# New Perspectives on Value Creation

A Study of the World's Top Performers

THE BOSTON CONSULTING GROUP

2000

New perspectives on value creation

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# Introduction

Will the Internet and other state-of-the-art technologies create a new economic order? No one knows. However, what we can say with a fair degree of certainty is that the spectacular rise and fall of various dot.com equities has put the spotlight on a fundamental question: 'How do you measure the true potential of a company – its ability to create and sustain value?' More crucially, 'How do CEOs generate additional value and ensure their business's true potential remains in line with market expectations?'

This report sheds important new light on these two questions. Based on a study of over 4,000 publicly quoted companies worldwide – one of the largest and most detailed surveys of its kind – it pinpoints the world's top value creators and provides fresh insights into the key drivers behind their success. In particular, we go beyond the capital-centric view of value creation and produce a deeper, more instructive analysis that holds important lessons for both 'old' and 'new' economy companies. Moreover, we assess the challenge businesses face in keeping their intrinsic performances in line with market expectations, an essential ingredient for sustained value creation.

Our report doesn't claim to have all the answers or to be definitive. Our thinking will evolve and circumstances will change. Nevertheless, we hope it will stimulate a rounder and more informed debate at a time when companies are under increasingly intense pressure to deliver greater shareholder value.

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# Executive summary

# Total shareholder return (TSR) – the rise in a company's share price plus dividends – increased markedly for the top performers between 1995 and 1999, compared with 1994-

**1998.** Annual average TSR for the top 100 rose from 38% to 45% per year between these two periods, while the top 10 nearly doubled their TSR to 116%. This high TSR performance contrasts starkly with the average TSR for all 4,125 companies analysed in the study – 9.4% a year, up from 6.3% in 1994-1998. Market corrections in the first half of 2000 have significantly reduced the rises in TSR for the top players but the rankings and trends for countries, sectors and companies remain broadly the same.

# The US dominated the top 100 rankings, extending its lead over Europe and a

**resurgent Asia.** American companies occupied more than half of the top 100 places by TSR and 75% of the top 20 slots. This was achieved mainly through growth rather than efficiency gains. Europe was the runner-up but its average TSR grew more slowly than the other two regions, including Asia, where TSR increased more than four-fold relative to 1994-1998. In Europe, France was the overall winner while Japan took pole position in Asia.

# Information technology and telecommunications (ITC) businesses spearheaded the surge in TSR, taking all top 10 places and pushing more 'traditional' companies down the ladder. The ITC sector knocked the pharmaceutical industry out of the number one spot with an average annual TSR of 42%. The biggest climber was the service sector, up eight places to sixth. Utilities was one of seven industries to under-perform the market average. Nevertheless, there were individual high achievers in all sectors, demonstrating that superior value creation is possible everywhere.

Strong improvements in the business fundamentals of the top 100 companies fuelled their stock market success but this explained only about half of their TSR on average. This difference between TSR and the change in fundamentals, which we call the 'expectation premium', varied between sectors but rose progressively each year for nearly all leading businesses. This does not necessarily imply they are over-valued. The scale of the premium generally mirrored the scale of the improvements in their business fundamentals, suggesting that investors rewarded companies with a track record of success. Furthermore, the average premium for all companies in the study was close to zero, indicating that the market as a whole was functioning efficiently.

# A new approach to internal value creation is required if businesses are to move forward and satisfy market expectations. The

traditional focus on physical capital is too limiting and sometimes misleading, especially for the new breed of ITC businesses. In many but not all cases, human resources (HR) and customer bases are companies' primary assets. To improve value creation, these businesses need to concentrate on different metrics, such as value-added per member of staff or per customer, not returns on capital. The Boston Consulting Group (BCG) has adapted its capitalbased methodology to accommodate each of these new variables in a meaningful and practical manner for CEOs. We call these HR and customer approaches Workonomics<sup>™</sup> and Custonomics<sup>™</sup> respectively. Together with our capital-based methodology, these form part of BCG's real asset value enhancer (RAVE™) set of tools. Similar tools are being developed for other value drivers.

Keeping your business' internal value creation in line with market expectations is a pre-requisite for long-term success. Failure to correct unrealistic expectation premiums can lead to a collapse in share price, departure of key staff and other problems. CEOs must understand the root of any unjustified premium, build a stretch agenda and communicate more openly with investors, amongst other options. Greater transparency and consistency in international accounting standards and disclosure rules are also required to help investors make valid intercompany comparisons. Tomorrow's top value creators are likely to be biased towards people-driven businesses and able to move easily into new 'unknown' fields.

Sustaining high levels of TSR isn't easy: only two companies managed to outperform their local markets continually over the last 10 years. Currently, the top value creators are increasingly dominated by people-oriented businesses. As share options become more common in staff compensation packages, this will place greater pressure on these companies to create and sustain high value if they are to attract and retain quality employees. Rising expectation premiums for the top 100 also suggest investors are placing a higher value on companies that have the flexibility to move into new, more profitable fields – the chameleon factor. There are two main ways to measure a company's ability to create value: from an 'external' perspective, focusing on the rise or fall in its share price over time; or from an 'internal' perspective, by analysing its business fundamentals. Both are likely to tell different but equally valid stories. The main difference is that the external view incorporates market expectations of a company's ability to generate additional value in the future. Whether these are reasonable is another issue which we address later.

## The external view – TSR

Total shareholder return (TSR) is widely accepted as the best yardstick of external value creation and the one we use to measure corporate performance. TSR can be simply defined as the percentage change in share price over a given time, incorporating any dividends (Exhibit 1).

TSR provides investors with a useful snapshot of value creation but it does not give them or CEOs any insights into the key drivers behind a business's fundamental performance. To do this, we need measures of internal value creation that are closely correlated with TSR.

#### The internal perspective – TBR and CVA

There are various schools of thought on the most effective way to measure internal value creation. The one that correlates most closely with TSR is BCG's Total Business Return (TBR) methodology, which calculates the percentage change in internal value and free cash flow. This is an important tool for quantifying the impact of business plans on TSR and setting targets, as well as benchmarking your fundamental performance against your competitors'. However, for the purposes of this report, we want to identify the specific levers CEOs must pull (and focus on in their business plans) to improve their intrinsic value. Two of the most popular ways to do this are the Cash Value Added (CVA) and Economic Value Added (EVA®)<sup>2</sup> methodologies.

BCG subscribes to the CVA methodology<sup>1</sup>, due to its strong correlation with stock market performance and because it eliminates accounting distortions, such as book keeping depreciation, that can arise in the EVA<sup>TM</sup> income-oriented model.

CVA, which is broadly a company's cash flow less a capital charge on cash invested, pinpoints three key value creation levers:

- Cash flow margin
- Asset productivity
- Growth



1 See appendices for a fuller description of CVA and how it relates to other internal value creation techniques such as TBR

2 EVA is a registered trademark of Stern Stewart & Co

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## Exhibit 2



CFROI = Real Return On Equity (RROE), GI = equity, CVA = Added Value On Equity (AVE). See appendices for definitions.

#### Exhibit 3



Exhibit 2 illustrates how these three levers can be changed to increase CVA. These examples relate specifically to companies where capital is the principal value driver but, as we shall demonstrate, this methodology can be altered to accommodate other drivers, such as staff and customers. The results are identical in terms of absolute CVA, but the management implications – the levers CEOs should pull – are different.

# The role of expectations: TSR versus business fundamentals

Market expectations play an important part in a company's value and, by inference, TSR. There are two reasons for this:

- A company's market value implicitly embodies expectations: it is the sum of the current value of operations and the expected growth in their value, based on existing business fundamentals<sup>1</sup>.
- In some cases, a company's market value will be greater or less than the value you would expect from its fundamentals. We call this difference the 'expectation premium'. Does a positive premium imply a company is overvalued and a negative one that it is undervalued? Not necessarily. There may be good reasons for this, which we address later in this report when we calculate expectation premiums for our top 100 performers (Exhibit 3).

<sup>1</sup> Logically, a company cannot grow for ever at above-market rates. Over time its growth rate and profitability will fade to an industry average due to competitive pressures. In BCG's expectation premium model, this is assumed to occur over 40 years. See page 54 in the appendices for further details about our model and assumptions.

# Why value creation is important

Companies often pay lip-service to value creation in public statements but few actively manage it. Part of the problem is confusion over how to define and control value, a difficulty we hope this report will help erase. A more deep-seated reason is a failure to grasp the broader implications of value creation for long-term success, beyond improvements in stock option prices.

Value creation provides a number of important, inter-twined benefits for businesses and their stakeholders:

Helps attract and retain key staff: A high and increasing proportion of the top performers in our study are people-driven businesses. With the growing popularity of equity related remuneration packages, it will become increasingly important for these and other companies to achieve sustained improvements in their value if they are to attract and keep the best staff. Success in this arena should also enhance job security and loyalty.

**Makes it easier to generate capital:** Companies with rising value generally find it easier to raise capital, enabling them to enhance their value further. In most sectors, our study reveals a strong link between investment growth and TSR.

Lowers the risk of a takeover: Value creation alone is not a guarantee against a takeover but the higher the value the lower the risk. It also places businesses in a stronger position to become predators, not prey, a potentially powerful asset in fragmented markets (Exhibit 4).

## Frees CEOs to take long-term strategic

**decisions:** If CEOs deliver the value investors expect, they will not face the constant short-term pressures to justify their existence, giving them the latitude to focus on longer-term issues.

# Assists companies in fulfilling their social

**responsibilities:** Businesses are under greater pressure to contribute positively to society. Higher value creation is one way to do this. It often leads to improved employment levels and higher tax revenues for governments, which can be used to improve education, health and other areas, all ultimately beneficial to businesses.





# The top market performers

In one of the longest-running bull markets in recent decades it is no surprise that the top 100 players increased their total TSR by an even greater margin in 1995-1999, compared with 1994-1998. What is striking is how the balance of power has shifted. Regionally, the US extended its lead while Asia closed in on a relatively sluggish Europe. More dramatically, IT and communications businesses snatched the number one industry slot and all the top 10 company positions. This reflected a general shift towards people-driven businesses.

## Virtually 'e-free'

Please note that our results have not been distorted by the sharp rise in e-commerce companies' share prices towards the end of the 1990s. Only three e-commerce companies satisfied the criteria required for inclusion in the main study. These include a minimum market capitalisation of \$20bn and a market listing of at least five years. Due to the strong interest in this sector, we have created a separate ecommerce ranking for 1998-99, which can be found at the end of this chapter.



#### Exhibit 6



## Total TSR rises to 45% per annum for top 100

Between 1995-1999, the gap between the winners and losers widened. TSR for the top  $100^{(1)}$  increased to 45% a year, against 38% for 1994-1998. The top 10 recorded the biggest rise: their TSR rocketed to 116% per annum, nearly double the figure for 1994-1998 and more than 10 times higher than the annual average for all the companies in the study (9.4%) (see Exhibits 5-6).

# US shows disproportionate share of top performers

For the period 1995-1999, the US pulled further away from other regions around the world, significantly increasing its TSR and taking more than half of the top 100 places and 80% of the top 10 spots, compared with 60% in 1994-1998.

Europe maintained its second place but it cannot afford to be complacent. Relative to 1994-1998, it lost nearly two thirds of its top 100 positions and three out of four of its top 10 spots, largely to the US but also to a resurgent Japan and the rest of Asia. This squeeze was accentuated by relatively sharp rises in TSR in Japan and Asia, enabling them to close the gap with Europe (Exhibits 7-8).

1 market capitalisation hurdle: US\$20bn

# France takes the lead in Europe, Japan excels in Asia

Performances in Europe were extremely variable. Country averages ranged from 31% in France, the clear leader, to 3% in Austria. Fewer than half of the 13 countries analysed exceeded the European average (21.5%) and most only marginally, underlining the region's reliance on a handful of top players (Exhibit 9).

Japan was the top performer in Asia with 16% annual average TSR for 1995-1999. Most other states in this region produced equally encouraging results, reflecting their recovery from Asia's economic crisis, but average TSR (4.7%) was held back by three countries: the Philippines, Malaysia and Thailand (Exhibit 10).

#### People-driven businesses lead the field

Industries that depend heavily on human skills were strongly favoured by the markets, possibly because of their ability to adapt more rapidly to new opportunities than asset-based businesses. Could these be the true 'new economy' industries?

Four out of the five industries that rose up the rankings fell into this category, including the two biggest climbers, the media and service sectors, up four and eight places respectively. Together with the IT and communications sector (ITC), the

Exhibit 9

# Exhibit 7

# Regional increases in top 100 TSR relative to last year



# Exhibit 8



Market capitalisation > US\$20bn; worldwide; ranked by TSR 1995-1999 p.a.
 263 companies; % by number of companies

(3) Asia excl. Japan

Source: Datastream, BCG analysis



#### Exhibit 10



# Exhibit 11

Sector rankings

| Change<br>from<br>ast year | Industry                      | Median 5 year TSR<br>p.a. in % | Median 5 year TSR<br>p.a. in % |
|----------------------------|-------------------------------|--------------------------------|--------------------------------|
| 1 🛧  🚺                     | IT and telecommunication      | ns (ITC) 42                    | 27                             |
| 2 🛧 🤇                      | lnsurance                     | 33                             | 23                             |
| 4 🛧 🤅                      | B) Media                      | 33                             | 20                             |
| 3♥ (4                      | Pharmaceuticals & health      | n care 32                      | 33                             |
| 2♥ (                       | 5 Retail                      | 29                             | 23                             |
| 8 🛧                        | Services                      | 27                             | 7                              |
| 2♥ (7                      | Banks                         | 26                             | 22                             |
| 0 → (8                     | B) Conglomerates              | 24                             | 15                             |
| 4 🔶 🧐                      | Industrial goods              | 19                             | 12                             |
| 1♥ ①                       | 0 Chemicals                   | 18                             | 14                             |
| 4♥ (1                      | 1) Consumer goods             | 18                             | 18                             |
| 2 🖌 🧃                      | 2 Travel, transportation & to | ourism 17                      | 14                             |
| 2♥ (1                      | 3 Automobiles & supply        | 15                             | 13                             |
| 2♥ (1                      | 4 Utilities                   | 10                             | 13                             |

#### Exhibit 12

## Top 10 company rankings

| Value C<br>TSR 1.1 | reator:<br>1995-3 | s Report 2000<br>31,12,1999 p.a. |      |                | Value C<br>TSR 1.1. | reators Repo<br>1994-31.12.1 | ort 1999<br>1998 p.a. |     |
|--------------------|-------------------|----------------------------------|------|----------------|---------------------|------------------------------|-----------------------|-----|
| CMGI               | US                | E-commerce                       | 213% | 1              | Dell                | USA                          | пс                    | 15  |
| Veritas            | US                | тс                               | 178% | 2              | AOL                 | USA                          | тс                    | 14  |
| AOL                | US                | E-commerce                       | 144% | 3              | SAP                 | Belgium                      | ITC                   | 9   |
| ) Dell             | US                | пс                               | 140% | 4              | Nokia               | France                       | ІТС                   | 79  |
| Qualcomm           | US                | ITC                              | 128% | 5              | H&M                 | Sweden                       | Retail                | 69  |
| Sun                | US                | тс                               | 104% | 6              | Microsoft           | USA                          | тс                    | 69  |
| Cisco              | US                | ІТС                              | 94%  | $\overline{0}$ | Cisco               | USA                          | ІТС                   | 67  |
| ) Nokia            | FN                | ІТС                              | 92%  | 8              | Aegon               | Netherlands                  | Insurance             | 66  |
| Softbank           | JP                | E-commerce                       | 86%  | 9              | Ch. Schwab          | USA                          | Banks                 | 6   |
| EMC Mass.          | US                | ITC                              | 82%  | 10             | Compuware           | USA                          | ΙТС                   | 64  |
|                    | _                 |                                  |      |                | •                   |                              |                       |     |
| = Newcomers        |                   |                                  |      |                | Sol                 | irce: Datasti                | eam BCG               | ana |

overall winner, these types of industries now occupy the top three positions. With the exception of the industrial goods sector, all other capital and R&D-focused industries have been pushed down the table.

The ITC and e-commerce sector was undoubtedly the star in the period 1995 to 1999 and not just because it occupies first place. Last year, it claimed seven of the 10 top company positions; this year it has achieved a clean sweep (see exhibits 11-12). This included six new entrants to the top 10. Furthermore, the combined TSR for these top 10 businesses is nearly twice as high as the 10 companies below them.

#### E-commerce: a special ranking

For reasons explained at the beginning of this chapter, most e-commerce companies were excluded from the main rankings. Here we analyse 10 of these companies<sup>1</sup> over two periods: 1998-1999, the 'honeymoon years', and 1998-June 2000, taking into account the turbulence they encountered with their investors in the first half of 2000 (Exhibit 13).

The honeymoon years were undoubtedly impressive. Between 1998 and 1999, TSR for these businesses ballooned to a staggering 278% on average, nearly twice as high as the ITC sector in the main rankings (1995-1999). More amazingly, the company at the bottom of the table, At Home, had a higher TSR than the top companies in nine out of 14 of the sectors in the main rankings. However, when we incorporate the market correction of the first half of 2000, average TSR for the e-commerce industry drops by more than half to 102% per annum.

## Exhibit 13

# Top 10 e-commerce companies: 1998-99 & Jan.-Sept. 2000

|    | Company                | Country | Market Value<br>(in US\$) <sup>(1)</sup> | TSR p.a. | TSR                  |
|----|------------------------|---------|--|----------|----------------------|
|    |                        |         | 31.12.99                                 | 98-99    | 01.01.00<br>30.09.00 |
| 1  | СМСІ                   | us      | 33.858                                   | 755,7%   | -79,8%               |
| 2  | SOFTBANK               | JP      | 104.552                                  | 438,9%   | -69,0%               |
| 3  | YAHOO!                 | us      | 113.266                                  | 399,9%   | -57,9%               |
| 4  | REALNETWORKS           | us      | 8.902                                    | 316,5%   | -33,9%               |
| 5  | AMAZON                 | us      | 25.798                                   | 289,4%   | -49,5%               |
| 6  | AMERICA ONLINE         | us      | 168.672                                  | 266,2%   | -29,2%               |
| 7  | LYCOS                  | us      | 7.626                                    | 177,4%   | <b>-</b> 13,6%       |
| 8  | LEVEL 3 COMMUNICATIONS | us      | 27.770                                   | 135,2%   | -5,8%                |
| 9  | E TRADE GROUP          | us      | 6.464                                    | 113,2%   | -37,1%               |
| 10 | AT HOME                | us      | 14.814                                   | 84,7%    | -67,1%               |

1 The selection criteria was that the business must have been listed by or before 1 January 1998.

# Key drivers behind these results (And some 'new' levers CEOs should pull to increase value creation)

An analysis of internal value creation, using the cash value added (CVA) methodology, reveals that investment growth played a pivotal role in the success of the top TSR performers. But how can they sustain or even beat these high TSR levels? And how can those lower in the table catch up? Traditionally this has been done by focusing on capital efficiency, but for a growing number of businesses, especially those in IT and communications, capital is not the key driver behind internal value creation. Instead they might depend on people, customers or a variety of other value engines. BCG has successfully reworked its CVA methodology to take these factors into account, putting the spotlight on the new levers CEOs must pull.

# Investment growth fuels the top TSR performances (1995-1999)

BCG's measure of internal value creation, the change in CVA, correlated positively with TSR for most of the companies in the sample, underlining its robustness as a proxy for external value creation. More crucially, it enables us to isolate the key drivers or 'levers' that CEOs pulled to achieve their respective TSR levels (Exhibit 14).

Using the traditional capital-based CVA methodology, we found that the most successful

companies focused on profitable growth in capital investment (i.e. above the cost of capital), rather than improving profitability through restructuring. However they were only able to do this because they had already achieved the necessary profitability above the cost of capital to make and sustain these investments. In the US and France, for example, the top 10 companies had higher levels of profitability (significantly above the cost of capital) than any of their counterparts in other countries. Not coincidentally, these two countries also had the highest average annual TSR.



## Exhibit 15

# Levers used by top 10 performers

| Top 10      | Average annual | Relative         | importance            |                            |
|-------------|----------------|------------------|-----------------------|----------------------------|
| performers  | TSR (95-99)    | Cash flow margin | Asset<br>productivity | Growth of capital invested |
| 1. CMGI     | 213%           | + + +            | -                     | + + +                      |
| 2. Veritas  | 178%           | +++              | + +                   | + + +                      |
| 3. AOL      | 144%           | ++               | + +                   | + + +                      |
| 4. Dell     | 140%           | + +              | + + +                 | + + +                      |
| 5. Qualcomm | 128%           | +                | + +                   | + + +                      |
| 6. Sun      | 104%           | + +              | +                     | + + +                      |
| 7. Cisco    | 94%            | -                | + +                   | + + +                      |
| 8. Nokia    | 92%            | ++               | + + +                 | + + +                      |
| 9. Softbank | 86%            | -                | + +                   | + + +                      |
| 10.EMCMass. | 82%            | -                | -                     | + + +                      |

Note: Scale of importance: + = low, + + = medium, + + + = high + = positive change, - = negative change

Source: Datastream, BCG analysis

# Key findings that underline the importance of investment growth include:

- All top 10 performers relied heavily on growth, sometimes according equal weight to cash flow margin and asset productivity (see Exhibit 15).
- 46% of the top 50 US companies, whose annual average TSR was 14 percentage points higher than their European counterparts, increased their capital investment by at least 30% a year on average between 1995 and 1999. Only 22% of the top 50 European companies did the same (see Exhibit 16). However, there are signs that Europe is achieving the productivity gains needed to generate the profits required for greater investments.

# A new perspective on internal value creation (the way forward)

Focusing on capital efficiency alone as a measure of internal value creation is too limiting and possibly misleading for today's growth businesses. In many cases, the top performers have relatively low capital intensity, indicating that their key value drivers lie elsewhere. IT and telecommunications companies, for instance, tend to rely on human resources (HR), as does the service sector, the biggest climber in our TSR ranking. E-commerce, meanwhile, generally depends on customer metrics. The capital model is still valid for many businesses but we

# Exhibit 17



## Exhibit 16 Top 50 performers



Exhibit 18



Exhibit 19



#### Exhibit 20



require more powerful tools to explain and guide the performances of companies driven by 'noncapital' factors.

BCG has successfully extended the CVA methodology to accommodate two types of these companies: HR- and customer-driven businesses. We call these new value management techniques, which form part of our Real Asset Value Enhancer (RAVE<sup>TM</sup>) set of tools, Workonomics<sup>TM</sup> and Custonomics<sup>™</sup> respectively (see Exhibit 17). The same principle could be applied to other value creation engines.

When used to analyse a company's internal value creation, both new methodologies - for HR and customers - produce identical levels and changes in CVA as their capital-based counterpart. The difference is that each uses different variables or 'levers' to explain changes in CVA. The advantage of disaggregating value creation this way is that it gives CEOs a wider and more precise set of levers to control value. This will help them create value more effectively and avoid misallocation of resources. Similarly, it will enable investors to focus on the fundamentals that truly determine performance (see Exhibits 18-20).

# Selecting the most appropriate methodologies for each company or business unit

The choice of methodology for each company is determined by the following criteria:

Capital approach: PC < WACC x GI HR approach: PC > WACC x GI Customer approach: MC > WACC x GI > PC

PC = personnel costs WACC = weighted average cost of capital GI = capital investment MC = marketing costs

In some cases, companies might use a combination of models, either for different business units or to take into account the balance of their operations.

#### How to increase value using each model

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CEOs can control internal value by pulling the three levers in the model that applies to their business. The exhibits opposite illustrate how this can be done. For instance, in the 'HR view' model, value added per person can be increased through typical HR measures like recruiting and development or price increases and reductions in material costs. Alternatively, a profitable increase in staff can be achieved by recruiting high-quality personnel, possibly measured by qualifications, and so on. The precise steps that companies take to influence each of their three levers will depend on their circumstances.

# Applying these models to three top performers

# Capital: Nokia surges forward with profitable growth in capital investment

Nokia demonstrates the importance of investment growth above the cost of capital and improved asset productivity. This led to a strong rise in CVA and, indirectly, higher TSR. It also vindicated the company's strategy of shifting from a conglomerate portfolio to a focused technology play (Exhibit 21).

# Human resources: Strong growth at SAP offsets loss in staff efficiency

A sharp increase in staff numbers in SAP's people-driven business helped boost internal value creation and TSR despite a loss in average staff efficiency: value added per person increased at a slower rate than average staff costs (Exhibit 22).

# Customers: Steep increase in customer numbers improves AOL's profitability

AOL pulled all the right levers: it doubled its customer base, increased value added per customer and reduced average customer costs, leading to a significant improvement in CVA (Exhibit 23).

## Exhibit 21



#### Exhibit 22



#### Exhibit 23



# The challenge of rising market expectations

Around half of annual average TSR for the top 100 companies between 1995 and 1999 could not be explained by their current business fundamentals alone. We call this surplus the 'expectation premium'. Interestingly, this premium rose progressively over this period for the top 100 companies, even when different assumptions are used to calculate it. In many cases, this increase could be justified by the track record of the companies' management teams and other non-financial indicators. But if the premium is unrealistic and allowed to persist, businesses could be punished by the markets, possibly leading to takeover bids, staff defections and other problems. We suggest various ways companies could avoid this pitfall.

# Expectation premiums are on the up and up for the top 100...

A company's expectation premium is the difference between its market value plus debt and its fundamental value, calculated using standard cash flow projections. The standard projections are based on the business's current profitability and historical growth fading over time towards longterm market average. As we discuss in more detail in the appendices (see page 53), the size of the premium depends on the assumptions and data used to calculate a company's fundamental value. Nevertheless, regardless of the assumptions and data employed, BCG found that the expectation premium for the top 100 businesses was not only significant, but also rose progressively each year.

This is demonstrated in Exhibit 24 where we show two different levels of the expectation premium between 1995 and 1999, based on cautious and optimistic assumptions for evaluating fundamentals. With cautious assumptions, the premium accounts for 73% on average over this period. With optimistic parameters, it accounts for 48% on average. In both cases the premium increases year-on-year.

Every sector experienced a rise in expectation premiums over this period, with the exception of the automotive sector. In eight out of the 13 sectors analysed, these premiums accounted for more than 50% of market value, using cautious assumptions (Exhibit 25-26). The scale of these premiums

#### Exhibit 24 Annual increase in expectation premiums for top 100 Evolution of expectation premium for the top 100 Evolution of expectation premium for the top 100 Total 700 Total 700 641 Value from value Value from index<sup>(1)</sup>600 ontals index<sup>®</sup>600 fundamentals funda Expectation Premium Expectation 500 500 Premium 400 400 376 300 300 200 131 200 100 100 0 0 1997 -100 1994 1995 1996 1997 1998 1999 1994 1995 1996 1998 1999 **Optimistic assumptions Cautious assumptions**

(1) Market value plus debt Source: Annual reports, BCG analysis



varied from sector to sector, with the IT and telecommunications sector the clear 'winner' with an 89% expectations premium gap, while the automotive sector had a negative premium of 5%. The e-commerce industry, which was analysed separately due to differences in the data available, produced the highest figure - 150% in 1999 alone.

### Possible explanations for this rise

An analysis of the top 100 revealed that companies with best improvements in their fundamentals tended to have the highest expectation premium. There appears to be an assumption that 'success breeds success', possibly due to the quality of the management team, powerful market positions and business models or other non-financial indicators. This could lead to investors embedding higher expectations in their assessment of these companies' fundamentals than the average business in the same industry.

Other possible reasons for the expectation premium include:

- an increase in demand for their shares, relative to their supply. This could have been partly fuelled by growing numbers of individual investors, especially in the ITC sector, which accounts for 40% of the top 100;
- capital markets may have started to reward companies that have the flexibility to move into new fields. This would be consistent with the upward trend of people-driven businesses and the slower growth of capital-based companies, such as utilities;
- the leading companies could be more sophisticated at communicating their potential to investors. Or more overzealous;
- the market has got it wrong, due to misinformation and incorrect assumptions. This is conceivable in the short-term;
- the data may have been biased by the sample size: the top 100 represent one tail of a distribution curve involving more than 4,000 companies. This

## Exhibit 26



might affect the scale of the premium but probably not its existence and growth over time.

# The dangers of unrealistic expectation premiums

Rising expectations should be encouraged if they reflect a company's true ability to generate additional value. This assumes investors have access to correct information about the business's plans and other issues that could affect its future performance, such as forthcoming regulatory developments. But if they are fed poor data or misunderstand the dynamics, leading to incorrect expectations, investors will ultimately punish the company, producing a lower stock price and heightened volatility (see Exhibit 27). Businesses that fall into this expectations trap are likely to suffer from:

- management changes, resulting in business discontinuity and threat to relationships with key customers;
- departure of key staff, especially if their remuneration has a high stock option component;
- difficulties raising capital;
- takeover bids.

#### Exhibit 27



#### Suggestions on how to avoid this trap

Understanding what drives market expectations and how to keep them within realistic bounds is still an inexact science and further research is undoubtedly required. Nevertheless, there are several ways that CEOs might be able to keep TSR in line with their business's true potential. There are also a number of 'external' steps that would enable investors to gauge expectations more accurately.

#### Solutions that might lie within the hands of CEOs

The starting point for every CEO is to establish the scale of the expectation premium, using existing business plans and internal valuation methodologies. Does the premium fairly reflect your business's true potential to generate additional value, taking into account your strategic plan, industry dynamics and other factors? If the answer is 'yes', no action is required. If you conclude that your company is under- or over-valued, you must understand why. Carry out an investor analysis. Once the problem has been identified there are various options, depending on whether your expectation premium is too high or too low (see Exhibit 28).

# Dealing with an unrealistically high expectation premium

- Build a 'stretch' agenda to improve fundamentals and raise business plan goals to reduce the gap with market expectations. This might include investing in new products, sales channels and other techniques. A high market value could be used to raise the necessary funds to achieve this. People-driven businesses are more likely to have the speed and flexibility to capitalise on these opportunities.
  - Make sure you hit your existing business plans: don't take your eye off the ball.
  - Communicate more regularly and openly with investors in order to align expectations of your future performance to a more reasonable level.

Investors should not be treated as a homogeneous group but as discrete segments, each with different objectives and perceptions. Understand these differences and tailor your messages accordingly. Companies repositioning themselves as growth or value stocks, for instance, should be particularly aware of the needs of their new audiences.

Use the 'surplus value' – the expectation premium – to acquire a company that will enhance your business fundamentals and create additional options for growth. This could become a common strategy for many e-commerce companies, mirroring AOL's merger with Time Warner.

# And if the premium is unjustifiably low or even negative?

- Focus on achieving agreed and realistic targets, build credibility through achieved performance.
- Introduce or improve stock option programmes and value-oriented bonuses to motivate staff to enhance performance (enabling them to gain from the company's under-valuation).
- Bolster your company's credibility in the market's eyes. This could involve actively managing your portfolio to focus your business on its valuecreating components. Demonstrate your willingness to change. Another possibility is to communicate your business's strengths more effectively, including your management team's credentials.
- In some instances delisting through a management or leveraged buy-out may be a viable option to close the gap. There is life outside the stock market.

#### A cautionary note on 'investor relations'

Advances in telecommunications, notably the Internet, have not only enabled investors and other stakeholders to have 24/7 access to information but have created the expectation of round-the-clock news. In US political circles, this development has been used to justify the concept that presidents are re-elected every day, not every four years: if they don't provide a daily diet of positive news, they will lose vital popular support.

While this view might hold true within the short horizons of politics, it is dangerous to transfer it to the corporate arena. Unless companies have something positive and significant to say they should not attempt to manage news flow or expectations on a frequent basis, a trend that has been evident in certain quarters. Be transparent and open to dialogue but do not attempt to massage expectations unrealistically through 'non-news'. The markets will quickly see through your strategy.

# External measures to improve transparency for investors

High-quality information on companies, which is comparable across regions and sectors, is critical for investors to formulate accurate expectations and make informed choices. Unfortunately, this information is often not available.

When BCG conducted its study, we were unable to establish accurate data on key value creation drivers, including value added per customer and per employee, for certain businesses, most notably in the e-commerce sector. Part of the problem is that these fundamentals are not always disclosed. Lack of agreement on definitions is another factor. What is a customer in e-commerce? A purchaser, a subscriber, a click-through? After what period of inactivity does a customer become an ex-customer?

Similarly there were reporting inconsistencies in different regions. In the US, for example, personnel and material costs are bundled together under the profit and loss accounts under the heading 'cost of goods sold'. In many other countries, they are separated. If personnel and other costs that control value cannot be explicitly measured and compared between businesses, investors will struggle to arrive at valid expectations.

#### Exhibit 28



To overcome these hurdles and ensure expectations reflect businesses' true value creation potential, we need:

- more transparent reporting of business fundamentals, including metrics for capital, personnel costs and customer acquisition costs;
- consistent international accounting standards that facilitate cross-border and cross-sector comparisons.

#### Can Amazon justify its expectation premium?

Like many e-commerce companies, Amazon's market value is due entirely to its expectation premium.

By the end of 1999, Amazon had around 20m customers and its value added per customer was US\$-13.9, while its average cost per customer was US\$12.39. This equates to a negative internal value of US\$-524m, based on the Custonomics<sup>™</sup> calculation below:

 $CVA = (VAC - ACC) \times C$ 

US\$ -524m = (US\$ -13.9 – US\$12.4) x 20m

Yet Amazon's market capitalisation at the end of 1999 stood at US\$26bn. In other words, expectations account for 100% of the company's market value. Once again, this does not necessarily

imply Amazon is over-valued, but it means the company will have to dramatically increase its customer base and value added per customer to justify these expectations.

Assuming current customer growth of 50% a year, fading out over 40 years, Amazon faces the following hurdles to realise its 1999 value.

- by 2004, its customer base must more than treble to 66m and it must cut its loss per customer from minus US\$26 to minus US\$2.
- by 2009, it must have 107m customers and a profitability for each of US\$10.
- by 2039, it must have 206m customers and the profitability for each of US\$29

Sustaining relatively high levels of value creation is very difficult, reflected in the fact that there are six new companies in this year's top 10 performers. Outperforming the market average every year is even harder to do: only two companies have managed to do this for more than 10 consecutive years. All this makes predicting tomorrow's top value creators a hazardous task. Although it would be foolhardy to predict individual companies, there are several long-term trends that point to the types of businesses that could occupy the leading positions in the years to come.

# Tomorrow's top performers will understand the importance of internal value creation and have a clear strategy and system for

managing this process. They will know the key drivers behind value creation for their particular business and not be deflected from focusing on these. There will be well-defined systems to track and manage these drivers. Perhaps there will even be key personnel responsible for optimising each lever, cutting across all functions?

# Growth, in addition to efficiency gains, will characterise the performances of most of the

**top players.** Regionally and by sector, growth is the undisputed engine for champion value creators. Nowhere is this more apparent than in the US and the ITC sector, a sector that America dominates. Restructuring is an important step towards achieving the necessary profitability to invest in new capital, better people and other growth drivers, depending on the business, but efficiency improvements alone are unlikely to produce outstanding results.

# People-driven businesses are likely to become more prevalent amongst the leaders.

This trend is already obvious, not only in the preponderance of ITC companies in the top 100 but through the rise of other sectors, such as media and services. These companies appear to offer a level of versatility and flexibility not enjoyed by more capital-intensive businesses. In an age when speed of response becomes more vital, facilitated by technology, and where market demands become more fragmented and fluid, especially consumer markets, this nimbleness could be an invaluable edge. **E-commerce companies might or might not be there. They are not a special case.** They will live or die by the same value creation requirements that affect other businesses. Based on their current market valuations relative to their internal values, many have a fairly daunting task ahead of them.

They will be open and transparent, effective at keeping expectations within realistic limits and led by CEOs with strong operational and communication skills. Until investors have access to regular, accurate information about all businesses' key value drivers and in a format that is easily compared, the top value creators will excel at communicating realistically with investors. They will appreciate how the electronic age has created new demands for transparency and news flow. They will understand the counterproductivity of unjustly inflating expectations. This, in turn, will flow from a broader sense of social responsibility towards individual investors, staff and their national and local communities. Value creation affects all stakeholders.

# There will be winners in all regions, all countries and all sectors. High value creation is possible everywhere. Value

creation is possible in every industry and every country – provided you pull the right levers. Between 1995 and 1999, nearly every sector had at least one company that outperformed every other sector's average rise in TSR, often by significant margins. Similarly, every country had at least one star player that exceeded the averages for all other countries.

# Consistently beating the market average isn't easy

A separate analysis of more than 2,500 companies (source: Datastream) indicates how hard it is to deliver sustained value creation. Only two of these companies managed to outperform their local market averages for 10 years in a row: Nokia and Serco<sup>1</sup>, the UK 'task' management company (see Exhibit 29).





(1) Analysis included a total of 2,598 companies (market cap >\_1US\$bn and listed for 10 years) Source: Datastream, BCG analysis

1 SERCO is an international task management contractor to governments and the commercial sector, providing comprehensive engineering and support services across a wide range of activities

# A checklist for CEOs

Measure corporate success by TSR. Failure to deliver this will adversely affect your company's long-term prospects.

Compare your valuation to business fundamentals to establish whether there is an expectation premium.

If the expectation premium is zero or positive and realistic, focus on your key internal value drivers to deliver the necessary TSR. These will differ depending on the type of business. For example, is your business driven by capital, people or customers? Or some other factor? Top value creators concentrate on investment in their key assets, such as capital or people, underpinned by profitability above the cost of these assets.

If the premium is unrealistic, understand the root of the problem. Analyse different investor segments to establish their relative perceptions and expectations.

If the premium is too high, build a stretch agenda, communicate more effectively and possibly use the surplus to acquire businesses that will help achieve TSR.

If the premium is too low, focus on a realistic agenda and communicate your strengths openly and effectively, highlighting management credibility.

Beating the market in the medium- to long-term is a Herculean task. Cultural change and incentive systems are critical.

Transparency and accurate, reliable data and signals are prerequisites for the market to hail your business as a top performer.

Learn from the experiences of other businesses, both within and outside your sector. Benchmark your performance and value drivers.

10

# Key tables

|  |  |  |  |   |                                      |  |                                     |              | F            | op 100 W            | orldwide                  | Performe                    | rs (1-25)                 |
|--|--|--|--|---|--------------------------------------|--|-------------------------------------|--------------|--------------|---------------------|---------------------------|-----------------------------|---------------------------|
|  |  |  |  | Market  |                                      |  | ∆CVA<br>fin Lic¢l <sup>(1,2</sup> ) | Value D      | riven By     | ũ                   | Relative Im               | portance of<br>Value Driver | ď                         |
| Rk Compan  | ž  | Country  | Industry   | (in US\$) <sup>(1)</sup><br>31.12.99                                | TSR p.a.<br>95-99                    | TSR<br>01.01.00 -<br>30.09.00  | 95-99                               | Expectations | Fundamentals | ∆CFROI <sup>®</sup> | ∆Cash-<br>Flow<br>Margin" | Asset (a) Productivity      | Gross<br>Invest<br>Growth |
| 1 CMGI   |  | NSA  | e-commerce   | 33,858  | 213.0%                               | -79.8%   | 86                                  | ‡            | ‡            | ++++++              | +<br>+<br>+               | I                           | +<br>+<br>+               |
| 2 VERITAS S  | OFTWARE  | NSA  | ITC  | 36,886  | 177.9%                               | 48.8%  | 231                                 | ‡            | ‡            | ++++++              | +<br>+<br>+               | ‡                           | +<br>+<br>+               |
| 3 AMERICA  | ONLINE   | NSA  | e-commerce   | 168,672   | 144.1%                               | -29.2%   | 280                                 | ++++         | +            | +++++               | ‡                         | +++++                       | +<br>+<br>+               |
| 4 DELL CON   | <b>APUTER</b>  | NSA  | ITC  | 130,094   | 140.0%                               | -39.6%   | 1,460                               | +++++        | +            | ++++                | ‡                         | ++++                        | ++++                      |
| 5 QUALCON  | ٩٨<br>١  | NSA  | ITC  | 115,579   | 127.9%                               | -59.5%   | 52                                  | +++++        | +            | +++++               | +                         | +++++                       | ‡<br>+<br>+               |
| 6 SUN MICE   | OSYSTEMS   | NSA  | ITC  | 121,163   | 103.5%                               | 50.8%  | 645                                 | +<br>+<br>+  | +            | +                   | ‡                         | +                           | +<br>+<br>+               |
| 7 CISCO SV.  | STEMS  | NSA  | ITC  | 364,454   | 93.9%                                | 3.2%   | 1,445                               | +<br>+<br>+  | +            | ı                   | ı                         | ‡                           | +<br>+<br>+               |
| 8 NOKIA  |  | Finland  | ITC  | 206,325   | 92.1%                                | 2.4%   | 2,146                               | +<br>+<br>+  | +            | +<br>+<br>+         | ‡                         | +<br>+<br>+                 | +<br>+<br>+               |
| 9 SOFTBAN  | ¥  | Japan  | e-commerce   | 104,552   | 86.4%                                | -69.0%   | -1,881                              | +++++        | ı            |                     |                           | ı                           | +<br>+<br>+               |
| 10 EMC COR   | PORATION   | NSA  | ITC  | 111,816   | 81.9%                                | 81.5%  | 539                                 | +<br>+<br>+  | +            |                     |                           |                             | +++++                     |
| 11 HENNES 8  | & MAURITZ  | Sweden   | retail   | 24,235  | 73.8%                                | -31.9%   | 224                                 | +++++        | +            | ++++                | ‡                         | +++++                       | ‡<br>+<br>+               |
| 12 MICROSO   | FT   | NSA  | ITC  | 599,073   | 72.5%                                | -48.3%   | 5,893                               | +<br>+<br>+  | +            | ++++                | +++++                     | ++++                        | +++++                     |
| 13 CHARLES   | SCHWAB   | NSA  | banks  | 31,189  | 72.3%                                | 39.4%  | 260                                 | +++++        | +            | ı                   | MZ                        | WN                          | +<br>+<br>+               |
| 14 CLEAR CH  | HANNEL COM   | NSA  | media  | 30,043  | 69.7%                                | -36.7%   | 543                                 | +            | +++++        | +                   | +<br>+<br>+               |                             | +<br>+<br>+               |
| 15 SOLECTR   | NC   | NSA  | ITC  | 27,712  | 69.1%                                | -3.0%  | -27                                 | +++++        | +            | ı                   | ı                         | ı                           | +<br>+<br>+               |
| 16 SAP   |  | Germany  | ITC  | 55,724  | 68.7%                                | 34.1%  | 310                                 | +<br>+<br>+  | +            | ++                  |                           | +<br>+<br>+                 | +<br>+<br>+               |
| 17 GATEWAY   |  | NSA  | ITC  | 22,683  | 67.9%                                | -35.1%   | 196                                 | +++++        | +            |                     | ‡                         | ı                           | +<br>+<br>+               |
| 18 NORTEL N  | <b>IETWORKS</b>                                      | Canada   | ITC  | 136,264   | 66.9%                                | 24.0%  | -680                                | +++++        | +            |                     | ÷                         | ‡                           | +++++                     |
| 19 ORACLE  |  | NSA  | ITC  | 158,651   | 66.7%                                | 40.5%  | 3,786                               | +++++        | +            | +++++               | +<br>+<br>+               | +++++                       | +<br>+<br>+               |
| 20 APPLIED N   | AATS.  | NSA  | ITC  | 47,673  | 64.4%                                | -6.4%  | 165                                 | +<br>+<br>+  | +            |                     | ‡                         |                             | +<br>+<br>+               |
| 21 ERICSSON  | 7  | Sweden   | ITC  | 124,929   | 63.6%                                | 7.4%   | 839                                 | +++++        | +            | +++++               | +                         | ‡                           | +<br>+<br>+               |
| 22 MANNESN   | ANN  | Germany  | conglomerates  | 117,723   | 63.5%                                | -31.4%   | 2,022                               | +++++        | +            | +                   | ‡                         | +                           | ‡                         |
| 23 SK TELEO  | MO   | Korea  | ITC  | 29,796  | 63.4%                                | -32.5%   | -173                                | +<br>+<br>+  | +            | ı                   | ı                         | I                           | +<br>+<br>+               |
| 24 ADVANTES  | ST   | Japan  | ITC  | 26,193  | 61.2%                                | -37.0%   | 190                                 | +++++        | +            | ‡                   | +<br>+<br>+               | +                           | ‡                         |
| 25 AEGON   |  | NL   | insurance & assurance  | 63,911  | 60.7%                                | -9.5%  | 157                                 | +<br>+<br>+  | +            | ı                   | ΣZ                        | MN                          | +<br>+<br>+               |
| NM: Not Meaningfu<br>(1) In Million<br>(2) CVA1989 - CVA1984<br>(3) CFROH689 - CFR | л<br>(4) Сає<br>(5) Ass<br>О <sup>1894</sup> (6) Gro | sh Flow Margini∝<br>set Productivityi∞<br>iss Investmenti∞ | a - Cash Flow Marginaaa<br>a - Asset Productivity,aaa<br>a / Gross Investmentaaa | For banks and ir<br>CVA<br>DCVA<br>Gross Investmen<br>CFROI<br>WACC | surance compa<br>=><br>=><br>t<br>=> | nies the following expression<br>AVE<br>DAVE<br>Equity<br>RROE<br>Cost of Equity | is need to be replace               | ÷            |              |                     |                           |                             |                           |

# Top 100 Worldwide Performers (1-25)

| (26-50)    |
|------------|
| Performers |
| Worldwide  |
| 001 0      |
| Ę          |

|  |   |  |   | Market<br>Value   |   |  | ∆CVA<br>(in US\$) <sup>(1,2</sup> | Value Dr                                | iven By      | - 5                 | Relative Imp<br>Indamental V            | vortance of<br>Value Driver: | (0                         |
|--|---|--|---|---|---|--|-----------------------------------|---|--------------|---------------------|---|------------------------------|----------------------------|
| ВĶ   | Company   | Country  | Industry  | (in US\$) <sup>(1,2</sup><br>34.42,000                                | TSR p.a.  | TSR<br>01.01.00 -                                |                                   | Expectations                            | Fundamentals | ∆CFROI <sup>®</sup> | ∆Cash-<br>Flow<br>Mardin <sup>(4)</sup> | $\Delta Asset$ Broductivity  | Gross<br>Invest<br>Growth® |
| 26   | TEXAS INSTRUMENTS   | USA  | Ð   | 75,492  | 60.7%   | -2.2%  | 686                               | +<br>+<br>+                             | ÷            | +++++               | 0 +<br>+<br>+                           |                              | ŧ                          |
| 27   | GAP   | NSA  | retail  | 38,923  | 60.2%   | -56.2%   | 750                               | ‡                                       | ŧ            | ‡                   | +                                       | +                            | +<br>+<br>+                |
| 28   | MATSUSHITA*   | Japan  | ITC   | 49,433  | 60.0%   | -45.8%   | 291                               | +++++++++++++++++++++++++++++++++++++++ | +            | +++++               | ‡                                       | +++++                        | ı                          |
| 29   | INTEL   | NSA  | ITC   | 273,472   | 59.8%   | 1.1%   | 3,766                             | +<br>+<br>+                             | +            | ‡                   | ‡                                       |                              | +<br>+<br>+                |
| 30   | ROHM  | Japan  | ITC   | 49,081  | 59.4%   | -30.5%   | 468                               | ++++++                                  | +            | ++++                | +++++                                   | +                            | ‡                          |
| 31   | PINAULT PRINT.  | France   | retail  | 31,069  | 58.4%   | -23.0%   | 560                               | +++++                                   | +            | ‡                   | ‡                                       | +                            | ‡                          |
| 32   | TELEFONICA  | Spain  | ITC   | 80,692  | 56.8%   | -9.5%  | 3,425                             | +                                       | ++++         | +                   | ı                                       | +                            | ‡                          |
| 33   | TAIWAN SEMICONDUCT  | rOR Taiwan   | industrial goods  | 40,653  | 56.1%   | -20.3%   | 403                               | ‡                                       | ‡            |                     |   |                              | ++<br>++                   |
| 34   | TELLABS   | USA  | ITC   | 25,677  | 55.9%   | -25.6%   | 273                               | ++++                                    | +            | +                   | +                                       | ı                            | ‡<br>+<br>+                |
| 35   | MGST DEAN WITTER  | NSA  | banks   | 79,063  | 55.2%   | 29.1%  | 2,860                             | ‡                                       | ‡            | +++++               | MN                                      | MN                           | +<br>+<br>+                |
| 36   | AMGEN   | USA  | pharma & health care  | 61,013  | 52.1%   | 16.3%  | 675                               | ++++++                                  | +            | ++++                | +++++                                   | ı                            | ‡<br>+<br>+                |
| 37   | SPRINT  | NSA  | ITC   | 52,559  | 51.9%   | -56.1%   | 705                               | ‡                                       | ‡            | +                   | ‡                                       |                              | ‡                          |
| 38   | VODAFONE AIRTOUCH   | NU   | ITC   | 153,470   | 50.9%   | -17.5%   | 567                               | +++++                                   | +            |                     | ı                                       | +                            | ‡<br>+<br>+                |
| 39   | BBVA  | Spain  | banks   | 29,795  | 48.7%   | 22.7%  | 1,116                             | ŧ                                       | ‡            | ++++                | MN                                      | MN                           | ++++                       |
| 40   | KPN   | NL   | ITC   | 46,222  | 48.6%   | -48.8%   | 687                               | +++++                                   |              | ++++                | ı                                       | +                            |                            |
| 41   | TYCO INTERNATIONAL  | NSA  | industrial goods  | 65,931  | 47.6%   | 33.1%  | 1,878                             |   | +++++        | ‡                   | ‡                                       |                              | +<br>+<br>+                |
| 42   | WARNER LAMBERT  | USA  | pharma & healthcare   | 69,964  | 47.4%   | 59.1%  | 970                               | ++++                                    | +            | ++++                | +                                       | +++                          | ‡                          |
| 43   | HOME DEPOT  | NSA  | retail  | 157,405   | 46.9%   | -22.6%   | 1,274                             | ++++                                    | +            | ‡                   | +                                       | +                            | ++++                       |
| 44   | TELECOM ITALIA  | Italy  | ITC   | 86,435  | 46.5%   | -12.1%   | 4,783                             | +                                       | ++++         | +                   | ‡                                       | +                            | +                          |
| 45   | WAL-MART STORES   | NSA  | retail  | 306,148   | 46.4%   | -30.1%   | 3,200                             | +++++                                   | +            | +                   | ı                                       | ‡                            | +<br>+<br>+                |
| 46   | BCE   | Canada   | ITC   | 57,741  | 46.2%   | 10.6%  | -2                                | +<br>+<br>+                             | +            | ·                   | ‡                                       | ı                            |                            |
| 47   | TARGET (DAYTON-HUDS   | ION) USA   | retail  | 31,999  | 46.2%   | -29.9%   | 868                               | ‡                                       | ‡            | ‡                   | +                                       | ‡                            | ‡                          |
| 48   | GENERAL ELECTRIC  | NSA  | conglomerates   | 504,388   | 46.1%   | 12.8%  | 6,383                             | +<br>+<br>+                             | +            | +                   | +                                       | +                            | ‡                          |
| 49   | COMCAST SPECIAL   | NSA  | media   | 35,953  | 45.7%   | -19.0%   | 06-                               | +++++                                   | +            |                     |   | +                            | +<br>+<br>+                |
| 50   | MURATA MANUFACTUR   | ING Japan  | industrial goods  | 56,120  | 45.0%   | -37.6%   | 68                                | +<br>+<br>+                             | +            | ·                   | +                                       | ı                            | ‡                          |
| *: Peric<br>NM: Nr<br>(1) In N<br>(2) CVA<br>(3) CFF | od analysed: 1995-1998<br>tot Meaningful (4)<br>Aillion (5)<br>Anao - CYAnos (5)<br>ROIsso - CFROIsso | Cash Flow Margin<br>Asset Productivity<br>Gross Investment | <ol> <li>Cash Flow Margin 44</li> <li>Asset Productivity 44</li> <li>Arces Investment 44</li> </ol> | For banks and ins<br>CVA<br>DCVA<br>Gross Investment<br>CFROI<br>WACC | urance companies th<br>=> AVE<br>=> DAVE<br>=> Equity<br>=> RROE<br>=> Cost | e following expressions<br><i>i</i><br>of Equity | need to be replaced:              |   |              |                     |   |                              |                            |

# Top 100 Worldwide Performers (26-50)

|                                   |   |  |   | Market  |  |  | ∆CVA                      | Value D      | riven By     |                             | <b>Relative Im</b>        | portance of                |  |
|-----------------------------------|---|--|---|---|--|--|---------------------------|--------------|--------------|-----------------------------|---------------------------|----------------------------|--|
|                                   |   |  |   | Value   |  |  | (in US\$) <sup>(1.2</sup> |              |              | ц,                          | undamental                | Value Driver               | s                                      |
| ž                                 | Company   | Country  | Industry  | (in US\$) <sup>"</sup><br>31.12.99                                  | TSR p.a.<br>95-99                                    | TSR<br>01.01.00 -<br>30.09.00  | 95-99                     | Expectations | Fundamentals | ∆ <b>CFROI</b> <sup>®</sup> | ∆Cash-<br>Flow<br>Margin" | ∆Asset (9)<br>Productivity | Gross<br>Invest<br>Growth <sup>r</sup> |
| 51                                | MBNA CORP.  | NSA  | banks   | 21,727  | 44.9%  | 42.5%  | 459                       | ++           | ‡            | I                           | WN                        | MN                         | +<br>+<br>+                            |
| 52                                | PHILIPS ELECTRONIC  | NL   | ITC   | 45,648  | 43.9%  | 44.9%  | 426                       | ++++++       | +            |                             | +                         |                            | ‡                                      |
| 53                                | IBM   | NSA  | ITC   | 193,372   | 43.7%  | 4.6%   | 4,086                     | ++++++       | +            | ++++                        | +                         | ++++                       | ·                                      |
| 54                                | UNICREDITO ITALIANO   | Italy  | banks   | 24,110  | 43.6%  | 24.5%  | 1,154                     | +            | +++++        | ++++++                      | MN                        | MN                         | +<br>+<br>+                            |
| 55                                | BANK OF NEW YORK  | NSA  | banks   | 29,292  | 43.6%  | 41.8%  | 988                       | ‡            | ‡            | ++++                        | MN                        | MZ                         | +                                      |
| 56                                | AMERICAN EXPRESS  | NSA  | banks   | 74,011  | 43.3%  | 10.1%  | 296                       | +++++        | +            | ‡                           | MN                        | MN                         | ‡                                      |
| 57                                | MARCONI   | N<br>N   | ITC   | 47,988  | 42.8%  | -15.2%   | 140                       | +++++        | ı            | +++++                       | ı                         | +++++                      | ı                                      |
| 58                                | WALGREEN  | NSA  | retail  | 29,237  | 41.3%  | 30.1%  | 349                       | ‡            | ‡            | +                           | +                         | +                          | +<br>+<br>+                            |
| 59                                | CORNING   | NSA  | conglomerates   | 31,386  | 41.2%  | 130.9%   | 128                       | ++++         | +            | +                           | +++++                     | ı                          | +                                      |
| 60                                | FIFTH THIRD BANCORP.  | NSA  | banks   | 22,525  | 41.1%  | -11.4%   | 195                       | +++++        | +            |                             | MN                        | MN                         | +<br>+<br>+                            |
| 61                                | BRITISH TELECOM.  | ND   | ITC   | 158,324   | 41.0%  | -52.2%   | 4,012                     | +++++        | +            | +++++                       | +                         | +                          | ı                                      |
| 62                                | L'OREAL   | France   | consumer goods  | 53,698  | 40.9%  | -11.1%   | 298                       | +++++        | +            | +                           |                           | ‡                          | +                                      |
| 63                                | SONY  | Japan  | ITC   | 121,945   | 40.9%  | -27.5%   | 688                       | ++++++       | +            | +                           | +                         | ‡                          | +                                      |
| 64                                | FORTIS B  | Belgium  | insurance & assurance   | 25,634  | 40.3%  | -0.8%  | 644                       | +            | ++++         | +                           | MN                        | MN                         | +<br>+<br>+                            |
| 65                                | CBS.  | NSA  | media   | 48,474  | 40.2%  | -8.1%  | 515                       | ++++++       | ı            | +++++                       | ‡                         | +<br>+<br>+                | ı                                      |
| 99                                | PFIZER  | NSA  | pharma & healthcare   | 124,874   | 40.0%  | 39.5%  | 1,913                     | +<br>+<br>+  | +            | ‡                           | ‡                         | +                          | +<br>+<br>+                            |
| 67                                | MEDTRONIC   | NSA  | pharma & healthcare   | 43,278  | 39.9%  | 42.6%  | 606                       | ‡            | ‡            | +++++                       | +                         | +                          | +<br>+<br>+                            |
| 68                                | CARREFOUR   | France   | retail  | 62,536  | 39.1%  | -7.7%  | 510                       | ‡            | ‡            |                             | +                         |                            | +<br>+<br>+                            |
| 69                                | TOKYO ELECTRON  | Japan  | retail  | 23,857  | 38.5%  | -29.9%   | 175                       | +++++        | +            | +                           | ‡                         | ‡                          | ‡                                      |
| 70                                | MERRILL LYNCH   | NSA  | banks   | 30,377  | 38.2%  | 59.8%  | 946                       | +            | +++++        | ‡                           | MN                        | MN                         | +<br>+<br>+                            |
| 71                                | SEVEN-ELEVEN JAPAN  | Japan  | retail  | 131,295   | 38.1%  | -61.1%   | 247                       | +++++        | +            |                             | ı                         |                            | ‡                                      |
| 72                                | UNITED MICRO ELECTR.  | Taiwan   | ITC   | 32,065  | 38.0%  | -28.2%   | -1                        | ++++++       | +            |                             |                           |                            | +<br>+<br>+                            |
| 73                                | BRISTOL MYERS SQUIBB  | NSA  | pharma & healthcare   | 126,618   | 37.9%  | -9.9%  | 2,068                     | ++++++       | +            | +<br>+<br>+                 | ‡                         | +                          | +                                      |
| 74                                | SCHERING-PLOUGH   | NSA  | pharma & healthcare   | 61,905  | 37.9%  | 10.8%  | 1,021                     | ‡            | ‡            | +                           | ‡                         | +                          | +<br>+<br>+                            |
| 75                                | CHASE MANHATTAN   | NSA  | banks   | 63,718  | 37.6%  | -9.2%  | 2,783                     | ‡            | ‡            | +<br>+<br>+                 | MZ                        | MZ                         | ‡                                      |
| (1) II<br>(2) C<br>(3) C<br>(3) C | Not Meaningful (4) Cas<br>1 Million (4) Cas<br>1 Marano - CVAnox (5) Assi<br>FROInos - CFROInox (6) Gro | sh Flow Margin<br>tet Productivity<br>sis Investment | 20 - Cash Flow Margin 1994<br>20 - Asset Productivity, 1994<br>20 - Gross Investment 1994 | For banks and ir<br>CVA<br>DCVA<br>Gross Investmen<br>CFROI<br>WACC | surrance companie:<br>AA AV<br>= AD<br>DA<br>tt = CC | s the following expression:<br>RE<br>VVE<br>July<br>COE<br>Set of Equity | s need to be replaced     |              |              |                             |                           |                            |  |

# Top 100 Worldwide Performers (51-75)

Top 100 Worldwide Performers (51-75)

| (76-100)   |  |
|------------|--|
| Performers |  |
| Worldwide  |  |
| 100        |  |
| Top        |  |

|  |   |  |  | Market<br>Value   |   |   | ∆CVA<br>(in US\$) <sup>(1,2</sup> | Value Dr     | ven By       | E       | Relative Imp<br>Indamental | oortance of<br>Value Driver:          | <i>v</i> o                             |
|--|---|--|--|---|---|---|-----------------------------------|--------------|--------------|---------|----------------------------|---------------------------------------|--|
| ž  | Company   | Country  | Industry   | (in US\$)⁰<br>31.12.99  | TSR p.a.<br>95-99   | TSR<br>01.01.00 -<br>30.09.00                   | 95-99                             | Expectations | Fundamentals | ∆CFROI® | ∆Cash-<br>Flow<br>Margin"  | ∆Asset <sub>(s)</sub><br>Productivity | Gross<br>Invest<br>Growth <sup>®</sup> |
| 76 C   | OMPUTER ASSOC.  | NSA  | ITC  | 37,488  | 37.5%   | -64.0%  | 870                               | +            | ++           | ı       | +                          | ı                                     | +<br>+<br>+                            |
| 77 FI  | UJITSU  | Japan  | ITC  | 88,203  | 36.9%   | -45.9%  | 5,125                             | +++++        |              | +++++   | ‡                          | +<br>+<br>+                           |  |
| 78 H   | IEWLETT-PACKARD   | NSA  | ITC  | 115,265   | 36.7%   | 7.9%  | 969                               | +<br>+<br>+  | +            | +       | +                          | +                                     | ‡                                      |
| 79 C   | ARNNAL  | NSA  | Ш  | 29,180  | 36.6%   | -47.8%  | 473                               | ‡            | ‡            | +       | ‡                          |                                       | +++++                                  |
| 80 A.  | MERICAN INTL. GROUP   | NSA  | insurance & assurance  | 166,470   | 36.4%   | 32.9%   | 1,474                             | ++++++       | +            | ++      | MZ                         | MZ                                    | +<br>+<br>+                            |
| 81 P   | RUDENTIAL   | N  | insurance & assurance  | 38,309  | 36.1%   | -22.2%  | 351                               | ‡            | ‡            |         | MN                         | MN                                    | +<br>+<br>+                            |
| 82 IN  | IG GROEP  | NL   | banks  | 57,781  | 36.1%   | 28.0%   | 1,502                             | I            | +++++        | +       | MZ                         | MZ                                    | +<br>+<br>+                            |
| 83 S.  | AMSUNG ELECTRONICS  | Korea  | ITC  | 35,004  | 36.0%   | -23.5%  | 2,308                             |              | +++          | +       |                            | +                                     | +++++                                  |
| 84 U   | INITED TECHNOLOGIES   | NSA  | conglomerates  | 30,945  | 35.2%   | 7.6%  | 980                               | +<br>+<br>+  | +            | ++      | +                          | +                                     |  |
| 85 C   | OLGATE-PALMOLIVE  | NSA  | consumer goods   | 37,657  | 35.1%   | -26.8%  | 486                               | +++++        | +            | +       | ‡                          |                                       | +                                      |
| 86 U   | IS.WEST   | NSA  | ITC  | 36,179  | 34.8%   | 21.0%   | 838                               | +            | +++++        | +       | ı                          | +                                     | +                                      |
| 87 EI  | רו רורדא  | USA  | pharma & healthcare  | 72,115  | 34.8%   | 23.3%   | 1,417                             | ‡            | ‡            | +       | ‡                          | +                                     | ‡                                      |
| 88<br>88   | WISS RE   | Switzerland  | insurance & assurance  | 29,951  | 34.7%   | 2.4%  | 841                               | ‡            | ‡            | +       | MZ                         | MN                                    | +<br>+<br>+                            |
| 89 TA  | AKEDA CHEM INDS.  | Japan  | pharma & healthcare  | 43,699  | 34.2%   | 42.1%   | 1,050                             | ++++         | +            | ++++    | +++++                      | +<br>+<br>+                           | ,                                      |
| 90 A.  | XA  | France   | insurance & assurance  | 48,788  | 34.0%   | 10.7%   | 902                               | ‡            | +            | +       | MZ                         | MZ                                    | +<br>+<br>+                            |
| 91 A.  | BN AMRO   | NL   | banks  | 36,274  | 34.0%   | 10.5%   | 1,401                             | ‡            | ‡            | ++++    | MN                         | MN                                    | ‡                                      |
| 92 LV  | HMV   | France   | consumer goods   | 43,434  | 33.9%   | -3.0%   | 42                                | ++++++       | +            |         |                            | +                                     | +<br>+<br>+                            |
| 93 TI  | IME WARNER  | USA  | media  | 84,805  | 33.6%   | 8.4%  | 968                               | ‡            | ‡            |         | ‡                          |                                       | +<br>+<br>+                            |
| 94 N.  | 1ARSH & MCLENNAN  | NSA  | insurance & assurance  | 25,387  | 33.4%   | 40.7%   | 128                               | +<br>+<br>+  | +            | ı       | MZ                         | MN                                    | +<br>+<br>+                            |
| 95 B.  | I, SKY B.   | UK   | media  | 27,681  | 32.9%   | 4.5%  | 10                                | +++++        | +            |         |                            | +++++                                 |  |
| Н 96   | IUTCHISON WHAMPOA   | Hong Kong  | conglomerates  | 56,036  | 32.7%   | 1.8%  | 2,215                             | +<br>+<br>+  | +            | ++++    | ı                          | +                                     | +                                      |
| 97 S.  | IEMENS  | Germany  | conglomerates  | 74,911  | 32.7%   | 16.0%   | 1,385                             | ‡            | ‡            | +       | +                          | +                                     | ‡                                      |
| 98<br>B  | JELLSOUTH   | NSA  | ITC  | 87,625  | 32.2%   | -12.9%  | 2,133                             | +            | ‡            | +       | +                          | +                                     | ‡                                      |
| 99 S   | MITHKLINE BEECHAM   | UK   | pharma & healthcare  | 71,359  | 31.8%   | 19.0%   | 1,152                             | ++++         | +            | ++      | ‡                          |                                       | ‡                                      |
| 100 Z  | URICH ALLIED  | Switzerland  | insurance & assurance  | 27,436  | 31.3%   | -10.2%  | 867                               | +            | ++++         | ++++    | MZ                         | M<br>N                                | +<br>+<br>+                            |
| NM: Not<br>(1) In Milli<br>(2) CVA:<br>(3) CFRO. | Meaningful (4) Cast<br>ion (4) Cast<br>a - CVAnase (5) Asse<br>thas - CFROInase (5) Gross | n Flow Margin.∝<br>tt Productivity.∞<br>s Investment.∞ | <ul> <li>a - Cash Flow Marginae</li> <li>Asset Productivity.ast</li> <li>Gross Investment.ost</li> </ul> | For banks and ins<br>CVA<br>DCVA<br>Gross Investment<br>CFROI<br>WACC | urance companies th<br>AVE<br>AVE<br>AVE<br>AVE<br>AVE<br>AVE<br>AVE<br>AVE | he following expressions<br>E<br>E<br>of Equity | need to be replaced:              |              |              |         |                            |                                       |  |

|                                       |  |  |   |  |   |  |                                   |   | -            | Top 100 E                               | uropean                               | Performe                     | rs (1-25)                              |
|---------------------------------------|--|--|---|--|---|--|-----------------------------------|---|--------------|---|---------------------------------------|------------------------------|--|
|                                       |  |  |   | Market<br>Value                                |   |  | ∆CVA<br>(in US\$) <sup>(1,2</sup> | Value Di                                | riven By     | ű                                       | Relative Im                           | portance of<br>Value Drivers | ő                                      |
| Ъ                                     | Company  | Country  | Industry  | (in US\$)"<br>31.12.99                         | TSR p.a.<br>95-99                                       | TSR<br>01.01.00 -<br>30.09.00          | 95-99                             | Expectations                            | Fundamentals | ∆CFR01 <sup>®</sup>                     | ∆Cash-<br>Flow<br>Margin <sup>⊛</sup> | ∆Asset (9)<br>Productivity   | Gross<br>Invest<br>Growth <sup>®</sup> |
| -                                     | THE SAGE GROUP   | ¥  | ШC  | 14,825   | 125.4%  | -33.3%                                 | 77                                | +<br>+<br>+                             | +            | +<br>+<br>+                             | ·                                     | +<br>+<br>+                  | +<br>+<br>+                            |
| ~                                     | LOGICA   | ¥0   | ПС  | 10,223   | 92.8%   | 39.4%                                  | 20                                | +<br>+<br>+                             | +            | +++++                                   | ‡                                     | ++++++                       |  |
| ო                                     | NOKIA  | Finland  | ПС  | 206,325  | 92.1%   | 2.4%                                   | 2,146                             | +++++                                   | +            | ++++                                    | ‡                                     | ++<br>++<br>+                | ‡<br>+<br>+                            |
| 4                                     | BIPOP CARIRE   | Italy  | banks   | 14,157   | 87.1%   | 16.7%                                  | 180                               | ‡                                       | ‡            | ++++                                    | MN                                    | MN                           | +++++                                  |
| Ŋ                                     | H&M  | Sweden   | retail  | 24,235   | 73.8%   | -31.9%                                 | 224                               | +<br>+<br>+                             | +            | +<br>+<br>+                             | ‡                                     | ++++                         | +<br>+<br>+                            |
| 9                                     | SAP  | Germany  | ПС  | 55,724   | 68.7%   | 39.8%                                  | 310                               | ++++                                    | +            | ++++                                    |                                       | +++++                        | ++++                                   |
| 7                                     | BANCA FIDEURAM   | Italy  | banks   | 10,663   | 68.6%   | 60.6%                                  | 119                               | +++++                                   | +            | +++++++++++++++++++++++++++++++++++++++ | WN                                    | MN                           | +<br>+<br>+                            |
| 8                                     | ERICSSON   | Sweden   | ПС  | 124,929  | 63.6%   | 7.4%                                   | 839                               | +++++                                   | +            | ++++                                    | +                                     | ‡                            | +++++                                  |
| თ                                     | MANNESMANN   | Germany  | conglomerates   | 117,723  | 63.5%   | -31.4%                                 | 2,022                             | +<br>+<br>+                             | +            | ++++                                    | ‡                                     | +                            | ‡                                      |
| 10                                    | AEGON  | R  | insurance & assurance   | 63,911   | 60.7%   | -9.5%                                  | 157                               | +++++                                   | +            |   | MN                                    | MN                           | +++++                                  |
| ÷                                     | SKANDIA  | Sweden   | insurance & assurance   | 15,314   | 60.2%   | 49.0%                                  | 42                                | +++++++++++++++++++++++++++++++++++++++ | +            | +++++++                                 | WN                                    | WN                           | +<br>+<br>+                            |
| 12                                    | CAP GEMINI   | France   | ITC   | 19,467   | 59.4%   | -14.8%                                 | 201                               | ++++++                                  | +            | +++++                                   | ‡                                     | ++                           | +++++                                  |
| 13                                    | PINAULT PRINTEMPS  | France   | retail  | 31,069   | 58.4%   | -23.0%                                 | 560                               | +<br>+<br>+                             | +            | +++                                     | ‡                                     | +                            | ‡                                      |
| 4                                     | BOUYGUES   | France   | industrial goods  | 18,152   | 57.7%   | -8.1%                                  | 53                                | ++++++                                  | +            | ı                                       | +                                     | ı                            | +<br>+<br>+                            |
| 15                                    | TELEFONICA   | Spain  | ПС  | 80,692   | 56.8%   | -9.5%                                  | 3,425                             | +                                       | +<br>+<br>+  | +                                       | ı                                     | +                            | ‡                                      |
| 16                                    | WPP GROUP  | ¥  | services  | 12,168   | 56.3%   | -17.1%                                 | 269                               | +++++                                   | +            | ++++                                    | +                                     | ++++                         |  |
| 17                                    | ΤF1  | France   | media   | 10,951   | 53.1%   | 26.2%                                  | 115                               | ++++++                                  | +            | +++++++++++++++++++++++++++++++++++++++ | ‡                                     | +                            | ‡                                      |
| 18                                    | VODAFONE AIRTOUC   | Н<br>С   | ПС  | 153,470  | 50.9%   | -17.5%                                 | 567                               | +++++                                   | +            |   |                                       | +                            | ++++                                   |
| 19                                    | HAYS   | NK   | services  | 13,671   | 50.1%   | -19.9%                                 | 197                               | ‡                                       | +            | +                                       | I                                     | +                            | +<br>+<br>+                            |
| 20                                    | BBVA   | Spain  | banks   | 29,795   | 48.7%   | 22.7%                                  | 1,116                             | ‡                                       | ‡            | +++++                                   | MN                                    | MN                           | ++<br>++<br>+                          |
| 21                                    | KPN  | NL   | ITC   | 46,222   | 48.6%   | -48.8%                                 | 687                               | +<br>+<br>+                             | I            | +++++                                   | I                                     | +                            | ı                                      |
| 22                                    | NN   | NL   | media   | 11,428   | 47.1%   | 10.2%                                  | 248                               | ‡                                       | ‡            | +++                                     | ‡                                     |                              | ++<br>++<br>+                          |
| 23                                    | TELECOM ITALIA   | Italy  | ПC  | 86,435   | 46.5%   | -12.1%                                 | 4,783                             | ‡                                       | ‡            | +                                       | ‡                                     | +                            | +                                      |
| 24                                    | PHILIPS ELECTRONIC   | SS NL  | ПС  | 45,648   | 43.9%   | 44.9%                                  | 426                               | +++++++++++++++++++++++++++++++++++++++ | +            |   | +                                     |                              | ‡                                      |
| 25                                    | UNICREDITO ITALIAN   | O Italy  | banks   | 24,110   | 43.6%   | 24.5%                                  | 1,154                             | +                                       | ++++++       | +<br>+<br>+                             | MZ                                    | WN                           | +<br>+<br>+                            |
| NM:<br>(1) In<br>(2) C( 1)<br>(3) CI∏ | lot Meaningful<br>Million<br>A.s.a CVA.1944<br>ROl14304 - CFROl14304 | (4) Cash Flow Margin₀<br>(5) Asset Productivity₀<br>(6) Gross Investment₁∞ | <ul> <li>a. Cash Flow Margin<sup>1004</sup></li> <li>a. Asset Productivity.<sup>1004</sup></li> <li>a. / Gross investment<sup>1004</sup></li> </ul> | For banks and<br>CVA<br>DCVA<br>Gross Investme | insurance companies t<br>=> AVE<br>=> DAV<br>ant => Equ | the following expression:<br>=<br>uity | s need to be replacec             |   |              |   |                                       |                              |  |

Equity RROE Cost of Equity

Gross Investment CFROI WACC

# Top 100 European Performers (1-25)

|   |   |   |   |  |  |  |                                   |              | Ĕ            | op 100 Eu           | ropean P                                | erformers                             | (26-50)                                 |
|---|---|---|---|--|--|--|-----------------------------------|--------------|--------------|---------------------|---|---------------------------------------|---|
|   |   |   |   | Market<br>Value  |  |  | ∆CVA<br>(in US\$) <sup>(1,2</sup> | Value Dr     | iven By      | Ŀ                   | Relative Im<br>Indamental               | portance of<br>Value Drivers          |   |
| ž   | Company   | Country   | Industry  | (in US\$) <sup>(1)</sup><br>31.12.99                                   | TSR p.a.<br>95-99  | TSR<br>01.01.00 -<br>30.09.00                        | 95-99                             | Expectations | Fundamentals | ∆CFROI <sup>®</sup> | ∆Cash-<br>Flow<br>Margin <sup>(4)</sup> | ∆Asset <sub>(6)</sub><br>Productivity | Gross<br>Invest<br>Growth <sup>®</sup>  |
| 26 N  | <b>ARCONI</b>   | ND  | ПС  | 47,988   | 42.8%  | -15.2%   | 140                               | ++++         |              | +++++               | ·                                       | +++++                                 | ı                                       |
| 27 B  | RITISH TELECOM.   | N   | ПС  | 158,324  | 41.0%  | -52.2%   | 4,012                             | +<br>+<br>+  | +            | +++++               | ‡                                       | +                                     |   |
| 28 L  | OREAL   | France  | consumer goods  | 53,698   | 40.9%  | 11.1%  | 298                               | +++++        | +            | +<br>+              | ı                                       | ŧ                                     | +                                       |
| 29 F.   | ORTIS   | Belgium   | insurance & assurance   | 25,634   | 40.3%  | -0.8%  | 644                               | +            | ++++         | +                   | MN                                      | MN                                    | +++++                                   |
| 30<br>C   | ARREFOUR  | France  | retail  | 62,536   | 39.1%  | -7.7%  | 510                               | +            | ‡            |                     | +                                       |                                       | +<br>+<br>+                             |
| 31 C  | ANAL +  | France  | media   | 18,092   | 38.1%  | 18.2%  | -252                              | +<br>+<br>+  | +            |                     |   |                                       | +<br>+<br>+                             |
| 32 B  | ANCA INTESA   | Italy   | banks   | 18,651   | 36.7%  | 11.3%  | 316                               | +            | ++++         | +++++               | MZ                                      | MZ                                    | ‡<br>+<br>+                             |
| 33 P  | RUDENTIAL   | N   | insurance & assurance   | 38,309   | 36.1%  | -22.2%   | 351                               | ‡            | ‡            |                     | MN                                      | MN                                    | +++++                                   |
| 34 II   | NG GROEP  | NL  | banks   | 57,781   | 36.1%  | 28.0%  | 1,502                             | ı            | +++++        | +++++               | MZ                                      | MZ                                    | +<br>+<br>+                             |
| 35 L  | EGAL & GENERAL  | Х   | insurance & assurance   | 13,895   | 36.0%  | 0.0%   | 505                               |              | ++++         |                     | MN                                      | MN                                    | ++++                                    |
| 36 C  | HRISTIAN DIOR   | France  | consumer goods  | 11,070   | 35.5%  | 0.3%   | 155                               | ++           | ŧ            | ı                   |   | +                                     | +<br>+<br>+                             |
| 37 S  | WISS RE   | Switzerland                                       | insurance & assurance   | 29,951   | 34.7%  | 2.4%   | 841                               | ‡            | ‡            | ++                  | MN                                      | MN                                    | ++++                                    |
| 38 A  | XA  | France  | insurance & assurance   | 48,788   | 34.0%  | 10.7%  | 902                               | +            | ‡            | +++++               | MZ                                      | MZ                                    | +<br>+<br>+                             |
| 39 A  | <b>AMRO HOLDING</b>   | NL  | banks   | 36,274   | 34.0%  | 10.5%  | 1,401                             | ‡            | ‡            | +++++               | MN                                      | MN                                    | ‡                                       |
| 40 L  | HWA   | France  | consumer goods  | 43,434   | 33.9%  | -3.0%  | 42                                | ++++         | +            | ı                   | ı                                       | +                                     | +<br>+<br>+                             |
| 41 B  | RITISH AEROSPACE  | NK  | industrial goods  | 19,388   | 33.3%  | -9.2%  | 305                               | ‡            | ‡            | +                   | ‡                                       |                                       | +++++                                   |
| 42 G  | AS NATURAL  | Spain   | utilities   | 10,212   | 33.1%  | -16.6%   | 386                               | ı            | ++++         | ı                   | +                                       | ı                                     | +<br>+<br>+                             |
| 43 T.   | ELE DANMARK   | Denmark   | ПС  | 15,951   | 33.0%  | -13.7%   | 215                               | ‡            | ‡            | +                   |   | +                                     | ++++                                    |
| 44 P  | EARSON  | NUK   | media   | 19,736   | 33.0%  | 6.2%   |                                   | +++++        | +            | ı                   | ı                                       | ++++                                  | +<br>+<br>+                             |
| 45 B  | I, SKY B.   | N   | media   | 27,681   | 32.9%  | 4.5%   | 10                                | +<br>+<br>+  | +            |                     |   | +<br>+<br>+                           |   |
| 46 S  | siemens   | Germany   | conglomerates   | 74,911   | 32.7%  | 16.0%  | 1,385                             | ‡            | ‡            | +++++               | +                                       | +                                     | ‡                                       |
| 47 S  | MITHKLINE BEECHAM   | N   | pharma & healthcare   | 71,359   | 31.8%  | 19.0%  | 1,152                             | +<br>+<br>+  | +            | ‡                   | ‡                                       |                                       | ‡                                       |
| 48 S  | TANDARD CHARTERED   | N   | banks   | 16,386   | 31.6%  | 5.5%   | -125                              | +++++        | +            |                     | ΣZ                                      | MZ                                    | +++++++++++++++++++++++++++++++++++++++ |
| 49 Z  | URICH ALLIED  | Switzerland                                       | insurance & assurance   | 27,436   | 31.3%  | -10.2%   | 867                               | +            | ++++         | ++                  | MN                                      | MN                                    | +++++                                   |
| 50 A  | ЧНОГД   | NL  | retail  | 18,766   | 31.3%  | 11.3%  | 756                               | +            | +<br>+<br>+  | +                   | ‡                                       | ·                                     | ‡<br>+<br>+                             |
| NM: Not<br>(1) In Mill<br>(2) CVAי≋<br>(3) CFRO | Meaningful (4) Cas<br>ion (4) Cas<br>a - CVAnas (5) Asst<br>Nas - CFROloss (6) Gros | h Flow Margin<br>et Productivity<br>ss Investment | <ul> <li>- Cash Flow Marginmak</li> <li>- Asset Productivity.mak</li> <li>/ Gross investment.mak</li> </ul> | For banks and insu<br>OVA<br>DCVA<br>Gross Investment<br>CFROI<br>WACC | Irance companies tl<br>=> AVE<br>=> DAVI<br>=> Equit<br>=> RRO | he following expressions<br>E<br>E<br>E<br>of Equity | s need to be replaced             |              |              |                     |   |                                       |   |

# Top 100 European Performers (26-50)

|   |  |   |  |   |  |   |                                   |              | F            | op 100 Eu   | ropean F                  | erformers                              | \$ (51-75)                             |
|---|--|---|--|---|--|---|-----------------------------------|--------------|--------------|-------------|---------------------------|--|--|
|   |  |   |  | Market<br>Value   |  |   | ∆CVA<br>(in US\$) <sup>(i.2</sup> | Value Di     | riven By     | ш           | Relative Im<br>Indamental | portance of<br>Value Driver            | v                                      |
| ¥   | Company  | Country   | Industry   | (in US\$)"<br>31.12.99  | TSR p.a.<br>95-99                          | TSR<br>01.01.00 -<br>30.09.00   | 95-99                             | Expectations | Fundamentals | ∆CFROI®     | ∆Cash-<br>Flow<br>Margin  | $\Delta Asset _{\rm (s)}$ Productivity | Gross<br>Invest<br>Growth <sup>®</sup> |
| 51  | VIVENDI  | France  | conglomerates  | 52,695  | 31.1%                                      | -4.8%   | -473                              | +<br>+<br>+  | +            | ı           | ı                         | ı                                      | +<br>+<br>+                            |
| 52  | BANK OF SCOTLAND   | СK  | banks  | 14,409  | 31.1%                                      | -15.7%  | 520                               | +            | +++++        | ‡           | MN                        | MN                                     | +<br>+<br>+                            |
| 53  | NOVARTIS   | Switzerland   | pharma & healthcare  | 104,817   | 30.8%                                      | 14.9%   | 2,087                             | ++++         | +            | +<br>+      | +++++                     | ı                                      | ‡                                      |
| 54  | GKN  | ¥   | automobiles  | 11,213  | 30.7%                                      | -30.2%  | 350                               | +            | ++++++       | +           | ‡                         | +                                      | +                                      |
| 55  | ARGENTARIA   | Spain   | banks  | 11,400  | 30.7%                                      | -4.8%   | 300                               | ‡            | ‡            | +           | WN                        | MN                                     | +                                      |
| 56  | ALCATEL  | France  | ПС   | 45,180  | 30.2%                                      | 60.9%   | -162                              | +++++        | +            |             |                           |  | +                                      |
| 57  | MÜNCHNER RÜCK  | Germany   | insurance & assurance  | 44,272  | 30.2%                                      | 34.0%   | - 155                             | ‡            | ‡            | ‡           | WN                        | MN                                     | +<br>+<br>+                            |
| 58  | REPSOL   | Spain   | industrial goods   | 26,169  | 29.4%                                      | -7.9%   | 1,246                             | ı            | +++++        | ı           | ‡                         | ı                                      | +<br>+<br>+                            |
| 59  | KINGFISHER   | Ч   | retail   | 15,116  | 29.3%                                      | -33.6%  | 389                               | +            | +++++++      | +           | +                         | +                                      | ‡                                      |
| 60  | BASF   | Germany   | chemicals  | 31,893  | 29.2%                                      | -19.6%  | 1,031                             |              | ++++         | +           | ‡                         |  | ‡                                      |
| 61  | KBC  | Belgium   | banks  | 15,860  | 29.1%                                      | -9.4%   | 557                               | +            | +            | ++++++      | MN                        | WN                                     | ‡<br>+<br>+                            |
| 62  | CASTORAMA DUBOIS   | France  | retail   | 11,546  | 28.9%                                      | -16.1%  | 247                               | ‡            | ‡            | +           | +                         | +                                      | +<br>+<br>+                            |
| 63  | BARCLAYS   | Ч   | banks  | 42,821  | 28.4%                                      | 9.0%  | 932                               | +            | +            | +++++       | WN                        | WN                                     | ‡                                      |
| 64  | UPM-KYMMENE  | Finland   | industrial goods   | 10,633  | 28.2%                                      | -25.7%  | 456                               |              | +++++        | +           | +                         | +                                      | +<br>+<br>+                            |
| 65  | IBERDROLA  | Spain   | utilities  | 12,371  | 27.3%                                      | 7.9%  | 1,863                             |              | +++++++      | +           | +                         | +                                      |  |
| 99  | HEINEKEN   | NL  | consumer goods   | 15,141  | 27.0%                                      | 31.0%   | 241                               | +            | +<br>+<br>+  |             | ‡                         |  | +<br>+<br>+                            |
| 67  | ROYAL BANK OF SCOTI  | Ľ.  | banks  | 15,752  | 26.6%                                      | 41.7%   | 588                               | ı            | +++++        | +           | WN                        | MN                                     | ‡<br>+<br>+                            |
| 68  | NATIONAL WESTMINSTI  | ER* UK  | banks  | 35,678  | 26.5%                                      | 1.1%  | 386                               | I            | I            | +           | MN                        | MN                                     | ‡                                      |
| 69  | SOCIETE GENERALE   | France  | banks  | 23,951  | 26.3%                                      | 14.3%   | 1,552                             | ı            | ++++++       | +<br>+<br>+ | MN                        | WN                                     | +<br>+<br>+                            |
| 70  | CREDIT SUISSE  | Switzerland   | banks  | 53,531  | 26.1%                                      | 4.2%  | 2,070                             | ‡            | ‡            | ++++        | MN                        | MN                                     | ‡                                      |
| 71  | ABB LTD.   | Switzerland   | industrial goods   | 36,316  | 26.1%                                      | -12.3%  | -498                              | +<br>+<br>+  | I            | ı           | I                         | I                                      | +<br>+<br>+                            |
| 72  | SCHNEIDER ELECTRIC   | France  | industrial goods   | 12,524  | 26.0%                                      | -5.8%   | 346                               | ‡            | ‡            | +           | ‡                         |  | ‡                                      |
| 73  | INA  | Italy   | insurance & assurance  | 10,500  | 26.0%                                      | 2.5%  | 680                               | +<br>+<br>+  | +            | +++++       | MN                        | WN                                     | ı                                      |
| 74  | GLAXO WELLCOME   | ¥   | pharma & healthcare  | 102,379   | 25.8%                                      | 19.9%   | 1,029                             | +<br>+<br>+  | +            |             |                           |  | ‡                                      |
| 75  | CABLE & WIRELESS   | N   | ITC  | 41,067  | 25.5%                                      | -6.8%   | 291                               | ‡            | ‡            | ı           | ı                         | ı                                      | +<br>+<br>+                            |
| *: Per<br>NM: I<br>(1) In<br>(2) C/<br>(3) CF | viod analysed: 1995-1998<br>Not Meaningful (4)<br>Millio Anas - CYAnas (5)<br>FROInas - CFROInas (5) | Cash Flow Margin.<br>Asset Productivity<br>Gross Investment | <ul> <li>Cash Flow Margin and</li> <li>Asset Productivity and</li> <li>Gross investment and</li> </ul> | For banks and in<br>CVA<br>DCVA<br>Gross Investmer<br>CFROI<br>WACC | rsurrance compa<br>=><br>=><br>nt =><br>=> | and the following expression<br>AVE<br>DAVE<br>Equity<br>FROE<br>Cost of Equity | is need to be replaced            |              |              |             |                           |  |  |

# Top 100 European Performers (76-100)

|             |                       |                                    |                   |                               |                                   |              | Tol          | o 100 Eur   | opean Pe                               | rformers                                      | (76-100)                  |
|-------------|-----------------------|------------------------------------|-------------------|-------------------------------|-----------------------------------|--------------|--------------|-------------|--|---|---------------------------|
|             |                       | Market<br>Value                    |                   |                               | ∆CVA<br>(in US\$) <sup>(1.2</sup> | Value Dr     | iven By      | E.          | Relative Im <sub>l</sub><br>Indamental | portance of<br>Value Driver                   | S                         |
| Country     | Industry              | (in US\$) <sup>"</sup><br>31.12.99 | TSR p.a.<br>95-99 | TSR<br>01.01.00 -<br>30.09.00 | 95-99                             | Expectations | Fundamentals | ∆CFROI®     | ∆Cash-<br>Flow<br>Margin"              | $\Delta \mathbf{Asset}_{(s)}$<br>Productivity | Gross<br>Invest<br>Growth |
| Switzerland | pharma & healthcare   | 108,399                            | 25.3%             | -16.6%                        | 608                               | +            | +            | ı           | I                                      | I   | +<br>+<br>+               |
| Italy       | banks                 | 18,863                             | 25.2%             | 41.1%                         | 981                               | +            | +<br>+<br>+  | +<br>+<br>+ | MN                                     | MN  | ‡                         |
| Germany     | banks                 | 27,910                             | 24.5%             | -6.6%                         | 508                               | +            | +            | +++++       | MN                                     | MN  | ++                        |
| Switzerland | conglomerates         | 12,330                             | 24.1%             | 36.7%                         | 316                               |              | +++++        | +           | +++++                                  | ı   | +<br>+<br>+               |
| Germany     | chemicals             | 34,230                             | 23.9%             | -8.2%                         | 680                               | ++++         | ++           | ı           | ı                                      | +   |                           |
| NL          | consumer goods        | 31,258                             | 23.6%             | 2.1%                          | 1,085                             | ‡            | ‡            | ++          | +                                      | +++   |                           |
| N           | banks                 | 22,634                             | 23.4%             | -2.8%                         | 961                               | ı            | +++++        | ++++        | MZ                                     | MN  | ‡                         |
| Belgium     | utilities             | 17,654                             | 23.3%             | -23.9%                        | 1,005                             | ‡            | ‡            |             | ı                                      |   | +                         |
| Germany     | insurance & assurance | 81,569                             | 23.3%             | 11.8%                         | 301                               | +            | ‡            | +++++       | MN                                     | MN  | +<br>+<br>+               |
| Germany     | automob.              | 20,740                             | 22.4%             | -5.4%                         | 1,020                             |              | +++++        |             | ı                                      | +   | ‡                         |

|   |  |  |   | Market<br>Value  |                      |  | ∆CVA<br>(in US\$) <sup>(1.2</sup> | Value Dr     | iven By      | Ĩ                   | Relative Im<br>Indamental               | iportance of<br>Value Driven             | S                                      |
|---|--|--|---|--|----------------------|--|-----------------------------------|--------------|--------------|---------------------|---|--|--|
| Rk  | npany  | Country  | Industry  | (in US\$)"<br>31.12.99   | TSR p.a.<br>95-99    | TSR<br>01.01.00 -<br>30.09.00  | 95-99                             | Expectations | Fundamentals | ∆CFROI <sup>®</sup> | ∆Cash-<br>Flow<br>Margin <sup>(4)</sup> | $\Delta \text{Asset}_{(6)}$ Productivity | Gross<br>Invest<br>Growth <sup>®</sup> |
| 76 ROC  | HE HOLDING   | Switzerland  | pharma & healthcare   | 108,399  | 25.3%                | -16.6%   | 608                               | ‡            | ++           | I                   | ı                                       | ı  | +<br>+<br>+                            |
| 77 SAN  | PAOLO IMI  | Italy  | banks   | 18,863   | 25.2%                | 41.1%  | 981                               | +            | ++++         | ++++                | WN                                      | MN                                       | ‡                                      |
| 78 DRE  | SDNER BANK   | Germany  | banks   | 27,910   | 24.5%                | -6.6%  | 508                               | +            | ‡            | +++++               | MN                                      | WN                                       | ‡                                      |
| 79 RICH   | IEMONT   | Switzerland  | conglomerates   | 12,330   | 24.1%                | 36.7%  | 316                               |              | ++++         | +++                 | +<br>+<br>+                             |  | +++++                                  |
| 80 BAYE   | ER   | Germany  | chemicals   | 34,230   | 23.9%                | -8.2%  | 680                               | +            | +            | ı                   | ı                                       | +  | ·                                      |
| 81 UNIL   | EVER   | NL   | consumer goods  | 31,258   | 23.6%                | 2.1%   | 1,085                             | ‡            | ‡            | ++                  | +                                       | +  |  |
| 82 ABBI   | EY NATIONAL  | NK   | banks   | 22,634   | 23.4%                | -2.8%  | 961                               | I            | +<br>+<br>+  | +++++               | MZ                                      | WN                                       | ‡                                      |
| 83 ELEC   | CTRABEL*   | Belgium  | utilities   | 17,654   | 23.3%                | -23.9%   | 1,005                             | ‡            | ‡            |                     |   |  | +                                      |
| 84 ALLI/  | ANZ  | Germany  | insurance & assurance   | 81,569   | 23.3%                | 11.8%  | 301                               | +            | ‡            | +++++               | MZ                                      | WN                                       | +<br>+<br>+                            |
| 85 VOL  | SWAGEN   | Germany  | automob.  | 20,740   | 22.4%                | -5.4%  | 1,020                             |              | ++++         | ı                   |   | ++++                                     | ‡                                      |
| 86 SHEI   | LL TRANSPORT   | NN   | industrial goods  | 82,267   | 22.3%                | 10.4%  | 11,086                            | ı            | +++++        | +++++               | +                                       | +  | ‡                                      |
| 87 GRAI   | NADA GROUP   | N  | media   | 18,650   | 22.2%                | -26.9%   | 596                               |              | ++++         |                     | ‡                                       |  | ++++                                   |
| 88 TES(   | 0  | NN   | retail  | 20,592   | 21.8%                | 35.1%  | 757                               | ı            | ++++         | ı                   | ı                                       | ı  | +<br>+<br>+                            |
| 89 BMM  | ~  | Germany  | automob.  | 19,551   | 21.7%                | 29.3%  | -127                              | ‡            | ‡            |                     |   | +  | ‡                                      |
| 90 DEU  | TSCHE BANK   | Germany  | banks   | 51,369   | 21.1%                | 13.6%  | 1,484                             | +            | ++++         | +++++               | ΣZ                                      | WN                                       | +<br>+<br>+                            |
| 91 CON  | <b>IMERZBANK</b>   | Germany  | banks   | 18,281   | 20.6%                | -5.9%  | 257                               | ‡            | ‡            | +                   | WN                                      | MN                                       | ++<br>++<br>+                          |
| 92 AKZ(   | ) NOBEL  | NL   | chemicals   | 14,171   | 20.6%                | -2.5%  | 377                               | ‡            | +++++        | +                   | ı                                       | ++++                                     | +                                      |
| 93 NEST   | TLE  | Switzerland  | consumer goods  | 71,480   | 20.5%                | 25.1%  | 1,244                             | +            | +++++        |                     | +                                       |  | ‡                                      |
| 94 HOLI   | DERBANK  | Switzerland  | industrial goods  | 11,066   | 18.9%                | -16.5%   | 381                               | I            | +++++        | I                   | ‡                                       | ı  | ‡                                      |
| 95 SAIN   | IT GOBAIN  | France   | industrial goods  | 16,227   | 18.5%                | -20.8%   | 426                               |              | +++++        | ı                   |   |  | +++++                                  |
| 96 DAN  | ONE  | France   | consumer goods  | 17,123   | 18.3%                | 35.7%  | 477                               | ‡            | ‡            | +++++               | +                                       | +  | ı                                      |
| 97 BOC  | GROUP  | NK   | chemicals   | 10,504   | 17.8%                | -31.2%   | 456                               | +            | +++++        | ++                  | ‡                                       |  | +                                      |
| 98 P&O  |  | NU   | Ш   | 11,095   | 17.7%                | -40.4%   | 615                               | +<br>+<br>+  | ı            | +++++               | +                                       | +++++                                    | ı                                      |
| . OIN 66  | TINTO  | NK   | industrial goods  | 25,425   | 16.9%                | -31.8%   | 731                               |              | ++++         | +                   | ‡                                       |  | +++++                                  |
| 100 VIAG  |  | Germany  | conglomerates   | 12,559   | 16.9%                | 25.2%  | 908                               | ı            | +++++        | +                   | +                                       | +  | +                                      |
| *: Period ana<br>NM: Not Me<br>(1) In Million<br>(2) CVA1333 - (<br>(3) CFROI1333 | lysed: 1995-1998<br>aningful (4)<br>2VAnast (5)<br>- CFROLisat (6) | Cash Flow Margin <sup>1998</sup><br>Asset Productivity <sup>1999</sup><br>Gross Investment <sup>1999</sup> | <ul> <li>Cash Flow Margin 1994</li> <li>Asset Productivity 1944</li> <li>Gross investment 1944</li> </ul> | For banks and i<br>CVA<br>DCVA<br>Gross Investmer<br>OFROI<br>WACC | nsurance compani<br> | es the following expressions<br>AVE<br>DAVE<br>Guify<br>RACE<br>Oost of Equity | s need to be replaced:            |              |              |                     |   |  |  |

# Top 100 European Performers (76-100)

# **Top 20 Asian Performers**

|    |                            |           |                  |                                    |                   |                               |                                   |   |   |             | Top 20                                | Asian Per                            | formers                    |
|----|----------------------------|-----------|------------------|------------------------------------|-------------------|-------------------------------|-----------------------------------|---|---|-------------|---------------------------------------|--------------------------------------|----------------------------|
|    |                            |           |                  | Market<br>Value                    |                   |                               | ∆CVA<br>(in US\$) <sup>(1.2</sup> | Value Dr                                | iven By                                 | Ð           | Relative Im<br>Indamental             | portance of<br>Value Drivers         | (0                         |
| æ  | < Company                  | Country   | Industry         | (in US\$) <sup>"</sup><br>31.12.99 | TSR p.a.<br>95-99 | TSR<br>01.01.00 -<br>30.09.00 | 95-99                             | Expectations                            | Fundamentals                            | ∆CFROI®     | ∆Cash-<br>Flow<br>Margin <sup>₄</sup> | ∆Asset <sub>(9</sub><br>Productivity | Gross<br>Invest<br>Growth® |
| -  | INFOSYS TECHNOLOGIES       | India     | ITC              | 10,686                             | 164.0%            | 1.2%                          | 23                                | ++++++                                  | +                                       | +<br>+<br>+ |                                       | ‡                                    | +<br>+<br>+                |
| 2  | WIPRO                      | India     | conglomerates    | 13,695                             | 155.3%            | 2.2%                          | တ္                                | +++++                                   | +                                       |             |                                       | +                                    | +<br>+<br>+                |
| со | HON HAI PREC.INDUSTRIES    | Taiwan    | ITC              | 8,168                              | 65.2%             | 14.8%                         | 547                               | ı                                       | +++++++++++++++++++++++++++++++++++++++ | ++++++      | ++++                                  | +++++                                | +<br>+<br>+                |
| 4  | SK TELECOM                 | Korea     | ITC              | 29,796                             | 63.4%             | -32.5%                        | -173                              | +++++++++++++++++++++++++++++++++++++++ | +                                       |             |                                       |                                      | ++++                       |
| 2  | TAIWAN SEMICONDUCTOR       | Taiwan    | industrial goods | 40,653                             | 56.1%             | -20.3%                        | 403                               | +                                       | +                                       | ·           | ı                                     | ı                                    | +<br>+<br>+                |
| 9  | ADVANCED SEMICONDUCTOR     | Taiwan    | ITC              | 7,037                              | 51.7%             | -49.4%                        | 32                                | +++++                                   |   |             | ŧ                                     |                                      | ++++                       |
| 7  | JOHNSON ELECTRIC HDG.      | Hong Kong | industrial goods | 5,864                              | 48.4%             | 34.8%                         | 26                                | ++++                                    | +                                       | ++++        | +++++                                 | +                                    | ‡                          |
| 00 | GUDANG GARAM               | Indonesia | consumer goods   | 5,105                              | 43.5%             | -42.2%                        | 190                               | +                                       | ++++                                    | ++++        | +<br>+<br>+                           | +                                    | +<br>+<br>+                |
| 0  | DACOM                      | Korea     | ITC              | 12,301                             | 42.5%             | -89.7%                        | 0<br>-                            | ++++                                    | +                                       | ,           | ı                                     |                                      | +<br>+<br>+                |
| 10 | ) UNITED MICRO ELECTRONICS | Taiwan    | ITC              | 32,065                             | 38.0%             | -28.2%                        | -                                 | +++++                                   | +                                       |             |                                       |                                      | ++<br>++<br>+              |
| ÷  | I SAMSUNG ELTN.            | Korea     | ITC              | 35,004                             | 36.0%             | -23.5%                        | 2,308                             | ı                                       | ++++                                    | +           | ı                                     | +                                    | +<br>+<br>+                |
| 12 | HUTCHISON WHAMPOA          | Hong Kong | conglomerates    | 56,036                             | 32.7%             | 1.8%                          | 2,215                             | ++++                                    | +                                       | ‡           |                                       | +                                    | +                          |
| ÷. | 3 ACER                     | Taiwan    | ITC              | 9,251                              | 31.9%             | 53.9%                         | 0                                 | +++++                                   | +                                       | ı           | I                                     | ++++++                               | +                          |
| 14 | t CHEUNG KONG              | Hong Kong | services         | 29,029                             | 28.8%             | -3.4%                         | -1,227                            | +++++                                   |   |             |                                       |                                      | +<br>+<br>+                |
| 10 | 5 DBS GROUP                | Singapore | banks            | 19,194                             | 27.9%             | -28.7%                        | 225                               | ‡                                       | ‡                                       | ++          | MN                                    | WN                                   | +++++                      |
| 16 | SINGAPORE PRESS            | Singapore | media            | 7,889                              | 25.9%             | -26.4%                        | -32                               | +++++                                   | +                                       |             |                                       |                                      | +<br>+<br>+                |
| 17 | 7 FAR EASTERN TEXTILES     | Taiwan    | consumer goods   | 6,546                              | 23.4%             | -49.6%                        | 201                               | ‡                                       | ŧ                                       | ++          | +<br>+<br>+                           | +                                    | ı                          |
| 18 | SINGAPORE AIRLINES         | Singapore | TTT              | 14,279                             | 20.9%             | -11.7%                        | 421                               | ‡                                       | ‡                                       | +           | ‡                                     | +                                    | +                          |
| 10 | POHANG IRON STEEL          | Korea     | industrial goods | 10,592                             | 16.6%             | -32.4%                        | 1,230                             | ı                                       | +<br>+<br>+                             | ı           | I                                     | +                                    | ‡                          |
| 20 | HANG SENG BANK             | Hona Kona | banks            | 21.709                             | 16.2%             | 0.4%                          | 1.148                             | 1                                       | ++++                                    | +++         | MN                                    | ΣZ                                   | +                          |

NM: Not Meaningful (1) In Million (2) CVA11004 (3) CFROI11004 - CFROI11004

# **AUTOMOBILES & SUPPLY INDUSTRY**

# **Top 10 Performers by Industry**

|    |                |         | Market<br>Value                      |                   | TSR<br>01.01.00 - | ∆CVA                                | Value Dr     | iven By      | Fu                  | Relative Im                            | portance of<br>Value Drive | rs                                     |
|----|----------------|---------|--------------------------------------|-------------------|-------------------|-------------------------------------|--------------|--------------|---------------------|--|----------------------------|--|
| Rk | Company        | Country | (in US\$) <sup>(1)</sup><br>31.12.99 | TSR p.a.<br>95-99 | 30.09.00          | (in US\$) <sup>(1,2)</sup><br>95-99 | Expectations | Fundamentals | ∆CFROI <sup>®</sup> | ∆Cash-<br>Flow<br>Margin <sup>49</sup> | ∆Asset<br>Productivity     | Gross<br>Invest<br>Growth <sup>©</sup> |
| 1  | GKN            | UK      | 11,213                               | 30.7%             | -30.2%            | 350                                 | ++           | ++           | ++                  | ++                                     | ++                         | +                                      |
| 2  | FORD MOTOR     | USA     | 60,280                               | 28.5%             | -10.9%            | 7,645                               | -            | +++          | ++                  | ++                                     | +                          | +                                      |
| З  | VOLKSWAGEN     | Germany | 20,740                               | 22.4%             | -5.4%             | 1,020                               | -            | ++++         | -                   | -                                      | ++                         | ++                                     |
| 4  | PIRELLI SPA    | Italy   | 5,155                                | 21.7%             | 26.0%             | 669                                 | +            | +++          | +                   | ++                                     | +                          | -                                      |
| 5  | BMW            | Germany | 19,551                               | 21.7%             | 29.3%             | -127                                | ++           | ++           | -                   | -                                      | +                          | ++                                     |
| 6  | GENERAL MOTORS | USA     | 46,276                               | 20.6%             | -8.7%             | 2,982                               | -            | +++          | -                   | +                                      | -                          | ++                                     |
| 7  | TOYOTA MOTOR   | Japan   | 181,140                              | 19.7%             | -13.3%            | 2,047                               | ++           | ++           | ++                  | ++                                     | -                          | +++                                    |
| 8  | HONDA MOTOR    | Japan   | 36,031                               | 17.2%             | 5.3%              | 1,265                               | -            | +++          | ++                  | ++                                     | +                          | ++                                     |
| 9  | PEUGEOT        | France  | 10,220                               | 16.2%             | -9.1%             | -409                                | ++           | ++           | -                   | -                                      | -                          | +++                                    |
| 10 | VALEO          | France  | 6,324                                | 16.2%             | -33.3%            | 161                                 | +            | ++++         | +                   | -                                      | ++                         | ++                                     |

NM: Not Meaningful (1) In Million (2) CVA1999 - CVA1994 (3) CFROI1999 - CFROI1994

(4) Cash Flow Margin<sup>1009</sup> - Cash Flow Margin<sup>1004</sup>
(5) Asset Productivity<sup>1000</sup> - Asset Productivity<sup>1004</sup>
(6) Gross Investment<sup>1009</sup> / Gross Investment<sup>1004</sup>

# BANKS

|    |                     |         | Market<br>Value                    |                   | TSR<br>01.01.00 - | DAVE                               | Value Dr     | iven By      | Relative Im<br>Fundamental | portance of<br>Value Drivers |
|----|---------------------|---------|------------------------------------|-------------------|-------------------|------------------------------------|--------------|--------------|----------------------------|------------------------------|
| Rk | Company             | Country | (in US\$) <sup>™</sup><br>31.12.99 | TSR p.a.<br>95-99 | 30.09.00          | (in US\$) <sup>1,2)</sup><br>95-99 | Expectations | Fundamentals | ∆RROE <sup>(3)</sup>       | Equity<br>Growth             |
| 1  | BIPOP CARIRE        | Italy   | 14,157                             | 87.1%             | 16.7%             | 180                                | ++           | ++           | +++                        | +++                          |
| 2  | CHARLES SCHWAB      | USA     | 31,189                             | 72.3%             | 39.4%             | 260                                | +++          | +            | -                          | +++                          |
| З  | BANCA FIDEURAM      | Italy   | 10,663                             | 68.6%             | 60.6%             | 119                                | +++          | +            | +++                        | +++                          |
| 4  | MGST DEAN WITTER    | USA     | 79,063                             | 55.2%             | 29.1%             | 2,860                              | ++           | ++           | +++                        | +++                          |
| 5  | BBVA                | Spain   | 29,795                             | 48.7%             | 22.7%             | 1,116                              | ++           | ++           | +++                        | +++                          |
| 6  | NORTHERN TRUST      | USA     | 11,732                             | 45.6%             | 68.7%             | 160                                | +++          | +            | ++                         | ++                           |
| 7  | MBNA CORPORATION    | USA     | 21,727                             | 44.9%             | 42.5%             | 459                                | ++           | ++           | -                          | +++                          |
| 8  | ORIX                | Japan   | 15,343                             | 44.7%             | -32.6%            | 87                                 | +++          | +            | ++                         | ++                           |
| 9  | UNICREDITO ITALIANO | Italy   | 24,110                             | 43.6%             | 24.5%             | 1,154                              | +            | +++          | +++                        | +++                          |
| 10 | BANK OF NEW YORK    | USA     | 29,292                             | 43.6%             | 41.8%             | 988                                | ++           | ++           | +++                        | +                            |

NM: Not Meaningful

(1) In Million (2) AVE1999 - AVE1994

(3) RROE1999 - RROE1994

(4) DAVE = Delta Added Value on Equity

# **CHEMICALS**

|    |               |         | Market<br>Value                      |                   | TSR<br>01.01.00 - | ∆ <b>CVA</b>                        | Value Dr     | riven By     | Fu                  | Relative Im<br>Indamenta               | nportance of<br>I Value Drive | rs                                       |
|----|---------------|---------|--------------------------------------|-------------------|-------------------|-------------------------------------|--------------|--------------|---------------------|--|-------------------------------|--|
| Rk | Company       | Country | (in US\$) <sup>(1)</sup><br>31.12.99 | TSR p.a.<br>95-99 | 30.09.00          | (in US\$) <sup>(1,2)</sup><br>95-99 | Expectations | Fundamentals | ∆CFROI <sup>®</sup> | ∆Cash-<br>Flow<br>Margin <sup>49</sup> | ∆Asset<br>Productivity        | Gross<br>Invest<br>Growth <sup>(6)</sup> |
| 1  | BASF          | Germany | 31,893                               | 29.2%             | -19.6%            | 1,031                               | -            | +++          | +                   | ++                                     | -                             | ++                                       |
| 2  | MONSANTO      | USA     | 22,364                               | 26.3%             | 70.4%             | 487                                 | +++          | +            | ++                  | ++                                     | +                             | -  |
| 3  | BAYER         | Germany | 34,230                               | 23.9%             | -8.2%             | 680                                 | ++           | ++           | -                   | -                                      | +                             | -  |
| 4  | DU PONT       | USA     | 68,333                               | 21.5%             | -35.8%            | -1,786                              | +++          | -            | -                   | -                                      | -                             | -  |
| 5  | PRAXAIR       | USA     | 7,953                                | 21.0%             | -24.8%            | 273                                 | +            | +++          | +                   | +                                      | +                             | ++                                       |
| 6  | AKZO NOBEL    | NL      | 14,171                               | 20.6%             | -2.5%             | 377                                 | ++           | ++           | +                   | -                                      | ++                            | +  |
| 7  | SOLVAY        | Belgium | 6,886                                | 20.3%             | -16.2%            | 658                                 | -            | +++          | +                   | ++                                     | +                             | +  |
| 8  | UNION CARBIDE | USA     | 8,885                                | 20.0%             | -42.7%            | -85                                 | ++           | ++           | -                   | -                                      | -                             | ++                                       |
| 9  | ROHM & HAAS   | USA     | 8,856                                | 19.1%             | -27.3%            | 69                                  | +            | +++          | -                   | -                                      | -                             | +++                                      |
| 10 | DOW CHEMICALS | USA     | 29,140                               | 19.0%             | -42.4%            | 743                                 | +            | +++          | +                   | ++                                     | -                             | -  |

NM: Not Meaningful

(1) In Million (2) CVA<sub>1999</sub> - CVA<sub>1994</sub> (3) CFROI<sub>1999</sub> - CFROI<sub>1994</sub>

(4) Cash Flow Margin<sup>1999</sup> - Cash Flow Margin<sup>1994</sup>
(5) Asset Productivity<sup>1999</sup> - Asset Productivity<sup>1994</sup>
(6) Gross Investment<sup>1999</sup> / Gross Investment<sup>1994</sup>

# **Top 10 Performers by Industry**

# CONGLOMERATES

|    |                     |           | Market<br>Value                      |                   | TSR<br>01.01.00 - | ∆CVA                                | Value Dr     | riven By     | Fu                  | Relative Im<br>Indamenta              | nportance of<br>I Value Drive       | rs                                       |
|----|---------------------|-----------|--------------------------------------|-------------------|-------------------|-------------------------------------|--------------|--------------|---------------------|---------------------------------------|-------------------------------------|--|
| Rk | Company             | Country   | (in US\$) <sup>(1)</sup><br>31.12.99 | TSR p.a.<br>95-99 | 30.09.00          | (in US\$) <sup>(1,2)</sup><br>95-99 | Expectations | Fundamentals | ∆CFROI <sup>®</sup> | ∆Cash-<br>Flow<br>Margin <sup>₄</sup> | ∆Asset<br>Productivity <sup>®</sup> | Gross<br>Invest<br>Growth <sup>(6)</sup> |
| 1  | WIPRO               | India     | 13,695                               | 155.3%            | 2.2%              | -9                                  | +++          | +            | -                   | -                                     | +                                   | +++                                      |
| 2  | MANNESMANN          | Germany   | 117,723                              | 63.5%             | -31.4%            | 2,022                               | +++          | +            | ++                  | ++                                    | +                                   | ++                                       |
| З  | GENERAL ELECTRIC    | USA       | 504,388                              | 46.1%             | 12.8%             | 6,383                               | +++          | +            | +                   | +                                     | +                                   | ++                                       |
| 4  | CORNING             | USA       | 31,386                               | 41.2%             | 130.9%            | 128                                 | +++          | +            | +                   | ++                                    | -                                   | +  |
| 5  | UNITED TECHNOLOGIES | USA       | 30,945                               | 35.2%             | 7.6%              | 980                                 | +++          | +            | ++                  | ++                                    | +                                   | -  |
| 6  | HUTCHISON WHAMPOA   | Hong Kong | 56,036                               | 32.7%             | 1.8%              | 2,215                               | +++          | +            | ++                  | -                                     | +                                   | +  |
| 7  | SIEMENS             | Germany   | 74,911                               | 32.7%             | 16.0%             | 1,385                               | ++           | ++           | ++                  | +                                     | +                                   | ++                                       |
| 8  | VIVENDI             | France    | 52,695                               | 31.1%             | -4.8%             | -473                                | +++          | +            | -                   | -                                     | -                                   | +++                                      |
| 9  | HONEYWELL INT.      | USA       | 45,275                               | 29.5%             | -37.4%            | 1,150                               | ++           | ++           | ++                  | +                                     | +                                   | +++                                      |
| 10 | TEXTRON             | USA       | 11,343                               | 27.3%             | -38.8%            | 110                                 | -            | +++          | -                   | -                                     | -                                   | ++                                       |

NM: Not Meaningful (1) In Million (2) CVA1999 - CVA1994 (3) CFROI1999 - CFROI1994

(4) Cash Flow Margin1000 - Cash Flow Margin1004 (5) Asset Productivity1000 - Asset Productivity1004 (6) Gross Investment1000 / Gross Investment1004

# **CONSUMER GOODS**

|    |                   |         | Market<br>Value                      |                   | TSR<br>01.01.00 - | ∆ <b>CVA</b>                        | Value Dr     | iven By      | Fu                  | Relative Im                           | portance of<br>Value Drive          | rs                                     |
|----|-------------------|---------|--------------------------------------|-------------------|-------------------|-------------------------------------|--------------|--------------|---------------------|---------------------------------------|-------------------------------------|--|
| Rk | Company           | Country | (in US\$) <sup>(1)</sup><br>31.12.99 | TSR p.a.<br>95-99 | 30.09.00          | (in US\$) <sup>(1,2)</sup><br>95-99 | Expectations | Fundamentals | ∆CFROI <sup>®</sup> | ∆Cash-<br>Flow<br>Margin <sup>"</sup> | ∆Asset<br>Productivity <sup>©</sup> | Gross<br>Invest<br>Growth <sup>©</sup> |
| 1  | L'OREAL           | France  | 53,698                               | 40.9%             | 11.1%             | 298                                 | +++          | +            | ++                  | -                                     | ++                                  | +                                      |
| 2  | CHRISTIAN DIOR    | France  | 11,070                               | 35.5%             | 0.3%              | 155                                 | ++           | ++           | -                   | -                                     | +                                   | +++                                    |
| 3  | COLGATE-PALMOLIVE | USA     | 37,657                               | 35.1%             | -26.8%            | 486                                 | +++          | +            | ++                  | ++                                    | -                                   | +                                      |
| 4  | LVMH              | France  | 43,434                               | 33.9%             | -3.0%             | 42                                  | +++          | +            | -                   | -                                     | +                                   | +++                                    |
| 5  | PROCTER & GAMBLE  | USA     | 143,181                              | 30.9%             | -38.0%            | 2,075                               | +++          | +            | ++                  | ++                                    | +                                   | +                                      |
| 6  | CLOROX            | USA     | 11,842                               | 30.6%             | -20.3%            | 210                                 | ++           | ++           | -                   | -                                     | -                                   | +++                                    |
| 7  | HEINEKEN          | NL      | 15,141                               | 27.0%             | 31.0%             | 241                                 | +            | +++          | -                   | ++                                    | -                                   | +++                                    |
| 8  | ANHEUSER-BUSCH    | USA     | 32,794                               | 26.1%             | 20.9%             | 620                                 | ++           | ++           | ++                  | ++                                    | -                                   | +                                      |
| 9  | KIMBERLY-CLARK    | USA     | 35,422                               | 24.4%             | -13.4%            | 1,221                               | ++           | ++           | ++                  | ++                                    | +                                   | ++                                     |
| 10 | UNILEVER          | NL      | 31,258                               | 23.6%             | 2.1%              | 1,085                               | ++           | ++           | ++                  | +                                     | ++                                  | -                                      |

NM: Not Meaningful (1) In Million (2) CVA1999 - CVA1994

(3) CFROI1999 - CFROI1994

(4) Cash Flow Margin<sup>11009</sup> - Cash Flow Margin<sup>11084</sup>
(5) Asset Productivity<sup>1909</sup> - Asset Productivity<sup>1904</sup>
(6) Gross Investment<sup>1009</sup> / Gross Investment<sup>1004</sup>

# **E-COMMERCE**

|    |                        |         | Market<br>Value                      |                   | TSR<br>01.01.00 - | ∆ <b>CVA</b>                        | Value Dr     | iven By      | Fu                  | Relative Im                            | portance of<br>Value Drive         | ers                                     |
|----|------------------------|---------|--------------------------------------|-------------------|-------------------|-------------------------------------|--------------|--------------|---------------------|--|------------------------------------|---|
| Rk | Company                | Country | (in US\$) <sup>(1)</sup><br>31.12.99 | TSR p.a.<br>98-99 | 30.09.00          | (in US\$) <sup>(1,2)</sup><br>95-99 | Expectations | Fundamentals | ∆CFROI <sup>®</sup> | ∆Cash-<br>Flow<br>Margin <sup>49</sup> | $\Delta Asset$ (5)<br>Productivity | Gross<br>Invest<br>Growth <sup>69</sup> |
| 1  | CMGI                   | USA     | 33,858                               | 755.7%            | -79.8%            | 80                                  | ++           | ++           | +                   | +++                                    | -                                  | +++                                     |
| 2  | SOFTBANK               | Japan   | 104,552                              | 438.9%            | -69.0%            | -1,985                              | +++          | -            | -                   | -                                      | -                                  | ++                                      |
| 3  | YAHOO!                 | USA     | 113,266                              | 399.9%            | -57.9%            | 10                                  | +++          | +            | +                   | -                                      | ++                                 | +++                                     |
| 4  | REALNETWORKS           | USA     | 8,902                                | 316.5%            | -33.9%            | -5                                  | +++          | -            | +++                 | +++                                    | -                                  | +++                                     |
| 5  | AMAZON                 | USA     | 25,798                               | 289.4%            | -49.5%            | -396                                | +++          | -            | -                   | -                                      | +++                                | +++                                     |
| 6  | AMERICA ONLINE         | USA     | 168,672                              | 266.2%            | -29.2%            | 228                                 | +++          | +            | ++                  | ++                                     | ++                                 | +++                                     |
| 7  | LYCOS                  | USA     | 7,626                                | 177.4%            | -13.6%            | -7                                  | +++          | -            | +++                 | +++                                    | -                                  | +++                                     |
| 8  | LEVEL 3 COMMUNICATIONS | USA     | 27,770                               | 135.2%            | -5.8%             | -433                                | +++          | -            | -                   | -                                      | -                                  | +++                                     |
| 9  | E TRADE GROUP          | USA     | 6,464                                | 113.2%            | -37.1%            | -76                                 | +++          | -            | -                   | NM                                     | NM                                 | ++                                      |
| 10 | AT HOME                | USA     | 14,814                               | 84.7%             | -67.1%            | -425                                | +++          | -            | +++                 | +++                                    | -                                  | +++                                     |

NM: Not Meaningful

(1) In Million (2) CVA1999 - CVA1994 (3) CFROI1999 - CFROI1994 (4) Cash Flow Margin<sup>1999</sup> - Cash Flow Margin<sup>1098</sup>
(5) Asset Productivity<sup>1999</sup> - Asset Productivity<sup>1994</sup>
(6) Gross Investmen<sup>1999</sup> / Gross Investmen<sup>1994</sup>

# **INDUSTRIAL GOODS & ENGINEERING**

# **Top 10 Performers by Industry**

|    |                      |         | Market<br>Value                      |                   | TSR<br>01.01.00 - |                                     | Value Dr     | iven By      | Fu                  | Relative Im                           | portance of<br>Value Drive | rs                                     |
|----|----------------------|---------|--------------------------------------|-------------------|-------------------|-------------------------------------|--------------|--------------|---------------------|---------------------------------------|----------------------------|--|
| Rk | Company              | Country | (in US\$) <sup>(1)</sup><br>31.12.99 | TSR p.a.<br>95-99 | 30.09.00          | (in US\$) <sup>(1,2)</sup><br>95-99 | Expectations | Fundamentals | ∆CFROI <sup>®</sup> | ∆Cash-<br>Flow<br>Margin <sup>"</sup> | ∆Asset<br>Productivity     | Gross<br>Invest<br>Growth <sup>®</sup> |
| 1  | BOUYGUES             | France  | 18,152                               | 57.7%             | -8.1%             | 53                                  | +++          | +            | -                   | +                                     | -                          | +++                                    |
| 2  | TAIWAN SEMICONDUCTOR | Taiwan  | 40,653                               | 56.1%             | -20.3%            | 403                                 | ++           | ++           | -                   | -                                     | -                          | +++                                    |
| З  | TERADYNE             | USA     | 11,223                               | 50.8%             | -47.0%            | 63                                  | +++          | +            | ++                  | -                                     | ++                         | +++                                    |
| 4  | TYCO INTERNATIONAL   | USA     | 65,931                               | 47.6%             | 33.1%             | 1,878                               | -            | +++          | ++                  | ++                                    | -                          | +++                                    |
| 5  | MURATA MANUFACTURING | Japan   | 56,120                               | 45.0%             | -37.6%            | 68                                  | +++          | +            | -                   | +                                     | -                          | ++                                     |
| 6  | BOMBARDIER           | Canada  | 10,257                               | 38.1%             | 76.2%             | 213                                 | ++           | ++           | -                   | +                                     | -                          | +++                                    |
| 7  | BRITISH AEROSPACE    | UK      | 19,388                               | 33.3%             | -9.2%             | 305                                 | ++           | ++           | +                   | ++                                    | -                          | +++                                    |
| 8  | SMC                  | Japan   | 15,398                               | 32.3%             | -19.6%            | -                                   | -            | -            | -                   | -                                     | -                          | -                                      |
| 9  | REPSOL               | Spain   | 26,169                               | 29.4%             | -7.9%             | 1,246                               | -            | +++          | -                   | ++                                    | -                          | +++                                    |
| 10 | LOWE'S COMPANIES     | USA     | 22,716                               | 28.6%             | -24.7%            | 283                                 | ++           | ++           | -                   | +                                     | -                          | +++                                    |

NM: Not Meaningful (1) In Million

(4) Cash Flow Margin<sub>1984</sub>
(5) Asset Productivity<sub>1989</sub> - Asset Productivity<sub>1984</sub>
(6) Gross Investment<sub>1984</sub> / Gross Investment<sub>1984</sub>

# **INFORMATION/COMMUNICATION & TELECOMMUNICATION (ITC)**

|    | 0                    | Marke<br>Value |                          |          | TSR<br>01.01.00 - |                                     | Value Dr     | iven By      | Fu                    | Relative Im<br>Indamenta              | portance of<br>Value Drive          | rs                                     |
|----|----------------------|----------------|--------------------------|----------|-------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------------------------|-------------------------------------|--|
| Rk | Company              | Country        | (in US\$) <sup>(1)</sup> | TSR p.a. | 30.09.00          | (in US\$) <sup>(1,2)</sup><br>95-99 | Expectations | Fundamentals | ∆CFROI <sup>(3)</sup> | ∆Cash-<br>Flow<br>Margin <sup>4</sup> | ∆Asset<br>Productivity <sup>©</sup> | Gross<br>Invest<br>Growth <sup>®</sup> |
| 1  | VERITAS SOFTWARE     | USA            | 36,886                   | 177.9%   | 48.8%             | 231                                 | ++           | ++           | +++                   | +++                                   | ++                                  | +++                                    |
| 2  | INFOSYS TECHNOLOGIES | India          | 10,686                   | 164.0%   | 1.2%              | 25                                  | +++          | +            | +++                   | -                                     | ++                                  | +++                                    |
| 3  | DELL COMPUTER        | USA            | 130,094                  | 140.0%   | -39.6%            | 1,460                               | +++          | +            | +++                   | ++                                    | +++                                 | +++                                    |
| 4  | QUALCOMM             | USA            | 115,579                  | 127.9%   | -59.5%            | 52                                  | +++          | +            | ++                    | +                                     | ++                                  | +++                                    |
| 5  | THE SAGE GROUP       | UK             | 14,825                   | 125.4%   | -33.3%            | 77                                  | +++          | +            | +++                   | -                                     | +++                                 | +++                                    |
| 6  | SUN MICROSYSTEMS     | USA            | 121,163                  | 103.5%   | 50.8%             | 645                                 | +++          | +            | ++                    | ++                                    | +                                   | +++                                    |
| 7  | CISCO SYSTEMS        | USA            | 364,454                  | 93.9%    | 3.2%              | 1,445                               | +++          | +            | -                     | -                                     | ++                                  | +++                                    |
| 8  | LOGICA               | UK             | 10,223                   | 92.8%    | 39.4%             | 70                                  | +++          | +            | +++                   | ++                                    | +++                                 | -                                      |
| 9  | NOKIA                | Finland        | 206,325                  | 92.1%    | 2.4%              | 2,146                               | +++          | +            | +++                   | ++                                    | +++                                 | +++                                    |
| 10 | EMC CORPORATION      | USA            | 111,816                  | 81.9%    | 81.5%             | 539                                 | +++          | +            | -                     | -                                     | -                                   | +++                                    |

NM: Not Meaningful (1) In Million (2) CVA<sub>1999</sub> - CVA<sub>1994</sub>

(4) Cash Flow Margin1999 - Cash Flow Margin1994 (5) Asset Productivity1999 - Asset Productivity1994

(3) CFROI1999 - CFROI1994 (6) Gross Investment1999 / Gross Investment1994

# **INSURANCE & ASSURANCE**

|    |                        |             | Market<br>Value                    |                   | TSR<br>01.01.00 - | DAVE                               | Value Di     | iven By      | Relative Im<br>Fundamenta   | portance of<br>Value Drivers |
|----|------------------------|-------------|------------------------------------|-------------------|-------------------|------------------------------------|--------------|--------------|-----------------------------|------------------------------|
| Rk | Company                | Country     | (in US\$) <sup>™</sup><br>31.12.99 | TSR p.a.<br>95-99 | 30.09.00          | (in US\$) <sup>1,2)</sup><br>95-99 | Expectations | Fundamentals | ∆ <b>RROE<sup>(3)</sup></b> | Equity<br>Growth             |
| 1  | AEGON                  | NL          | 63,911                             | 60.7%             | -9.5%             | 157                                | +++          | +            | -                           | +++                          |
| 2  | SKANDIA                | Sweden      | 15,314                             | 60.2%             | 49.0%             | 42                                 | +++          | +            | +++                         | +++                          |
| 3  | PROVIDIAN FINANCIAL    | USA         | 12,856                             | 59.2%             | 39.7%             | _                                  | _            | _            | _                           | _                            |
| 4  | FORTIS                 | Belgium     | 25,634                             | 40.3%             | -0.8%             | 644                                | +            | +++          | ++                          | +++                          |
| 5  | AMERICAN INTERNATIONAL | USA         | 166,470                            | 36.4%             | 32.9%             | 1,474                              | +++          | +            | ++                          | +++                          |
| 6  | PRUDENTIAL             | UK          | 38,309                             | 36.1%             | -22.2%            | 351                                | ++           | ++           | -                           | +++                          |
| 7  | LEGAL & GENERAL        | UK          | 13,895                             | 36.0%             | 0.0%              | 505                                | -            | +++          | -                           | +++                          |
| 8  | AFLAC                  | USA         | 12,487                             | 35.9%             | 36.5%             | 136                                | ++           | ++           | -                           | +++                          |
| 9  | SWISS RE               | Switzerland | 29,951                             | 34.7%             | 2.4%              | 841                                | ++           | ++           | ++                          | +++                          |
| 10 | AXA                    | France      | 48,788                             | 34.0%             | 10.7%             | 902                                | ++           | ++           | ++                          | +++                          |

NM: Not Meaningful

(1) In Million

(2) AVE1999 - AVE1994 (3) RROE1999 - RROE1994

(4) DAVE = Delta Added Value on Equity

<sup>(2)</sup> CVA1999 - CVA1994 (3) CFROI1999 - CFROI1994

# **Top 10 Performers by Industry**

# **MEDIA & ENTERTAINMENT**

|    |                           |         | Market<br>Value                      |                   | TSR<br>01.01.00 - | ∆CVA                                | Value Dr     | iven By      | Fu                  | Relative Im<br>Indamental              | portance of<br>Value Drive | rs                                     |
|----|---------------------------|---------|--------------------------------------|-------------------|-------------------|-------------------------------------|--------------|--------------|---------------------|--|----------------------------|--|
| Rk | Company                   | Country | (in US\$) <sup>(1)</sup><br>31.12.99 | TSR p.a.<br>95-99 | 30.09.00          | (in US\$) <sup>(1,2)</sup><br>95-99 | Expectations | Fundamentals | ∆CFROI <sup>®</sup> | ∆Cash-<br>Flow<br>Margin <sup>49</sup> | ∆Asset (5)<br>Productivity | Gross<br>Invest<br>Growth <sup>®</sup> |
| 1  | TV GUIDE                  | USA     | 6,604                                | 70.3%             | 6.1%              | 133                                 | +++          | +            | -                   | ++                                     | -                          | -                                      |
| 2  | CLEAR CHANNEL COM         | USA     | 30,043                               | 69.7%             | -36.7%            | 543                                 | +            | +++          | +                   | +++                                    | -                          | +++                                    |
| З  | M6-METROPOLE TELEVISION   | France  | 6,467                                | 64.8%             | 16.2%             | 76                                  | +++          | +            | +++                 | -                                      | +++                        | ++                                     |
| 4  | TF1                       | France  | 10,951                               | 53.1%             | 26.2%             | 115                                 | +++          | +            | +++                 | ++                                     | +                          | ++                                     |
| 5  | VNU                       | NL      | 11,428                               | 47.1%             | 10.2%             | 248                                 | ++           | ++           | ++                  | ++                                     | -                          | +++                                    |
| 6  | COMCAST SPECIAL           | USA     | 35,953                               | 45.7%             | -19.0%            | -90                                 | +++          | +            | -                   | -                                      | +                          | +++                                    |
| 7  | CABLEVISION SYSTEMS       | USA     | 9,746                                | 43.0%             | -12.2%            | -558                                | +++          | -            | +                   | +                                      | +                          | +++                                    |
| 8  | CBS                       | USA     | 48,474                               | 40.2%             | -8.1%             | 515                                 | +++          | -            | +++                 | ++                                     | +++                        | -                                      |
| 9  | NIPPON TELEVISION NETWORK | Japan   | 14,809                               | 38.6%             | 3.6%              | _                                   | _            | _            | _                   | _                                      | _                          | _                                      |
| 10 | CANAL +                   | France  | 18,092                               | 38.1%             | 18.2%             | -252                                | +++          | +            | -                   | -                                      | -                          | +++                                    |

NM: Not Meaningful

(1) In Million (2) CVA1999 - CVA1994 (3) CFROI1999 - CFROI1994

(4) Cash Flow Margin<sup>11099</sup> - Cash Flow Margin<sup>11084</sup>
(5) Asset Productivity<sup>1099</sup> - Asset Productivity<sup>11044</sup>
(6) Gross Investment<sup>11090</sup> / Gross Investment<sup>11091</sup>

# **PHARMACEUTICALS & HEALTHCARE**

|    |                      |         | Market<br>Value          |                   | TSR<br>01.01.00 - | ∆CVA                                | Value Dr     | riven By     | Fu                  | Relative Im                           | portance of<br>Value Drive          | rs                                     |
|----|----------------------|---------|--------------------------|-------------------|-------------------|-------------------------------------|--------------|--------------|---------------------|---------------------------------------|-------------------------------------|--|
| Rk | Company              | Country | (in US\$) <sup>(1)</sup> | TSR p.a.<br>95-99 | 30.09.00          | (in US\$) <sup>(1,2)</sup><br>95-99 | Expectations | Fundamentals | ∆CFROI <sup>®</sup> | ∆Cash-<br>Flow<br>Margin <sup>∉</sup> | ∆Asset<br>Productivity <sup>©</sup> | Gross<br>Invest<br>Growth <sup>®</sup> |
| 1  | MEDIMMUNE            | USA     | 10,017                   | 148.5%            | 39.7%             | 92                                  | ++           | ++           | +++                 | +++                                   | ++                                  | +++                                    |
| 2  | IMMUNEX              | USA     | 17,887                   | 96.7%             | 19.2%             | 16                                  | +++          | +            | +++                 | +++                                   | -                                   | +++                                    |
| 3  | GUIDANT CORP.        | USA     | 14,365                   | 63.9%             | 50.4%             | 262                                 | ++           | ++           | ++                  | ++                                    | +                                   | +++                                    |
| 4  | AMGEN                | USA     | 61,013                   | 52.1%             | 16.3%             | 675                                 | +++          | +            | ++                  | +++                                   | -                                   | +++                                    |
| 5  | BIOGEN               | USA     | 12,625                   | 51.9%             | -27.8%            | 160                                 | +++          | +            | +++                 | +++                                   | ++                                  | +++                                    |
| 6  | WARNER LAMBERT       | USA     | 69,964                   | 47.4%             | 59.1%             | 970                                 | +++          | +            | ++                  | +                                     | ++                                  | ++                                     |
| 7  | PFIZER               | USA     | 124,874                  | 40.0%             | 39.5%             | 1,913                               | +++          | +            | ++                  | ++                                    | +                                   | +++                                    |
| 8  | MEDTRONIC            | USA     | 43,278                   | 39.9%             | 42.6%             | 64                                  | ++           | ++           | -                   | -                                     | -                                   | +++                                    |
| 9  | BRISTOL MYERS SQUIBB | USA     | 126,618                  | 37.9%             | -9.9%             | 2,068                               | +++          | +            | +++                 | ++                                    | ++                                  | +                                      |
| 10 | SCHERING-PLOUGH      | USA     | 61,905                   | 37.9%             | 10.8%             | 1,021                               | ++           | ++           | ++                  | ++                                    | +                                   | +++                                    |

NM: Not Meaningful (1) In Million (2) CVA1999 - CVA1994

(4) Cash Flow Margin<sup>1999</sup> - Cash Flow Margin<sup>1098</sup>
(5) Asset Productivity<sup>1999</sup> - Asset Productivity<sup>1994</sup>
(6) Gross Investment<sup>1999</sup> / Gross Investment<sup>1994</sup> (3) CFROI1999 - CFROI1994

# RETAIL

|    |                        |         | Market<br>Value                      |                   | TSR<br>01.01.00 - | ∆ <b>CVA</b>                        | Value Dr     | iven By      | Fu                  | Relative Im                            | portance of<br>Value Drive | rs                                     |
|----|------------------------|---------|--------------------------------------|-------------------|-------------------|-------------------------------------|--------------|--------------|---------------------|--|----------------------------|--|
| Rk | Company                | Country | (in US\$) <sup>(1)</sup><br>31.12.99 | TSR p.a.<br>95-99 | 30.09.00          | (in US\$) <sup>(1,2)</sup><br>95-99 | Expectations | Fundamentals | ∆CFROI <sup>®</sup> | ∆Cash-<br>Flow<br>Margin <sup>44</sup> | ∆Asset<br>Productivity     | Gross<br>Invest<br>Growth <sup>®</sup> |
| 1  | H&M                    | Sweden  | 24,235                               | 73.8%             | -31.9%            | 224                                 | +++          | +            | +++                 | ++                                     | ++                         | +++                                    |
| 2  | GAP                    | USA     | 38,923                               | 60.2%             | -56.2%            | 750                                 | ++           | ++           | ++                  | +                                      | +                          | +++                                    |
| 3  | PINAULT PRINTEMPS      | France  | 31,069                               | 58.4%             | -23.0%            | 560                                 | +++          | +            | ++                  | ++                                     | ++                         | ++                                     |
| 4  | FAST RETAILING         | Japan   | 10,731                               | 56.5%             | 6.2%              | 47                                  | +++          | +            | +++                 | ++                                     | +++                        | +++                                    |
| 5  | KOHLS                  | USA     | 11,703                               | 48.7%             | 59.8%             | 121                                 | ++           | ++           | -                   | +                                      | -                          | +++                                    |
| 6  | HOME DEPOT             | USA     | 157,405                              | 46.9%             | -22.6%            | 1,274                               | +++          | +            | ++                  | +                                      | +                          | +++                                    |
| 7  | WAL-MART STORES        | USA     | 306,148                              | 46.4%             | -30.1%            | 3,200                               | +++          | +            | +                   | -                                      | ++                         | +++                                    |
| 8  | TARGET (DAYTON-HUDSON) | USA     | 31,999                               | 46.2%             | -29.9%            | 868                                 | ++           | ++           | ++                  | +                                      | ++                         | ++                                     |
| 9  | BEST BUY               | USA     | 10,257                               | 45.1%             | 26.6%             | 92                                  | +++          | +            | ++                  | +                                      | ++                         | +++                                    |
| 10 | WALGREEN               | USA     | 29,237                               | 41.3%             | 30.1%             | 349                                 | ++           | ++           | +                   | +                                      | +                          | +++                                    |

NM: Not Meaningful

(1) In Million (2) CVA1999 - CVA1994 (3) CFROI1999 - CFROI1994 (4) Cash Flow Margin<sup>1999</sup> - Cash Flow Margin<sup>1098</sup>
(5) Asset Productivity<sup>1999</sup> - Asset Productivity<sup>1994</sup>
(6) Gross Investmen<sup>1999</sup> / Gross Investmen<sup>1994</sup>

# SERVICES

## **Top 10 Performers by Industry**

|    |                      |         | Market<br>Value                      |                   | TSR<br>01.01.00 - |                                     | Value Dr     | riven By     | Fu                  | Relative Im<br>Indamenta               | portance of<br>Value Drive | ers                                    |
|----|----------------------|---------|--------------------------------------|-------------------|-------------------|-------------------------------------|--------------|--------------|---------------------|--|----------------------------|--|
| Rk | Company              | Country | (in US\$) <sup>(1)</sup><br>31.12.99 | TSR p.a.<br>95-99 | 30.09.00          | (in US\$) <sup>(1,2)</sup><br>95-99 | Expectations | Fundamentals | ∆CFROI <sup>®</sup> | ∆Cash-<br>Flow<br>Margin <sup>49</sup> | ∆Asset<br>Productivity     | Gross<br>Invest<br>Growth <sup>©</sup> |
| 1  | VITESSE SEMICON      | USA     | 8,188                                | 127.9%            | 69.6%             | 38                                  | +++          | +            | +++                 | +++                                    | +                          | +++                                    |
| 2  | ALTRAN TECHNOLOGIES  | France  | 5,870                                | 101.6%            | 19.8%             | 50                                  | +++          | +            | ++                  | +                                      | ++                         | +++                                    |
| 3  | MLP                  | Germany | 5,538                                | 86.5%             | 126.5%            | 227                                 | -            | +++          | +++                 | +++                                    | -                          | +++                                    |
| 4  | BELLSYSTEM 24        | Japan   | 5,449                                | 64.0%             | -54.4%            | 22                                  | +++          | +            | +++                 | ++                                     | +++                        | +                                      |
| 5  | WPP GROUP            | UK      | 12,168                               | 56.3%             | -17.1%            | 269                                 | +++          | +            | +++                 | +                                      | +++                        | -                                      |
| 6  | HAYS                 | UK      | 13,671                               | 50.1%             | -19.9%            | 197                                 | ++           | ++           | +                   | -                                      | +                          | +++                                    |
| 7  | KANSAS CITY SOUTHERN | USA     | 8,202                                | 49.5%             | 85.0%             | _                                   | _            | _            | _                   | -                                      | _                          | -                                      |
| 8  | RANDSTAD             | NL      | 5,511                                | 43.1%             | -39.7%            | 156                                 | ++           | ++           | +++                 | +                                      | +++                        | +++                                    |
| 9  | INTERPUBLIC GROUP    | USA     | 16,100                               | 41.8%             | -40.6%            | 286                                 | ++           | ++           | +                   | +                                      | +                          | +++                                    |
| 10 | COMPASS GROUP        | UK      | 9,310                                | 40.6%             | -5.3%             | 257                                 | +            | +++          | +                   | -                                      | ++                         | +++                                    |

NM: Not Meaningful

(1) In Million (2) CVA1999 - CVA1994 (3) CFROI1999 - CFROI1994 (4) Cash Flow Margin<sup>1999</sup> - Cash Flow Margin<sup>1994</sup>
(5) Asset Productivity<sup>1999</sup> - Asset Productivity<sup>1994</sup>
(6) Gross Investment<sup>1999</sup> / Gross Investment<sup>1994</sup>

# **TRAVEL, TRANSPORTATION & TOURISM**

|    |                      |             | Market<br>Value                     |                   | TSR<br>01.01.00 - | ∆CVA                               | Value Dr     | riven By     | Fu                    | Relative Im<br>Indamenta               | nportance of<br>I Value Drive | rs                                       |
|----|----------------------|-------------|-------------------------------------|-------------------|-------------------|------------------------------------|--------------|--------------|-----------------------|--|-------------------------------|--|
| Rk | Company              | Country     | (in US\$) <sup><sup>(1)</sup></sup> | TSR p.a.<br>95-99 | 30.09.00          | (in US\$) <sup>1.2)</sup><br>95-99 | Expectations | Fundamentals | ∆CFROI <sup>(3)</sup> | ∆Cash-<br>Flow<br>Margin <sup>44</sup> | ∆Asset<br>Productivity        | Gross<br>Invest<br>Growth <sup>(6)</sup> |
| 1  | CONTINENTAL AIRLINES | USA         | 2,554                               | 57.2%             | 2.4%              | 1,229                              | -            | +++          | +++                   | +++                                    | -                             | +++                                      |
| 2  | US AIRWAYS           | USA         | 2,278                               | 49.8%             | -5.1%             | 590                                | -            | +++          | ++                    | ++                                     | +                             | -  |
| З  | CARNIVAL             | USA         | 29,180                              | 36.6%             | -47.8%            | 473                                | ++           | ++           | ++                    | ++                                     | -                             | +++                                      |
| 4  | KUONI REISEN         | Switzerland | 1,097                               | 33.2%             | 11.4%             | 98                                 | -            | ++++         | +++                   | ++                                     | -                             | +++                                      |
| 5  | YAMATO TRANSPORT     | Japan       | 17,109                              | 30.0%             | -39.3%            | -                                  | -            | _            | -                     | -                                      | _                             | -  |
| 6  | SOUTHWEST AIRLINES   | USA         | 8,089                               | 26.8%             | 50.5%             | 309                                | -            | +++          | +                     | ++                                     | -                             | +++                                      |
| 7  | ACCOR                | France      | 8,806                               | 26.1%             | -9.6%             | 236                                | ++           | ++           | +                     | +                                      | +                             | +  |
| 8  | PREUSSAG             | Germany     | 9,285                               | 22.5%             | -36.2%            | 61                                 | +++          | -            | -                     | -                                      | +++                           | -  |
| 9  | SINGAPORE AIRLINES   | Singapore   | 14,279                              | 20.9%             | -11.7%            | 421                                | ++           | ++           | +                     | ++                                     | +                             | +  |
| 10 | LUFTHANSA            | Germany     | 8,790                               | 20.8%             | 2.6%              | 156                                | +            | +++          | -                     | -                                      | +                             | +  |

NM: Not Meaningful (1) In Million (2) CVA1999 - CVA1994

(3) CFROI1999 - CFROI1994

(4) Cash Flow Margin<sup>1999</sup> - Cash Flow Margin<sup>11084</sup>
(5) Asset Productivity<sup>1999</sup> - Asset Productivity<sup>1994</sup>
(6) Gross Investment<sup>1999</sup> / Gross Investment<sup>1994</sup>

# UTILITIES

|    |                         |         | Market<br>Value                      |                   | TSR<br>01.01.00 - | ∆CVA                                | Value Dr     | iven By      | Fu                  | Relative Im                           | portance of<br>Value Drive | rs                                     |
|----|-------------------------|---------|--------------------------------------|-------------------|-------------------|-------------------------------------|--------------|--------------|---------------------|---------------------------------------|----------------------------|--|
| Rk | Company                 | Country | (in US\$) <sup>(1)</sup><br>31.12.99 | TSR p.a.<br>95-99 | 30.09.00          | (in US\$) <sup>(1,2)</sup><br>95-99 | Expectations | Fundamentals | ∆CFROI <sup>®</sup> | ∆Cash-<br>Flow<br>Margin <sup>"</sup> | ∆Asset<br>Productivity     | Gross<br>Invest<br>Growth <sup>®</sup> |
| 1  | AES                     | USA     | 15,341                               | 50.3%             | 83.3%             | 220                                 | +            | +++          | -                   | -                                     | -                          | +++                                    |
| 2  | UNION FENOSA            | Spain   | 5,268                                | 44.7%             | 19.8%             | 724                                 | -            | +++          | +                   | ++                                    | +                          | +                                      |
| З  | COLUMBIA ENERGY GROUP   | USA     | 5,158                                | 33.7%             | 13.4%             | 223                                 | ++           | ++           | +                   | ++                                    | -                          | +                                      |
| 4  | GAS NATURAL             | Spain   | 10,212                               | 33.1%             | -16.6%            | 386                                 | -            | +++          | -                   | +                                     | -                          | +++                                    |
| 5  | WILLIAMS COMPANIES INC. | USA     | 13,212                               | 32.6%             | 39.7%             | 513                                 | -            | +++          | -                   | -                                     | +                          | +++                                    |
| 6  | IBERDROLA               | Spain   | 12,371                               | 27.3%             | 7.9%              | 1,863                               | -            | +++          | +                   | +                                     | +                          | -                                      |
| 7  | ENRON                   | USA     | 31,578                               | 26.3%             | 98.5%             | 959                                 | ++           | ++           | ++                  | -                                     | +++                        | ++                                     |
| 8  | COASTAL                 | USA     | 7,515                                | 23.5%             | 109.9%            | 423                                 | -            | +++          | +                   | ++                                    | -                          | +                                      |
| 9  | ELECTRABEL*             | Belgium | 17,654                               | 23.3%             | -23.4%            | 1,005                               | ++           | ++           | -                   | -                                     | -                          | +                                      |
| 10 | EDISON                  | Italy   | 5,147                                | 19.6%             | 38.9%             | 236                                 | -            | +++          | +                   | -                                     | +                          | +++                                    |

\*: Period analysed: 1995-1998

(4) Cash Flow Margin<sub>1999</sub> - Cash Flow Margin<sub>1999</sub>
(5) Asset Productivity<sub>1999</sub> - Asset Productivity<sub>1994</sub> (2) CVA1999 - CVA1994

(3) CFROI1999 - CFROI1994 (6) Gross Investment 1999 / Gross Investment 1994

NM: Not Meaningful (1) In Million

# **Top 10 Performers by Country**

AUSTRALIA

| mpany            | Industry  | $(-100)^{(1)}$   |   |  | ACVA   |   |  | Fu   | Indamenta   | Value Drive  | rs   |
|------------------|---|--|---|--|--|---|--|--|---|--|--|
|                  |   | (in US\$)<br>31.12.99  | TSR p.a.<br>95-99   | 30.09.00   | (in US\$) <sup>(1,2)</sup><br>95-99  | Expectations  | Fundamentals   | ∆CFROI <sup>®</sup>  | ∆Cash-<br>Flow<br>Margin <sup>"</sup>   | ∆Asset (5)<br>Productivity   | Gross<br>Invest<br>Growth <sup>(6)</sup>   |
| /IPUTERSHARE     | ITC   | 2,591  | 110.9%  | 11.5%  | 0  | +++   | +  | -  | -   | -  | +++  |
|                  | congl   | 1,872  | 58.8%   | 59.8%  | 18   | +++   | +  | ++   | ++  | ++   | ++   |
| VEY NORMAN       | retail  | 1,923  | 44.6%   | 41.6%  | 36   | ++  | ++   | +  | -   | +  | +++  |
| STFIELD          | services  | 3,224  | 42.6%   | 31.5%  | 52   | +++   | +  | +++  | -   | +++  | +  |
| CORP             | services  | 2,479  | 41.4%   | -3.4%  | 69   | +++   | +  | ++   | ++  | ++   | ++   |
| MONWEALTH BANK   | banks   | 15,360   | 35.9%   | 10.4%  | 543  | ++  | ++   | +++  | NM  | NM   | +  |
| L.& BROADCASTING | media   | 4,209  | 35.1%   | 16.4%  | 260  | -   | +++  | +  | -   | -  | +++  |
| ì                | ind/eng   | 1,128  | 34.0%   | 3.5%   | -6   | +++   | +  | -  | -   | -  | +++  |
| FISH AM.TOBACCO  | consumer  | 1,368  | 32.2%   | -17.6%   | 37   | ++  | ++   | ++   | -   | +++  | +  |
| MBLES            | services  | 6,236  | 31.8%   | 16.1%  | 217  | ++  | ++   | ++   | +   | ++   | +  |
|                  | IPUTERSHARE<br>VEY NORMAN<br>ITFIELD<br>CORP<br>MONWEALTH BANK<br>L.& BROADCASTING<br>ISH AM.TOBACCO<br>MBLES | APUTERSHARE ITC<br>congl<br>VEY NORMAN retail<br>TFIELD services<br>CORP services<br>MONWEALTH BANK banks<br>L& BROADCASTING media<br>ind/eng<br>ISH AM.TOBACCO consumer<br>MBLES services | IPUTERSHAREITC2,591congl1,872VEY NORMANretail1,923STFIELDservices3,224CORPservices2,479MONWEALTH BANKbanks15,360L.& BROADCASTINGmedia4,209ind/eng1,128ISH AM.TOBACCOconsumer1,368MBLESservices6,236 | 31.12.99         95-99           IPUTERSHARE         ITC         2,591         110.9%           congl         1,872         58.8%           VEY NORMAN         retail         1,923         44.6%           ITFIELD         services         3,224         42.6%           CORP         services         2,479         41.4%           MONWEALTH BANK         banks         15,360         35.9%           L.& BROADCASTING         media         4,209         35.1%           ind/eng         1,128         34.0%           ISH AM.TOBACCO         consumer         1,368         32.2%           MBLES         services         6,236         31.8% | 31.12.99         95-99           IPUTERSHARE         ITC         2,591         110.9%         11.5%           congl         1,872         58.8%         59.8%           VEY NORMAN         retail         1,923         44.6%         41.6%           XTFIELD         services         3,224         42.6%         31.5%           CORP         services         2,479         41.4%         -3.4%           MONWEALTH BANK         banks         15,360         35.9%         10.4%           L.& BROADCASTING         media         4,209         35.1%         16.4%           ind/eng         1,128         34.0%         3.5%           ISH AM.TOBACCO         consumer         1,368         32.2%         -17.6%           MBLES         services         6,236         31.8%         16.1% | IPUTERSHARE         ITC         2,591         110.9%         11.5%         0           congl         1,872         58.8%         59.8%         18           VEY NORMAN         retail         1,923         44.6%         41.6%         36           XEY NORMAN         retail         1,923         44.6%         41.6%         36           STFIELD         services         3,224         42.6%         31.5%         52           CORP         services         2,479         41.4%         -3.4%         69           IMONWEALTH BANK         banks         15,360         35.9%         10.4%         543           L.& BROADCASTING         media         4,209         35.1%         16.4%         260           ind/eng         1,128         34.0%         3.5%         -6           ISH AM.TOBACCO         consumer         1,368         32.2%         -17.6%         37           MBLES         services         6,236         31.8%         16.1%         217 | IPUTERSHARE         ITC         2,591         110.9%         11.5%         0         +++           congl         1,872         58.8%         59.8%         18         +++           VEY NORMAN         retail         1,923         44.6%         41.6%         36         +++           XEY NORMAN         retail         1,923         44.6%         41.6%         36         +++           XETFIELD         services         3,224         42.6%         31.5%         52         +++           CORP         services         2,479         41.4%         -3.4%         69         +++           MONWEALTH BANK         banks         15,360         35.9%         10.4%         543         +++           L.& BROADCASTING         media         4,209         35.1%         16.4%         260         -           ind/eng         1,128         34.0%         3.5%         -6         ++++           ISH AM.TOBACCO         consumer         1,368         32.2%         -17.6%         37         +++           MBLES         services         6,236         31.8%         16.1%         217         +++ | IPUTERSHARE         ITC         2,591         110.9%         11.5%         0         +++         +           congl         1,872         58.8%         59.8%         18         +++         +           VEY NORMAN         retail         1,923         44.6%         41.6%         36         +++         +           VEY NORMAN         retail         1,923         44.6%         41.6%         36         +++         +           STFIELD         services         3,224         42.6%         31.5%         52         +++         +           CORP         services         2,479         41.4%         -3.4%         69         +++         +           MONWEALTH BANK         banks         15,360         35.9%         10.4%         543         ++         ++           L& BROADCASTING         media         4,209         35.1%         16.4%         260         -         ++++           ISH AM.TOBACCO         consumer         1,368         32.2%         -17.6%         37         +++         ++           MBLES         services         6,236         31.8%         16.1%         217         +++         ++ | IPUTERSHARE         ITC         2,591         110.9%         11.5%         0         +++         +         -           congl         1,872         58.8%         59.8%         18         +++         < | IPUTERSHARE         ITC         2,591         110.9%         11.5%         0         +++         +         -         -           IPUTERSHARE         ITC         2,591         110.9%         11.5%         0         ++++         +         -         -           IPUTERSHARE         ITC         2,591         110.9%         11.5%         0         ++++         +         ++++         +++         +++         +++< | IPUTERSHARE         ITC         2,591         110.9%         11.5%         0         +++         +         -         -         -           IPUTERSHARE         ITC         2,591         110.9%         11.5%         0         +++         +         +         -         -         -           IPUTERSHARE         ITC         2,591         110.9%         11.5%         0         +++         + |

NM: Not Meaningful (1) In Million (2) CVA1999 - CVA1994 (3) CFROI1999 - CFROI1994

(4) Cash Flow Margin<sup>11009</sup> - Cash Flow Margin<sup>11094</sup>
(5) Asset Productivity<sup>1009</sup> - Asset Productivity<sup>11094</sup>
(6) Gross Investment<sup>11009</sup> / Gross Investment<sup>11094</sup>

For banks and insurance companies the following expressions need to be replaced: CVA => AVF

| CVA              | => | AVE            |
|------------------|----|----------------|
| ΔCVA             | => | DAVE           |
| Gross Investment | => | Equity         |
| CFROI            | => | RROE           |
| WACC             | => | Cost of Equity |
|                  |    |                |

# **AUSTRIA**

|    |                        |             | Market<br>Value                      |                   | TSR<br>01.01.00 - |                                     | Value Dr     | iven By      | Fu                  | Relative Im<br>Indamenta               | nportance of<br>I Value Drive | rs                                     |
|----|------------------------|-------------|--------------------------------------|-------------------|-------------------|-------------------------------------|--------------|--------------|---------------------|--|-------------------------------|--|
| Rk | Company                | Industry    | (in US\$) <sup>(1)</sup><br>31.12.99 | TSR p.a.<br>95-99 | 30.09.00          | (in US\$) <sup>(1,2)</sup><br>95-99 | Expectations | Fundamentals | ∆CFROI <sup>®</sup> | ∆Cash-<br>Flow<br>Margin <sup>44</sup> | ∆Asset<br>Productivity        | Gross<br>Invest<br>Growth <sup>®</sup> |
| 1  | SEMPERIT               | congl       | 226                                  | 50.9%             | 15.2%             | 25                                  | -            | +++          | ++                  | ++                                     | +                             | ++                                     |
| 2  | ÖST.ELEKTRIZITÄTSWIRTS | congl       | 2,101                                | 26.7%             | -23.7%            | -168                                | +++          | -            | -                   | -                                      | -                             | -                                      |
| 3  | UNIQA                  | insur/assur | 2                                    | 19.2%             | -19.8%            | 289                                 | +++          | -            | ++                  | NM                                     | NM                            | ++                                     |
| 4  | EVN                    | utilities   | 1,705                                | 13.4%             | -34.9%            | -2                                  | ++           | ++           | -                   | -                                      | -                             | +                                      |
| 5  | WIENER SAV AG          | insur/assur | 151                                  | 12.5%             | 2.0%              | -7                                  | +++          | +            | -                   | NM                                     | NM                            | ++                                     |
| 6  | OMV                    | congl       | 2,598                                | 9.3%              | -12.9%            | 402                                 | -            | +++          | +                   | ++                                     | +                             | -                                      |
| 7  | AUSTRIAN AIRLINES      | TTT         | 637                                  | 5.4%              | -30.8%            | 21                                  | +            | +++          | +                   | ++                                     | +                             | ++                                     |
| 8  | BWT                    | utilities   | 220                                  | 3.5%              | 196.6%            | 3                                   | -            | +++          | -                   | -                                      | -                             | +++                                    |
| 9  | FLUGHAFEN WIEN         | services    | 569                                  | 3.2%              | 24.2%             | 25                                  | -            | +++          | +                   | ++                                     | -                             | ++                                     |
| 10 | RHI                    | ind goods   | 568                                  | 2.8%              | -10.5%            | 22                                  | -            | +++          | +                   | -                                      | +                             | +++                                    |

#### NM: Not Meaningful (1) In Million (2) CVA<sub>1999</sub> - CVA<sub>1994</sub> (3) CFROI<sub>1999</sub> - CFROI<sub>1994</sub>

(4) Cash Flow Margin<sup>1999</sup> - Cash Flow Margin<sup>1994</sup>
(5) Asset Productivity<sup>1999</sup> - Asset Productivity<sup>1994</sup>
(6) Gross Investment<sup>1994</sup> / Gross Investment<sup>1994</sup>

For banks and insurance companies the following expressions need to be replaced: CVA => AVE  $\Delta CVA$  => DAVE

| ΔCVA             | => | DAVE           |
|------------------|----|----------------|
| Gross Investment | => | Equity         |
| CFROI            | => | RROE           |
| WACC             | => | Cost of Equity |

# BELGIUM

| Rk |             | Market<br>Value |                                     | Market<br>Value   | TSR<br>01.01.00 - |                    | Value Dr     | iven By      | Relative Importance of<br>Fundamental Value Drivers |  |                        |   |  |
|----|-------------|-----------------|-------------------------------------|-------------------|-------------------|--------------------|--------------|--------------|---|--|------------------------|---|--|
|    | Company     | Industry        | (in US\$) <sup>55</sup><br>31.12.99 | TSR p.a.<br>95-99 | 30.09.00          | (in US\$)<br>95-99 | Expectations | Fundamentals | ∆CFROI <sup>®</sup>                                 | ∆Cash-<br>Flow<br>Margin <sup>49</sup> | ∆Asset<br>Productivity | Gross<br>Invest<br>Growth <sup>69</sup> |  |
| 1  | TELINFO     | ITC             | 952                                 | 62.9%             | 17.0%             | 8                  | +++          | +            | +   | -                                      | ++                     | +++                                     |  |
| 2  | D'IETEREN   | services        | 2,243                               | 51.1%             | -35.0%            | 174                | -            | +++          | ++  | ++                                     | -                      | +++                                     |  |
| 3  | CREYFS      | services        | 509                                 | 50.2%             | 31.0%             | 29                 | -            | +++          | -   | ++                                     | -                      | +++                                     |  |
| 4  | UCB         | pharm/health    | 6,265                               | 49.2%             | -7.6%             | 160                | +++          | +            | ++  | ++                                     | +                      | ++                                      |  |
| 5  | FORTIS      | insur/assur     | 25,634                              | 40.3%             | -0.8%             | 644                | +            | +++          | ++  | NM                                     | NM                     | +++                                     |  |
| 6  | KBC         | banks           | 15,860                              | 29.1%             | -9.4%             | 557                | ++           | ++           | +++   | NM                                     | NM                     | +++                                     |  |
| 7  | COLRUYT     | retail          | 2,220                               | 26.6%             | -19.5%            | 38                 | +++          | +            | ++  | -                                      | +++                    | +                                       |  |
| 8  | ELECTRABEL* | utilities       | 17,654                              | 23.3%             | -23.9%            | 1,005              | ++           | ++           | -   | -                                      | -                      | +                                       |  |
| 9  | SOLVAY      | chemicals       | 6,886                               | 20.3%             | -16.2%            | 658                | -            | +++          | +   | ++                                     | +                      | +                                       |  |
| 10 | DELHAIZE    | retail          | 3,880                               | 20.2%             | -27.5%            | 306                | -            | +++          | +   | +                                      | -                      | +++                                     |  |

WACC

\*: Period analysed: 1995-1998

- NM: Not Meaningful (1) In Million
- (2) CVA1999 CVA1994 (3) CFROI1999 - CFROI1994

(4) Cash Flow Margin<sup>1999</sup> - Cash Flow Margin<sup>1994</sup>
(5) Asset Productivity<sup>1999</sup> - Asset Productivity<sup>1994</sup>
(6) Gross Investment<sup>1994</sup> / Gross Investment<sup>1994</sup>

For banks and insurance companies the following expressions need to be replaced:

|                  | i ol ballito alla libara los companios dio lonotin |        |  |  |  |  |  |  |  |  |
|------------------|--|--------|--|--|--|--|--|--|--|--|
| CVA              | =>   | AVE    |  |  |  |  |  |  |  |  |
| $\Delta CVA$     | =>   | DAVE   |  |  |  |  |  |  |  |  |
| Gross Investment | =>   | Equity |  |  |  |  |  |  |  |  |
| CFROI            | =>   | RROE   |  |  |  |  |  |  |  |  |

=> Cost of Equity

# CANADA

# **Top 10 Performers by Country**

| Rk | Compony             |             | Market<br>Value          |                   | TSR<br>01.01.00 - |                                     | Value Dr     | iven By      | Fu                    | Relative Im<br>Indamenta              | portance of<br>Value Drive | rs                                     |
|----|---------------------|-------------|--------------------------|-------------------|-------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------------------------|----------------------------|--|
|    | Company             | Industry    | (in US\$) <sup>`''</sup> | TSR p.a.<br>95-99 | 30.09.00          | (in US\$) <sup>(1,2)</sup><br>95-99 | Expectations | Fundamentals | ∆CFROI <sup>(3)</sup> | ∆Cash-<br>Flow<br>Margin <sup>⊛</sup> | ∆Asset<br>Productivity     | Gross<br>Invest<br>Growth <sup>®</sup> |
| 1  | NORTEL NETWORKS     | ITC         | 136,264                  | 66.9%             | 24.0%             | -680                                | +++          | +            | -                     | -                                     | ++                         | +++                                    |
| 2  | ONEX                | services    | 2,929                    | 54.2%             | -8.8%             | 393                                 | -            | +++          | +++                   | ++                                    | ++                         | +++                                    |
| З  | BCE                 | ITC         | 57,741                   | 46.2%             | 10.6%             | -2                                  | +++          | +            | -                     | ++                                    | -                          | -                                      |
| 4  | SEARS CANADA        | retail      | 2,900                    | 41.6%             | -14.5%            | 125                                 | ++           | ++           | ++                    | +                                     | ++                         | -                                      |
| 5  | BOMBARDIER          | ind goods   | 10,257                   | 38.1%             | 76.2%             | 213                                 | ++           | ++           | -                     | +                                     | -                          | +++                                    |
| 6  | SHAW COMMUNICATIONS | media       | 2,496                    | 37.3%             | 44.9%             | 5                                   | +++          | +            | -                     | -                                     | -                          | +++                                    |
| 7  | FOUR SEASONS        | services    | 1,578                    | 36.9%             | 45.7%             | 42                                  | +++          | +            | +++                   | +++                                   | ++                         | -                                      |
| 8  | GREAT WEST LIFECO   | insur/assur | 5,981                    | 36.9%             | 32.9%             | 325                                 | ++           | ++           | ++                    | NM                                    | NM                         | ++                                     |
| 9  | LOBLAW              | retail      | 6,627                    | 35.8%             | 27.5%             | 268                                 | +            | +++          | ++                    | +                                     | ++                         | ++                                     |
| 10 | TORONTO-DOMINION    | banks       | 16,442                   | 33.5%             | 16.2%             | 47                                  | ++           | ++           | -                     | NM                                    | NM                         | +++                                    |

#### NM: Not Meaningful (1) In Million

(2) CVA1999 - CVA1994 (3) CFROI1999 - CFROI1994 (4) Cash Flow Margin<sup>1990</sup> - Cash Flow Margin<sup>1994</sup>
(5) Asset Productivity<sup>1999</sup> - Asset Productivity<sup>1994</sup>
(6) Gross Investment<sup>1999</sup> / Gross Investment<sup>1998</sup>

For banks and insurance companies the following expressions need to be replaced: CVA

Equity

| CVA              | => | AVE     |
|------------------|----|---------|
| $\Delta CVA$     | => | DAVE    |
| Gross Investment | => | Equity  |
| CFROI            | => | RROE    |
| WACC             | => | Cost of |
|                  |    |         |

# DENMARK

| Rk |                 |              | Market<br>Value          |                   | TSR<br>01.01.00 - |                                     | Value Driven By |              | Fu  | Relative Im<br>Indamenta              | portance of<br>Value Drive          | rs                                     |
|----|-----------------|--------------|--------------------------|-------------------|-------------------|-------------------------------------|-----------------|--------------|-----|---------------------------------------|-------------------------------------|--|
| Rk | Company         | Industry     | (in US\$) <sup>(1)</sup> | TSR p.a.<br>95-99 | 30.09.00          | (in US\$) <sup>(1,2)</sup><br>95-99 | Expectations    | Fundamentals |     | ∆Cash-<br>Flow<br>Margin <sup>"</sup> | ∆Asset<br>Productivity <sup>®</sup> | Gross<br>Invest<br>Growth <sup>®</sup> |
| 1  | TELEDANMARK     | ITC          | 15,951                   | 33.0%             | -13.7%            | 215                                 | ++              | ++           | +   | -                                     | +                                   | +++                                    |
| 2  | GN STORE NORD   | ITC          | 1,890                    | 31.8%             | 242.2%            | 9                                   | +++             | +            | +   | -                                     | ++                                  | +++                                    |
| З  | D/S 1912        | services     | 6,285                    | 30.8%             | 6.7%              | _                                   | _               | -            | _   | -                                     | -                                   | _                                      |
| 4  | D/S SVENDBORG   | services     | 6,136                    | 30.2%             | 1.8%              | _                                   | _               | _            | _   | _                                     | _                                   | _                                      |
| 5  | NOVO NORDISK    | pharm/health | 8,439                    | 28.7%             | 92.5%             | 145                                 | ++              | ++           | +   | ++                                    | +                                   | ++                                     |
| 6  | ISS             | services     | 2,283                    | 25.4%             | 4.9%              | 104                                 | -               | ++++         | +   | +                                     | -                                   | +++                                    |
| 7  | DEN DANSKE BANK | banks        | 5,735                    | 23.3%             | 35.5%             | 60                                  | +++             | +            | +++ | NM                                    | NM                                  | ++                                     |
| 8  | COLOPLAST       | pharm/health | 1,043                    | 23.0%             | -0.2%             | 22                                  | +               | +++          | ++  | +                                     | -                                   | +++                                    |
| 9  | JYSKE BANK      | banks        | 824                      | 19.4%             | 2.3%              | 11                                  | ++              | ++           | +++ | NM                                    | NM                                  | +++                                    |
| 10 | TK DEVELOPMENT* | ind goods    | 230                      | 16.9%             | 127.7%            | 2                                   | +++             | -            | +   | ++                                    | ++                                  | +++                                    |

\*: Period analysed: 1995-1998 NM: Not Meaningful (1) In Million (2) CVA1999 - CVA1994 (3) CFROI1999 - CFROI1994

(4) Cash Flow Margin1999 - Cash Flow Margin1994 (5) Asset Productivity<sup>1999</sup> - Asset Productivity<sup>1994</sup>
(6) Gross Investment<sup>1999</sup> / Gross Investment<sup>1994</sup>

For banks and insurance companies the following expressions need to be replaced: CVA AVE =>  $\Delta \text{CVA}$ => DAVE Gross Investment => Equity CFROI => RROE Cost of Equity WACC =>

# FINLAND

| Rk | Compone         |             | Market<br>Value                      |                   | TSR<br>01.01.00 - | ∆ <b>CVA</b>         | Value Dr     | riven By     | Fu                  | Relative Im<br>Indamenta               | portance of<br>Value Drive | ers                                     |
|----|-----------------|-------------|--------------------------------------|-------------------|-------------------|----------------------|--------------|--------------|---------------------|--|----------------------------|---|
| Rk | Company         | Industry    | (in US\$) <sup>`''</sup><br>31.12.99 | TSR p.a.<br>95-99 | 30.09.00          | (in US\$)``<br>95-99 | Expectations | Fundamentals | ∆CFROI <sup>®</sup> | ∆Cash-<br>Flow<br>Margin <sup>44</sup> | ∆Asset<br>Productivity     | Gross<br>Invest<br>Growth <sup>69</sup> |
| 1  | TIETOENATOR     | ITC         | 4,758                                | 101.7%            | -48.0%            | 24                   | +++          | +            | -                   | -                                      | ++                         | +++                                     |
| 2  | NOKIA           | ITC         | 206,325                              | 92.1%             | 2.4%              | 2,146                | +++          | +            | +++                 | ++                                     | +++                        | +++                                     |
| 3  | POHJOLA YHTYMA  | insur/assur | 1,284                                | 50.6%             | -26.2%            | 309                  | -            | +++          | +++                 | NM                                     | NM                         | +++                                     |
| 4  | HARTWALL        | consumer    | 763                                  | 47.7%             | 50.7%             | 31                   | +            | ++++         | ++                  | +++                                    | +                          | +++                                     |
| 5  | SANOMA-WSOY     | media       | 1,545                                | 36.1%             | 27.1%             | 29                   | +            | +++          | ++                  | -                                      | ++                         | +++                                     |
| 6  | SAMPO INSURANCE | insur/assur | 2,096                                | 33.2%             | 62.0%             | 42                   | ++           | ++           | +++                 | NM                                     | NM                         | +++                                     |
| 7  | RAISIO YHTYMA   | consumer    | 504                                  | 30.1%             | -50.2%            | -5                   | ++           | ++           | -                   | -                                      | -                          | +++                                     |
| 8  | UPM-KYMMENE     | ind goods   | 10,633                               | 28.2%             | -25.7%            | 456                  | -            | +++          | +                   | +                                      | +                          | +++                                     |
| 9  | ASKO            | congl       | 680                                  | 27.6%             | 11.9%             | 39                   | -            | ++++         | +                   | -                                      | +                          | -                                       |
| 10 | STORA ENSO      | ind goods   | 3,667                                | 25.9%             | -44.9%            | 481                  | -            | +++          | -                   | -                                      | -                          | +++                                     |

NM: Not Meaningful

(1) In Million
 (2) CVA<sub>1999</sub> - CVA<sub>1994</sub>
 (3) CFROI<sub>1999</sub> - CFROI<sub>1994</sub>

(4) Cash Flow Margin<sup>1999</sup> - Cash Flow Margin<sup>1994</sup>
(5) Asset Productivity<sup>1999</sup> - Asset Productivity<sup>1994</sup>
(6) Gross Investment<sup>1999</sup> / Gross Investment<sup>1994</sup>

For banks and insurance companies the following expressions need to be replaced: CVA

| => | AVE                  |
|----|----------------------|
| => | DAVE                 |
| => | Equity               |
| => | RROE                 |
| => | Cost of Equi         |
|    | =><br>=><br>=><br>=> |

# **Top 10 Performers by Country**

FRANCE

|    | Company              |           | Market<br>Value                      | Market<br>Value<br>n US\$) <sup>(1)</sup> TSR p.a.<br>11.12.99 95-99 | TSR<br>01.01.00 -<br>SR p.a. 30.09.00 | SR<br>1.00 - ∆CVA                   | Value Dr     | iven By      | Relative Importance of<br>Fundamental Value Drivers |  |                        |  |  |
|----|----------------------|-----------|--------------------------------------|--|---------------------------------------|-------------------------------------|--------------|--------------|---|--|------------------------|--|--|
| Rk | Company              | Industry  | (in US\$) <sup>(1)</sup><br>31.12.99 |  |                                       | (in US\$) <sup>(1,2)</sup><br>95-99 | Expectations | Fundamentals | ∆CFROI <sup>(3)</sup>                               | ∆Cash-<br>Flow<br>Margin <sup>44</sup> | ∆Asset<br>Productivity | Gross<br>Invest<br>Growth <sup>(6)</sup> |  |
| 1  | ALTRAN TECHNOLOGIES  | services  | 5,870                                | 101.6%   | 19.8%                                 | 50                                  | +++          | +            | ++  | +                                      | ++                     | +++                                      |  |
| 2  | M6-METROPOLE         | media     | 6,467                                | 64.8%  | 16.2%                                 | 76                                  | +++          | +            | +++   | -                                      | +++                    | ++                                       |  |
| 3  | CAP GEMINI           | ITC       | 19,467                               | 59.4%  | -14.8%                                | 201                                 | +++          | +            | +++   | ++                                     | ++                     | +++                                      |  |
| 4  | PINAULT PRINTEMPS    | retail    | 31,069                               | 58.4%  | -23%                                  | 560                                 | +++          | +            | ++  | ++                                     | ++                     | ++                                       |  |
| 5  | BOUYGUES             | ind goods | 18,152                               | 57.7%  | -8.1%                                 | 53                                  | +++          | +            | -   | +                                      | -                      | +++                                      |  |
| 6  | TF1                  | media     | 10,951                               | 53.1%  | 26.2%                                 | 115                                 | +++          | +            | +++   | ++                                     | +                      | ++                                       |  |
| 7  | CASINO GUICHARD      | retail    | 8,493                                | 41.5%  | -4.2%                                 | 191                                 | ++           | ++           | ++  | +                                      | -                      | +++                                      |  |
| 8  | L'OREAL              | consumer  | 53,698                               | 40.9%  | 11.1%                                 | 298                                 | +++          | +            | ++  | -                                      | ++                     | +  |  |
| 9  | HERMES INTERNATIONAL | consumer  | 5,499                                | 39.7%  | 9.2%                                  | 49                                  | +++          | +            | -   | +                                      | -                      | +++                                      |  |
| 10 | CARREFOUR            | retail    | 62,536                               | 39.1%  | -7.7%                                 | 510                                 | ++           | ++           | -   | +                                      | -                      | +++                                      |  |

NM: Not Meaningful (1) In Million (2) CVA1999 - CVA1994 (3) CFROI1999 - CFROI1994

(4) Cash Flow Margin<sup>1990</sup> - Cash Flow Margin<sup>1994</sup>
(5) Asset Productivity<sup>1990</sup> - Asset Productivity<sup>1994</sup>
(6) Gross Investment<sup>1999</sup> / Gross Investment<sup>1994</sup>

For banks and insurance companies the following expressions need to be replaced: CVA => AVF

| CVA              | => | AVE            |
|------------------|----|----------------|
| ΔCVA             | => | DAVE           |
| Gross Investment | => | Equity         |
| CFROI            | => | RROE           |
| WACC             | => | Cost of Equity |
|                  |    |                |

## GERMANY

|    | Company Indi  |             | Market<br>Value                     |                   | TSR<br>01.01.00 - |                                     | Value Dr     | iven By      | Fu                  | Relative Im<br>Indamenta               | nportance of<br>I Value Drive | rs                                     |
|----|---------------|-------------|-------------------------------------|-------------------|-------------------|-------------------------------------|--------------|--------------|---------------------|--|-------------------------------|--|
| Rk |               | Industry    | (in US\$) <sup>°°</sup><br>31.12.99 | TSR p.a.<br>95-99 | 30.09.00          | (in US\$) <sup>(1,2)</sup><br>95-99 | Expectations | Fundamentals | ∆CFROI <sup>®</sup> | ∆Cash-<br>Flow<br>Margin <sup>44</sup> | ∆Asset<br>Productivity        | Gross<br>Invest<br>Growth <sup>®</sup> |
| 1  | MLP           | services    | 5,538                               | 86.5%             | 126.5%            | 227                                 | -            | +++          | +++                 | +++                                    | -                             | +++                                    |
| 2  | SAP           | ITC         | 55,724                              | 68.7%             | 39.8%             | 310                                 | +++          | +            | ++                  | -                                      | +++                           | +++                                    |
| 3  | MANNESMANN    | congl       | 117,723                             | 63.5%             | -31.4%            | 2,022                               | +++          | +            | ++                  | ++                                     | +                             | ++                                     |
| 4  | SIEMENS       | congl       | 74,911                              | 32.7%             | 16.0%             | 1,385                               | ++           | ++           | ++                  | +                                      | +                             | ++                                     |
| 5  | MÜNCHNER RÜCK | insur/assur | 44,272                              | 30.2%             | 34.0%             | -155                                | +++          | +            | ++                  | NM                                     | NM                            | +++                                    |
| 6  | BASF          | chemicals   | 31,893                              | 29.2%             | -19.6%            | 1,031                               | -            | +++          | +                   | ++                                     | -                             | ++                                     |
| 7  | DRESDNER BANK | banks       | 27,910                              | 24.5%             | -6.6%             | 508                                 | ++           | ++           | ++                  | NM                                     | NM                            | ++                                     |
| 8  | BAYER         | chemicals   | 34,230                              | 23.9%             | -8.2%             | 680                                 | ++           | ++           | -                   | -                                      | +                             | -                                      |
| 9  | ALLIANZ       | insur/assur | 81,569                              | 23.3%             | 11.8%             | 301                                 | ++           | ++           | ++                  | NM                                     | NM                            | +++                                    |
| 10 | PREUSSAG      | ΠΤ          | 9,285                               | 22.5%             | -36.2%            | 61                                  | +++          | -            | -                   | -                                      | +++                           | -                                      |

NM: Not Meaningful (1) In Million (2) CVA1999 - CVA1994 (3) CFROI1999 - CFROI1994

(4) Cash Flow Margin<sup>1999</sup> - Cash Flow Margin<sup>1994</sup>
(5) Asset Productivity<sup>1999</sup> - Asset Productivity<sup>1994</sup>
(6) Gross Investment<sup>1999</sup> / Gross Investment<sup>1994</sup>

# ITALY

| Rk | 0                       | Market<br>Value |                                      | Market<br>Value   | TSR<br>01.01.00 - |                                     | Value Dr     | iven By      | Fu                  | ers                                    |                                    |  |
|----|-------------------------|-----------------|--------------------------------------|-------------------|-------------------|-------------------------------------|--------------|--------------|---------------------|--|------------------------------------|--|
|    | Company                 | Industry        | (in US\$) <sup>(1)</sup><br>31.12.99 | TSR p.a.<br>95-99 | 30.09.00          | (in US\$) <sup>(1,2)</sup><br>95-99 | Expectations | Fundamentals | ∆CFROI <sup>®</sup> | ∆Cash-<br>Flow<br>Margin <sup>49</sup> | $\Delta Asset$ (5)<br>Productivity | Gross<br>Invest<br>Growth <sup>®</sup> |
| 1  | BIPOP CARIRE            | banks           | 14,157                               | 87.1%             | 16.7%             | 180                                 | +++          | +            | +++                 | NM                                     | NM                                 | +++                                    |
| 2  | GRUPPO EDIT. L'ESPRESSO | media           | 4,889                                | 81.9%             | 19.6%             | 58                                  | +++          | +            | ++                  | ++                                     | +                                  | ++                                     |
| 3  | BANCA FIDEURAM          | banks           | 10,663                               | 68.6%             | 60.6%             | 119                                 | +++          | +            | +++                 | NM                                     | NM                                 | +++                                    |
| 4  | TELECOM ITALIA          | ITC             | 86,435                               | 46.5%             | -12.1%            | 4,783                               | +            | +++          | +                   | ++                                     | +                                  | +                                      |
| 5  | UNICREDITO ITALIANO     | banks           | 24,110                               | 43.6%             | 24.5%             | 1,154                               | +            | +++          | +++                 | NM                                     | NM                                 | +++                                    |
| 6  | MONDADORI ED            | media           | 4,039                                | 42.6%             | -13.1%            | 64                                  | +++          | +            | +                   | -                                      | ++                                 | -                                      |
| 7  | BANCA INTESA            | banks           | 18,651                               | 36.7%             | 11.3%             | 316                                 | -            | +++          | ++                  | NM                                     | NM                                 | +++                                    |
| 8  | COMIT                   | banks           | 9,609                                | 28.6%             | 10.1%             | 414                                 | ++           | ++           | ++                  | NM                                     | NM                                 | +                                      |
| 9  | INA                     | insur/assur     | 10,500                               | 26.0%             | 2.5%              | 680                                 | ++           | ++           | ++                  | NM                                     | NM                                 | -                                      |
| 10 | SAN PAOLO IMI           | banks           | 18,863                               | 25.2%             | 41.1%             | 981                                 | -            | +++          | +++                 | NM                                     | NM                                 | ++                                     |

NM: Not Meaningful (1) In Million (2) CVA<sub>1999</sub> - CVA<sub>1994</sub> (3) CFROI<sub>1999</sub> - CFROI<sub>1994</sub>

(4) Cash Flow Margin<sub>1998</sub> - Cash Flow Margin<sub>1994</sub>
(5) Asset Productivity<sub>1994</sub> - Asset Productivity<sub>1944</sub>
(6) Gross Investment<sub>1999</sub> / Gross Investment<sub>1994</sub>

For banks and insurance companies the following expressions need to be replaced: CVA => AVE  $\Delta$ CVA => DAVE

| CVA              | => | AVE           |    |
|------------------|----|---------------|----|
| ΔCVA             | => | DAVE          |    |
| Gross Investment | => | Equity        |    |
| CFROI            | => | RROE          |    |
| WACC             | => | Cost of Equit | ίy |
|                  |    |               |    |

# JAPAN

# **Top 10 Performers by Country**

|    |                | Ma<br>Va   | Market<br>Value                      |                   | TSR<br>01.01.00 - | ∆CVA                                | Value Dr     | iven By      | Fu                  | Relative Im<br>Indamenta              | nportance of<br>I Value Drivers |  |  |  |
|----|----------------|------------|--------------------------------------|-------------------|-------------------|-------------------------------------|--------------|--------------|---------------------|---------------------------------------|---------------------------------|--|--|--|
| Rk | Company        | Industry   | (in US\$) <sup>(1)</sup><br>31.12.99 | TSR p.a.<br>95-99 | 30.09.00          | (in US\$) <sup>(1,2)</sup><br>95-99 | Expectations | Fundamentals | ∆CFROI <sup>®</sup> | ∆Cash-<br>Flow<br>Margin <sup>"</sup> | ∆Asset (5)<br>Productivity      | Gross<br>Invest<br>Growth <sup>®</sup> |  |  |
| 1  | SOFTBANK       | e-commerce | 104,552                              | 86.4%             | -69.0%            | -1,881                              | +++          | -            | -                   | -                                     | -                               | +++                                    |  |  |
| 2  | TRANS COSMOS   | ITC        | 10,328                               | 68.6%             | -71.8%            | _                                   | _            | _            | _                   | _                                     | _                               | _                                      |  |  |
| З  | KONAMI         | ITC        | 10,098                               | 67.6%             | -1.7%             | 169                                 | +++          | +            | +++                 | +++                                   | +++                             | +++                                    |  |  |
| 4  | TOKYO SEIMITSU | ind goods  | 6,030                                | 67.1%             | -31.4%            | 23                                  | +++          | +            | ++                  | ++                                    | +                               | +++                                    |  |  |
| 5  | BELLSYSTEM 24  | services   | 5,449                                | 64.0%             | -54.4%            | 22                                  | +++          | +            | +++                 | ++                                    | +++                             | +                                      |  |  |
| 6  | ADVANTEST      | ITC        | 26,193                               | 61.2%             | -37.0%            | 190                                 | +++          | +            | ++                  | +++                                   | ++                              | ++                                     |  |  |
| 7  | MATSUSHITA*    | ITC        | 49,433                               | 60.0%             | -45.8%            | 291                                 | +++          | +            | +++                 | ++                                    | +++                             | -                                      |  |  |
| 8  | ROHM           | ITC        | 49,081                               | 59.4%             | -30.5%            | 468                                 | +++          | +            | ++                  | +++                                   | +                               | ++                                     |  |  |
| 9  | FAST RETAILING | retail     | 10,731                               | 56.5%             | 6.2%              | 47                                  | +++          | +            | +++                 | ++                                    | +++                             | +++                                    |  |  |
| 10 | NIDEC          | ind goods  | 9,206                                | 56.1%             | -41.4%            | 90                                  | +++          | +            | +++                 | +++                                   | ++                              | +++                                    |  |  |

#### \*: Period analysed: 1995-1998

NM: Not Meaningful (1) In Million

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(2) CVA1999 - CVA1994
(3) CFROI1999 - CFROI1994
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(4) Cash Flow Margin1999 - Cash Flow Margin1994 (4) Casif Flow Watginiss
 (5) Asset Productivity<sub>1999</sub> - Asset Productivity<sub>1994</sub>
 (6) Gross Investment<sub>1999</sub> / Gross Investment<sub>1994</sub>

For banks and insurance companies the following expressions need to be replaced: CVA

| GVA              | => | AVE            |
|------------------|----|----------------|
| ΔCVA             | => | DAVE           |
| Gross Investment | => | Equity         |
| CFROI            | => | RROE           |
| WACC             | => | Cost of Equity |

## MEXICO

|    |           |          | Market<br>Value         |                   | TSR<br>01.01.00 - | ∆CVA                                | Value Dr     | Value Driven By |                       | Relative Im                            | portance of<br>Value Drive | rs                                     |
|----|-----------|----------|-------------------------|-------------------|-------------------|-------------------------------------|--------------|-----------------|-----------------------|--|----------------------------|--|
| Rk | Company   | Industry | (in US\$) <sup>10</sup> | TSR p.a.<br>95-99 | 30.09.00          | (in US\$) <sup>(1,2)</sup><br>95-99 | Expectations | Fundamentals    | ∆CFROI <sup>(3)</sup> | ∆Cash-<br>Flow<br>Margin <sup>49</sup> | ∆Asset<br>Productivity     | Gross<br>Invest<br>Growth <sup>®</sup> |
| 1  | SORIANA   | retail   | 2,739                   | 21.9%             | -20.3%            | 83                                  | ++           | ++              | ++                    | ++                                     | ++                         | ++                                     |
| 2  | FEMSA     | consumer | 2,880                   | 17.8%             | -12.6%            | 358                                 | -            | +++             | ++                    | ++                                     | +                          | +                                      |
| З  | TELMEX    | ITC      | 28,509                  | 14.1%             | -3.6%             | 279                                 | +++          | +               | +                     | ++                                     | +                          | +                                      |
| 4  | GMODELO   | consumer | 1,768                   | 9.1%              | -13.8%            | 27                                  | -            | +++             | +                     | ++                                     | -                          | ++                                     |
| 5  | KOF       | consumer | 2,400                   | 7.3%              | 14.2%             | 97                                  | ++           | ++              | ++                    | ++                                     | +                          | +                                      |
| 6  | CONTAL    | consumer | 1,082                   | 6.7%              | -14.0%            | 60                                  | ++           | ++              | ++                    | ++                                     | +                          | -                                      |
| 7  | TLEVISA   | media    | 7,580                   | 6.4%              | -14.8%            | 120                                 | +++          | +               | +                     | ++                                     | +                          | -                                      |
| 8  | LIVEPOL 1 | services | 2,222                   | 6.4%              | -10.2%            | 14                                  | +++          | +               | +                     | +                                      | +                          | -                                      |
| 9  | KIMBER    | consumer | 2,611                   | 6.4%              | -33.2%            | -2                                  | ++           | ++              | +                     | ++                                     | -                          | ++                                     |
| 10 | ALFA      | congl    | 2,743                   | 3.5%              | -54.0%            | 746                                 | -            | +++             | ++                    | +++                                    | +                          | +                                      |

#### NM: Not Meaningful (1) In Million (2) CVA1999 - CVA1994 (3) CFROI1999 - CFROI1994

(4) Cash Flow Margin1999 - Cash Flow Margin1994 (5) Asset Productivity1999 - Asset Productivity1994 (6) Gross Investment 1999 / Gross Investment 1994

For banks and insurance companies the following expressions need to be replaced: CVA AVE =>  $\Delta \text{CVA}$ => DAVE Gross Investment => Equity CFROI => RROE WACC Cost of Equity =>

# **NETHERLANDS**

|    |                     | Market<br>Value |                                      |                   | TSR<br>01.01.00 - |                                     | Value Dr     | iven By      | Relative Importance of<br>Fundamental Value Drivers |  |                          | rs                                       |
|----|---------------------|-----------------|--------------------------------------|-------------------|-------------------|-------------------------------------|--------------|--------------|---|--|--------------------------|--|
| Rk | Company             | Industry        | (in US\$) <sup>(1)</sup><br>31.12.99 | TSR p.a.<br>95-99 | 30.09.00          | (in US\$) <sup>(1,2)</sup><br>95-99 | Expectations | Fundamentals | ∆CFROI <sup>®</sup>                                 | ∆Cash-<br>Flow<br>Margin <sup>44</sup> | ∆Asset ₅<br>Productivity | Gross<br>Invest<br>Growth <sup>(6)</sup> |
| 1  | GETRONICS           | ITC             | 8,896                                | 62.9%             | -56.8%            | 195                                 | ++           | ++           | +++   | +                                      | +++                      | +++                                      |
| 2  | AEGON               | insur/assur     | 63,911                               | 60.7%             | -9.5%             | 157                                 | +++          | +            | -   | NM                                     | NM                       | +++                                      |
| 3  | KPN                 | ITC             | 46,222                               | 48.6%             | -48.8%            | 687                                 | +++          | -            | ++  | -                                      | +                        | -  |
| 4  | VNU                 | media           | 11,428                               | 47.1%             | 10.2%             | 248                                 | ++           | ++           | ++  | ++                                     | -                        | +++                                      |
| 5  | PHILIPS ELECTRONICS | ITC             | 45,648                               | 43.9%             | 44.9%             | 426                                 | +++          | +            | -   | +                                      | -                        | ++                                       |
| 6  | RANDSTAD            | services        | 5,511                                | 43.1%             | -39.7%            | 156                                 | ++           | ++           | +++   | +                                      | +++                      | +++                                      |
| 7  | NUMICO              | consumer        | 5,175                                | 38.7%             | 59.6%             | 116                                 | +            | +++          | -   | +                                      | -                        | +++                                      |
| 8  | ING GROEP           | banks           | 57,781                               | 36.1%             | 28.0%             | 1,502                               | +            | +++          | ++  | NM                                     | NM                       | +++                                      |
| 9  | ABN AMRO            | banks           | 36,274                               | 34.0%             | 10.5%             | 1,401                               | ++           | ++           | +++   | NM                                     | NM                       | ++                                       |
| 10 | AHOLD               | retail          | 18,766                               | 31.3%             | 11.3%             | 756                                 | -            | +++          | +   | ++                                     | -                        | +++                                      |

NM: Not Meaningful (1) In Million (2) CVA<sub>1999</sub> - CVA<sub>1994</sub>

(3) CFROI1999 - CFROI1994

(4) Cash Flow Margin<sup>1999</sup> - Cash Flow Margin<sup>1999</sup>
(5) Asset Productivity<sup>1999</sup> - Asset Productivity<sup>1994</sup>
(6) Gross Investment<sup>1999</sup> / Gross Investment<sup>1994</sup>

For banks and insurance companies the following expressions need to be replaced: CVA

| CVA              | => | AVE            |
|------------------|----|----------------|
| $\Delta CVA$     | => | DAVE           |
| Gross Investment | => | Equity         |
| CFROI            | => | RROE           |
| WACC             | => | Cost of Equity |

Cost of Equity =>

# **Top 10 Performers by Country**

NORWAY

|    |                    | Market<br>Value |                                      | Market<br>Value   | TSR<br>01.01.00 - | ∆CVA                                | Value Dr     | iven By      | Fu                  | Relative Im                           | Importance of<br>Ital Value Drivers |  |  |
|----|--------------------|-----------------|--------------------------------------|-------------------|-------------------|-------------------------------------|--------------|--------------|---------------------|---------------------------------------|-------------------------------------|--|--|
| Rk | Company            | Industry        | (in US\$) <sup>(1)</sup><br>31.12.99 | TSR p.a.<br>95-99 | 30.09.00          | (in US\$) <sup>(1,2)</sup><br>95-99 | Expectations | Fundamentals | ∆CFROI <sup>®</sup> | ∆Cash-<br>Flow<br>Margin <sup>"</sup> | $\Delta Asset froductivity$         | Gross<br>Invest<br>Growth <sup>©</sup> |  |
| 1  | TOMRA              | ind goods       | 1,401                                | 78.3%             | 120.0%            | 19                                  | ++           | ++           | ++                  | +                                     | -                                   | +++                                    |  |
| 2  | MERKANTILDATA      | ITC             | 1,439                                | 68.9%             | -46.6%            | 24                                  | ++           | ++           | ++                  | +                                     | +++                                 | +++                                    |  |
| 3  | ELKJOP*            | retail          | 704                                  | 50.6%             | 0.6%              | 64                                  | +++          | -            | -                   | -                                     | -                                   | +++                                    |  |
| 4  | DET SONDENFJELDSKE | services        | 374                                  | 48.4%             | -32.5%            | -5                                  | +            | +++          | ++                  | -                                     | +                                   | +++                                    |  |
| 5  | KONGSBERG GRUPPEN  | congl           | 467                                  | 32.0%             | -21.2%            | 17                                  | -            | +++          | ++                  | ++                                    | -                                   | +++                                    |  |
| 6  | CHRISTIANIA BANK   | banks           | 2,692                                | 30.8%             | 31.1%             | -2                                  | +++          | +            | -                   | NM                                    | NM                                  | +++                                    |  |
| 7  | STOREBRAND         | insur/assur     | 2,088                                | 23.7%             | 7.6%              | 21                                  | +++          | +            | ++                  | NM                                    | NM                                  | +++                                    |  |
| 8  | ORKLA              | congl           | 3,739                                | 22.0%             | 29.8%             | 159                                 | +            | +++          | ++                  | ++                                    | -                                   | ++                                     |  |
| 9  | SPAREBANKEN NOR*   | banks           | 1,078                                | 21.6%             | 28.8%             | 6                                   | +++          | -            | -                   | NM                                    | NM                                  | +++                                    |  |
| 10 | STEEN & STROM      | consumer        | 369                                  | 21.6%             | -1.9%             | 1                                   | +            | +++          | -                   | -                                     | +                                   | +++                                    |  |

#### \*: Period analysed: 1995-1998 NM: Not Meaningful

(1) In Million

(2) CVA<sub>1999</sub> - CVA<sub>1994</sub> (3) CFROI<sub>1999</sub> - CFROI<sub>1994</sub> (4) Cash Flow Margin<sup>1096</sup> - Cash Flow Margin<sup>1094</sup>
(5) Asset Productivity<sup>1099</sup> - Asset Productivity<sup>1094</sup>
(6) Gross Investment<sup>1099</sup> / Gross Investment<sup>1094</sup>

For banks and insurance companies the following expressions need to be replaced: CVA => AVF

Equity

| CVA              | => | AVE     |
|------------------|----|---------|
| ΔCVA             | => | DAVE    |
| Gross Investment | => | Equity  |
| CFROI            | => | RROE    |
| WACC             | => | Cost of |

## SPAIN

|    |                 | Market<br>Value | Market<br>Value                     | TSR<br>01.01.00 - |          | Value Driven By                   |              | Fu           | Relative Im<br>Indamenta | nportance of<br>I Value Drive          | rs                     |  |
|----|-----------------|-----------------|-------------------------------------|-------------------|----------|-----------------------------------|--------------|--------------|--------------------------|--|------------------------|--|
| Rk | Company         | Industry        | (in US\$) <sup>10</sup><br>31.12.99 | TSR p.a.<br>95-99 | 30.09.00 | (in US\$) <sup>1,2</sup><br>95-99 | Expectations | Fundamentals | ∆CFROI <sup>®</sup>      | ∆Cash-<br>Flow<br>Margin <sup>49</sup> | ∆Asset<br>Productivity | Gross<br>Invest<br>Growth <sup>®</sup> |
| 1  | TELEFONICA      | ITC             | 80,692                              | 56.8%             | -9.5%    | 3,425                             | +            | +++          | +                        | -                                      | +                      | ++                                     |
| 2  | BBVA            | banks           | 29,795                              | 48.7%             | 22.7%    | 1,116                             | ++           | ++           | +++                      | NM                                     | NM                     | +++                                    |
| 3  | UNION FENOSA    | utilities       | 5,268                               | 44.7%             | 19.8%    | 724                               | -            | +++          | +                        | ++                                     | +                      | +                                      |
| 4  | BANKINTER       | banks           | 3,716                               | 39.9%             | -8.6%    | 71                                | +++          | +            | ++                       | NM                                     | NM                     | +                                      |
| 5  | GAS NATURAL     | utilities       | 10,212                              | 33.1%             | -16.6    | 386                               | -            | +++          | -                        | +                                      | -                      | +++                                    |
| 6  | ARGENTARIA      | banks           | 11,400                              | 30.7%             | -4.8%    | 300                               | ++           | ++           | ++                       | NM                                     | NM                     | +                                      |
| 7  | ALTADIS         | consumer        | 4,548                               | 29.8%             | 18.3%    | 144                               | +++          | +            | -                        | ++                                     | -                      | +++                                    |
| 8  | REPSOL          | ind goods       | 26,169                              | 29.4%             | -7.9%    | 1,246                             | -            | ++++         | -                        | ++                                     | -                      | +++                                    |
| 9  | AGUAS BARCELONA | utilities       | 2,007                               | 29.0%             | -2.2%    | 116                               | -            | +++          | ++                       | ++                                     | +                      | +++                                    |
| 10 | IBERDROLA       | utilities       | 12,371                              | 27.3%             | 7.9%     | 1,863                             | -            | +++          | +                        | +                                      | +                      | -                                      |

#### NM: Not Meaningful (1) In Million (2) CVA<sub>1999</sub> - CVA<sub>1994</sub> (3) CFROI<sub>1999</sub> - CFROI<sub>1994</sub>

(4) Cash Flow Margin<sup>1:094</sup>
(5) Asset Productivity<sup>1:095</sup> - Asset Productivity<sup>1:094</sup>
(6) Gross Investment<sup>1:094</sup> / Gross Investment<sup>1:094</sup>

For banks and insurance companies the following expressions need to be replaced: CVA AVE =>  $\Delta \text{CVA}$ => DAVE Gross Investment => Equity CFRO => RROE Cost of Equity WACC =>

# **SWEDEN**

|    |              | Market<br>Value | Market<br>Value                      | TSR<br>01.01.00 - |          | Value Dr                            | iven By      | Relative Importance of<br>Fundamental Value Drivers |                     |  | ers                    |  |
|----|--------------|-----------------|--------------------------------------|-------------------|----------|-------------------------------------|--------------|---|---------------------|--|------------------------|--|
| Rk | Company      | Industry        | (in US\$) <sup>(1)</sup><br>31.12.99 | TSR p.a.<br>95-99 | 30.09.00 | (in US\$) <sup>(1,2)</sup><br>95-99 | Expectations | Fundamentals  | ∆CFROI <sup>®</sup> | ∆Cash-<br>Flow<br>Margin <sup>49</sup> | ∆Asset<br>Productivity | Gross<br>Invest<br>Growth <sup>®</sup> |
| 1  | WM-DATA      | ITC             | 3,782                                | 91.5%             | -55.1%   | 62                                  | ++           | ++  | -                   | -                                      | -                      | +++                                    |
| 2  | ASSA ABLOY   | services        | 4,117                                | 86.3%             | 48.2%    | 100                                 | ++           | ++  | ++                  | ++                                     | -                      | +++                                    |
| 3  | EUROPOLITAN* | ITC             | 7,137                                | 78.3%             | -38.7%   | 92                                  | +++          | -   | +++                 | +++                                    | +++                    | +++                                    |
| 4  | H&M          | retail          | 24,235                               | 73.8%             | -31.9%   | 224                                 | +++          | +   | +++                 | ++                                     | ++                     | +++                                    |
| 5  | ERICSSON     | ITC             | 124,929                              | 63.6%             | 7.4%     | 839                                 | +++          | +   | ++                  | +                                      | ++                     | +++                                    |
| 6  | SKANDIA      | insur/assur     | 15,314                               | 60.2%             | 49.0%    | 42                                  | +++          | +   | +++                 | NM                                     | NM                     | +++                                    |
| 7  | OM GRUPPEN   | ITC             | 1,804                                | 57.4%             | 126.6%   | 50                                  | -            | +++   | -                   | -                                      | -                      | +++                                    |
| 8  | SHB          | banks           | 8,856                                | 31.8%             | 48.5%    | 60                                  | +++          | +   | ++                  | NM                                     | NM                     | ++                                     |
| 9  | ELECTROLUX*  | consumer        | 8,869                                | 29.3%             | -42.2%   | -286                                | +++          | -   | -                   | -                                      | +                      | +                                      |
| 10 | SEB          | banks           | 6,760                                | 25.1%             | 40.4%    | 551                                 | -            | +++   | +++                 | NM                                     | NM                     | ++                                     |

\*: Period analysed: 1995-1998

NM: Not Meaningful (1) In Million

(2) CVA1999 - CVA1994 (3) CFROI1999 - CFROI1994 (4) Cash Flow Margin<sup>1099</sup> - Cash Flow Margin<sup>1094</sup>
(5) Asset Productivity<sup>1099</sup> - Asset Productivity<sup>1094</sup>
(6) Gross Investment<sup>1099</sup> / Gross Investment<sup>1094</sup>

For banks and insurance companies the following expressions need to be replaced: CVA => AVE  $\Delta$ CVA => DAVE

| UVA              | => | AVE            |
|------------------|----|----------------|
| $\Delta CVA$     | => | DAVE           |
| Gross Investment | => | Equity         |
| CFROI            | => | RROE           |
| WACC             | => | Cost of Equity |
|                  |    |                |

# SWITZERLAND

# **Top 10 Performers by Country**

|    |               | 1            | Market<br>Value                      |                   | TSR<br>01.01.00 - | ∆CVA                                | Value Dr     | riven By     | Fu                  | Relative Im                            | Importance of<br>ntal Value Drivers |   |  |  |
|----|---------------|--------------|--------------------------------------|-------------------|-------------------|-------------------------------------|--------------|--------------|---------------------|--|-------------------------------------|---|--|--|
| Rk | Company       | Industry     | (in US\$) <sup>(1)</sup><br>31.12.99 | TSR p.a.<br>95-99 | 30.09.00          | (in US\$) <sup>(1,2)</sup><br>95-99 | Expectations | Fundamentals | ∆CFROI <sup>®</sup> | ∆Cash-<br>Flow<br>Margin <sup>44</sup> | ∆Asset (5)<br>Productivity          | Gross<br>Invest<br>Growth <sup>69</sup> |  |  |
| 1  | KUDELSKI      | ITC          | 1,831                                | 156.6%            | 178.4%            | 19                                  | +++          | +            | +++                 | +++                                    | +++                                 | +++                                     |  |  |
| 2  | PHONAK        | ITC          | 1,063                                | 40.8%             | 113.7%            | 13                                  | +++          | +            | ++                  | ++                                     | +                                   | +++                                     |  |  |
| З  | ARES-SERONO   | pharm/health | 5,591                                | 36.9%             | 148.9%            | 103                                 | ++           | ++           | ++                  | ++                                     | +                                   | ++                                      |  |  |
| 4  | SWISS RE      | insur/assur  | 29,951                               | 34.7%             | 2.4%              | 841                                 | ++           | ++           | ++                  | NM                                     | NM                                  | +++                                     |  |  |
| 5  | VONTOBEL      | banks        | 1,525                                | 34.6%             | 66.7%             | 118                                 | -            | +++          | +++                 | NM                                     | NM                                  | +++                                     |  |  |
| 6  | KUONI REISEN  | TTT          | 1,097                                | 33.2%             | 11.4%             | 98                                  | -            | +++          | +++                 | ++                                     | -                                   | +++                                     |  |  |
| 7  | JULIUS BAER   | banks        | 2,703                                | 31.5%             | 88.6%             | 96                                  | ++           | ++           | ++                  | NM                                     | NM                                  | ++                                      |  |  |
| 8  | ZURICH ALLIED | insur/assur  | 27,436                               | 31.3%             | -10.2%            | 867                                 | +            | +++          | ++                  | NM                                     | NM                                  | +++                                     |  |  |
| 9  | ALUSUISSE     | ind goods    | 4,553                                | 31.2%             | -12.3%            | 1,001                               | -            | +++          | +++                 | +++                                    | -                                   | +                                       |  |  |
| 10 | NOVARTIS      | pharm/health | 104,817                              | 30.8%             | 14.9%             | 2,087                               | +++          | +            | ++                  | +++                                    | -                                   | ++                                      |  |  |
| 10 | NOVARTIS      | pharm/health | 104,817                              | 30.8%             | 14.9%             | 2,087                               | +++          | +            | ++                  | +++                                    | -                                   |   |  |  |

NM: Not Meaningful (1) In Million (2) CVA1999 - CVA1994 (3) CFROI1999 - CFROI1994

(4) Cash Flow Margin<sup>1990</sup> - Cash Flow Margin<sup>1994</sup>
(5) Asset Productivity<sup>1999</sup> - Asset Productivity<sup>1994</sup>
(6) Gross Investment<sup>1999</sup> / Gross Investment<sup>1998</sup>

For banks and insurance companies the following expressions need to be replaced: CVA

| CVA              | => | AVE            |
|------------------|----|----------------|
| $\Delta CVA$     | => | DAVE           |
| Gross Investment | => | Equity         |
| CFROI            | => | RROE           |
| WACC             | => | Cost of Equity |
|                  |    |                |

#### UK

|    | Company           | Industry | Market<br>Value<br>(in US\$) <sup>(1)</sup><br>31.12.99 | TSR p.a.<br>95-99 | TSR<br>01.01.00 -<br>30.09.00 | ∆CVA<br>(in US\$) <sup>(1,2)</sup><br>95-99 | Value Driven By |              | Relative Importance of<br>Fundamental Value Drivers |                                       |                        |  |
|----|-------------------|----------|---|-------------------|-------------------------------|---|-----------------|--------------|---|---------------------------------------|------------------------|--|
| Rk |                   |          |   |                   |                               |   | Expectations    | Fundamentals |   | ∆Cash-<br>Flow<br>Margin <sup>"</sup> | ∆Asset<br>Productivity | Gross<br>Invest<br>Growth <sup>®</sup> |
| 1  | THE SAGE GROUP    | ITC      | 14,825  | 125.4%            | -33.3%                        | 77  | +++             | +            | +++   | -                                     | +++                    | +++                                    |
| 2  | LOGICA            | ITC      | 10,223  | 92.8%             | 39.4%                         | 70  | +++             | +            | +++   | ++                                    | +++                    | -                                      |
| З  | MISYS             | ITC      | 8,808   | 66.7%             | -33.8%                        | 174   | +++             | -            | -   | +++                                   | -                      | -                                      |
| 4  | SEMA GROUP        | ITC      | 8,301   | 63.2%             | 4.4%                          | 92  | +++             | +            | ++  | ++                                    | -                      | +++                                    |
| 5  | WPP GROUP         | services | 12,168  | 56.3%             | -17.1%                        | 269   | +++             | +            | +++   | +                                     | +++                    | -                                      |
| 6  | VODAFONE AIRTOUCH | ITC      | 153,470   | 50.9%             | -17.5%                        | 567   | +++             | +            | -   | -                                     | +                      | +++                                    |
| 7  | HAYS              | services | 13,671  | 50.1%             | -19.9%                        | 197   | ++              | ++           | +   | -                                     | +                      | +++                                    |
| 8  | MARCONI           | ITC      | 47,988  | 42.8%             | -15.2%                        | 140   | +++             | -            | ++  | -                                     | +++                    | -                                      |
| 9  | BRITISH TELECOM   | ITC      | 158,324   | 41.0%             | -52.2%                        | 4,012                                       | +++             | +            | ++  | ++                                    | +                      | -                                      |
| 10 | COMPASS GROUP     | services | 9,310   | 40.6%             | -5.3%                         | 257   | +               | +++          | +   | -                                     | ++                     | +++                                    |

#### NM: Not Meaningful (1) In Million (2) CVA1999 - CVA1994 (3) CFROI1999 - CFROI1994

(4) Cash Flow Margin1999 - Cash Flow Margin1994 (5) Asset Productivity1999 - Asset Productivity1994 (6) Gross Investment 1999 / Gross Investment 1994

For banks and insurance companies the following expressions need to be replaced: CVA AVE =>  $\Delta \text{CVA}$ => DAVE Gross Investment => Equity CFROI => RROE WACC Cost of Equity =>

# USA

|    |                  |              | Market<br>Value                      |                   | TSR<br>01.01.00 - | ∆CVA                                | Value Driven By |              | Relative Importance of<br>Fundamental Value Drivers |  |                        |  |
|----|------------------|--------------|--------------------------------------|-------------------|-------------------|-------------------------------------|-----------------|--------------|---|--|------------------------|--|
| Rk | Company          | Industry     | (in US\$) <sup>(1)</sup><br>31.12.99 | TSR p.a.<br>95-99 | 30.09.00          | (in US\$) <sup>(1,2)</sup><br>95-99 | Expectations    | Fundamentals | ∆CFROI <sup>(3)</sup>                               | ∆Cash-<br>Flow<br>Margin <sup>44</sup> | ∆Asset<br>Productivity | Gross<br>Invest<br>Growth <sup>®</sup> |
| 1  | CMGI             | e-commerce   | 33,858                               | 213.0%            | -79.8%            | 86                                  | ++              | ++           | ++  | +++                                    | -                      | +++                                    |
| 2  | VERITAS SOFTWARE | ITC          | 36,886                               | 177.9%            | 48.8%             | 231                                 | ++              | ++           | +++   | +++                                    | ++                     | +++                                    |
| 3  | MEDIMMUNE        | pharm/health | 10,017                               | 148.5%            | 39.7%             | 92                                  | ++              | ++           | +++   | +++                                    | ++                     | +++                                    |
| 4  | AMERICA ONLINE   | e-commerce   | 168,672                              | 144.1%            | -29.2%            | 280                                 | +++             | +            | ++  | ++                                     | ++                     | +++                                    |
| 5  | DELL COMPUTER    | ITC          | 130,094                              | 140.0%            | -39.6%            | 1,460                               | +++             | +            | +++   | ++                                     | +++                    | +++                                    |
| 6  | QUALCOMM         | ITC          | 115,579                              | 127.9%            | -59.5%            | 52                                  | +++             | +            | ++  | +                                      | ++                     | +++                                    |
| 7  | SUN MICROSYSTEMS | ITC          | 121,163                              | 103.5%            | 50.8%             | 645                                 | +++             | +            | ++  | ++                                     | +                      | +++                                    |
| 8  | IMMUNEX          | pharm/health | 17,887                               | 96.7%             | 19.2%             | 16                                  | +++             | +            | +++   | +++                                    | -                      | +++                                    |
| 9  | CISCO SYSTEMS    | ITC          | 364,454                              | 93.9%             | 3.2%              | 1,445                               | +++             | +            | -   | -                                      | ++                     | +++                                    |
| 10 | EMC CORPORATION  | ITC          | 111,816                              | 81.9%             | 81.5%             | 539                                 | +++             | +            | -   | -                                      | -                      | +++                                    |

NM: Not Meaningful

(1) In Million (2) CVA<sub>1999</sub> - CVA<sub>1994</sub> (3) CFROI1999 - CFROI1994 (4) Cash Flow Margin<sup>1999</sup> - Cash Flow Margin<sup>1999</sup>
(5) Asset Productivity<sup>1999</sup> - Asset Productivity<sup>1994</sup>
(6) Gross Investment<sup>1999</sup> / Gross Investment<sup>1994</sup>

For banks and insurance companies the following expressions need to be replaced: CVA

| => | AVE                  |
|----|----------------------|
| => | DAVE                 |
| => | Equity               |
| => | RROE                 |
| => | Cost of Equity       |
|    | =><br>=><br>=><br>=> |

11

# Background to the study

The study is based on the annual returns of 4,125 companies in Datastream's global market indices for the period 1994-1999. Collectively, they represent around 70% of the world's total market capitalisation.

Businesses were selected from Datastream's database (total sample: 5,426) using three main criteria.

- Listed for at least five years: This excluded most e-commerce businesses. Separate rankings for all e-commerce businesses listed since 1998 were created.
- Satisfied minimum market capitalisation hurdles: Different capitalisation hurdles were set for each country and sector to reflect their relative economic weight (see Exhibits A1-A2).
- Could be classified into one of 14 industrial sectors: These are listed below and include 12 industry datasets plus banks and insurance.

Several companies that met these criteria were excluded from the final sample as they had been involved in major mergers or acquisitions over the study period (1995-1999) and it was believed this would distort the findings.

All financial figures were converted into both euros and dollars, using the exchange rates of 31st December 1999.

#### Internal value creation model

Internal value creation was measured using the cash value added (CVA) model, rather than economic value added (EVA<sup>TM</sup>), for three main reasons:

# Exhibit A1

#### Market capitalisation hurdles for each industry





# Market capitalisation hurdles for each country



- it controls for depreciation, enabling us to focus on the key drivers behind changes in profitability;
- it eliminates any accounting distortions in individual companies that can arise in the EVA<sup>™</sup> incomeoriented model;
- investors are usually more interested in cash flow than income.

# Technical notes 1 Different ways to measure value creation

To effectively manage value creation, companies require multiple measures to be used in different applications and at different levels of the organisation. Exhibit A3 depicts the range of measures our clients have found most useful to manage value creation at different levels in the organisation.

#### Setting explicit external aspirations: TSR

Beginning at the corporate level, executives must set an explicit value creation aspiration that will energise their organisations, drive stretch thinking or performance, and focus the agenda of programmes that must be implemented.

We believe the most appropriate measure for aspiration setting is total shareholder return, TSR, relative to a local market index or industry peer group. Achievement of this 'external value creation aspiration' should be embedded in the incentive plans for corporate executives and key business unit leaders.

Exhibit A3

#### Aligning internal aspirations and plans : TBR

The next requirement is to cascade down the overall TSR value creation aspiration into internal corporate and business unit goals and targets and assess the gap between plans and aspirations at all levels.

The Total Business Return (TBR) measure is an accurate and useful measure for this purpose (Exhibit A4). The TBR measure is an internal mirror of actual external TSR. It represents the 'intrinsic' capital gain and dividend yield from a business plan – either at the corporate or business unit level.

BCG has developed a range of methodologies to calculate the Total Business Return that can be tailored depending on the very specific situation of our clients. The TBR can be measured with sophisticated proprietary valuation models or with relatively simple approaches employing EBITDA, EBIT, or cash flow multiples.

Many of our clients have found the TBR measure



to be a powerful tool for converting TSR aspirations into performance goals at business unit level and to drive accordingly a portion of long term incentives for business unit management. In that context, TBR can also be used as a rich planning tool to assess the value creation potential of business plans and help managers close the gap between aspirations and performance.

TBR is an important high level tool to assess the relative performance of a corporation or a business unit and to set future targets. It also provides a way to link other measures used for detailed value driver analysis or for setting operational targets back to the TSR aspiration.

# Measuring and setting targets for the internal value creation drivers: CVA

Cash value added, CVA, (or its financial services equivalent, AVE) is an absolute measure of operating performance contribution to value creation. It provides a strong directional indication of when and how value creation is being improved. The CVA measure reflects operating cash flow minus a cost of capital charge against gross operating assets employed (Exhibits A5-A7). The CVA measure is a very powerful tool to help managers pull the appropriate levers to create value. It can indeed accurately assess the contribution of the economic assets that actually drive a business. As noted in the report, in some cases they are tangible assets, in others they are either people or customers.

The CVA measure (or AVE measure) is an accurate tool for determining priority value drivers and assessing value driver tradeoffs. In particular, it is a useful strategic indicator that allows managers to balance the high level tradeoffs between improving profitability versus growing the business. Because its measurement is based on cash flow and original cash investment,

# Exhibit A4 TBR is the internal analogue to TSR Internal measure TBR TSR TSR



## Exhibit A5



# Exhibit A6



# Exhibit A7

| Technical Term                     | Definition   |
|------------------------------------|--|
| Cash-flow margin                   | gross cash flow - economic depreciation<br>Sales           |
| Capital turns (asset productivity) | Sales<br>Gross investment                                  |
| Growth                             | Gross investment₁ - Gross investment₀<br>Gross investment₀ |

it avoids the key accounting distortions that can cause measures such as EVA<sup>TM</sup> to give misleading trends in capital intensive businesses.

Many clients have also found CVA to be an effective measure for annual incentives at the business unit and operational levels. The CVA measure can indeed be easily further decomposed into the key performance indicators (KPIs) that are relevant to each management area. KPIs then form the basis for internal or external performance benchmarking and for establishing annual incentive targets. Identifying priority KPIs and optimizing tradeoffs across them (i.e. low inventories versus high service levels) can be accomplished using the CVA measure.

This brief description of value creation measurement tools does not address the many nuances of applying them effectively. Further information on how to quantify aspirations, tailor the measure to fit your type of business, or identify the highest priority KPIs, can be provided upon request.

# 2 Calculating expectation premiums



- Fade rate for Growth: 20%
- Fade rate for CFROI: 10%

A company's expectation premium is the difference between its market value plus debt and its fundamental value. The scale of the premium depends on three main factors:

The market value of the company, measured by its market capitalisation plus debt. BCG used calendar year data for this.

The assumptions used to calculate the company's fundamental value. BCG used standard cash flow projections, based on the business's current profitability and historical growth. We assumed that profitability would fade by 10% per annum

to the weighted average cost of capital over

40 years due to competitive pressures and other factors. In addition, it was assumed that growth would fade by 20% per annum to an average economic growth rate of 1.5% over the same period (see Exhibit A8).

The data used to calculate the company's fundamental value. BCG used fiscal data for this.

# How different assumptions affect the magnitude of the premium

## **Cautious assumptions**

When we calculated the expectation premium for the top 100 companies in the main study, based on the above assumptions, the average annual premium for this group was 53% over 1995-1999. More significantly, the premium rose progressively each year during this period (Exhibit A9).

#### **Progressively optimistic assumptions**

If we use different data periods and progressively optimistic assumptions to calculate the companies' fundamental values, the magnitude of the premium diminishes. However, what does not alter is the upward, year-on-year trend in expectation premiums, as we demonstrate below.

- If we assume that the companies' growth rates fade to an average economic growth rate of 3.2% over 40 years, as opposed to the previous 1.5%, the average annual expectation premium declines to 50% (Exhibit A10). Yet the upward year-on-year trend still continues.
- If we further assume that the companies' profitability fades to WACC plus 2,5%, reflecting the possibility that investors expect top businesses to operate at higher level than the others, the premium declines again, to 21% (Exhibit A11). Once more, the annual rise in the premium persists.

## Exhibit A9

# Evolution of expectation premium for the Top 100



Source: Annual reports, BCG analysis

## Exhibit A10



Source: Annual reports, BCG analysis



# Exhibit A11

Evolution of expectation premium for the top 100



## Exhibit A12



#### Exhibit A13



Using fiscal data rather than calendar year data, the average annual expectation premium changes from 21% to 28%. And as before, the premium still rises each year. (Exhibit A12)

#### What can we conclude from this?

If you change the assumptions used to calculate the top 100 companies' fundamental values, you change the scale of the premium, but not the steady rise in premiums over time. Indeed, it is not the scale of the premium that businesses should be concerned about, but the scale of their market capitalisation - the expected free cash flows that investors expect them to deliver. Can the top 100 companies achieve these ambitious cash flow goals? In many cases they will only be able to do this by defying competitive pressures and generating long-term, sustained improvements in profitability and growth. They will have to find a way to prevent their fundamentals fading to cost of capital and average economic growth in the long term. This is highlighted in Exhibit A13. To justify their combined value in 1999, for example, the top 100 companies would have to maintain their profitability at 8.9% above the cost of capital over 40 years. A tall order for any CEO.

# List of technical abbreviations used

| ACC   | Average Cost per Customer      | HR    | Human Resources            |
|-------|--------------------------------|-------|----------------------------|
| АСР   | Average Cost per Person        | KPI   | Key Performance Indicators |
| AP    | Asset Productivity             | МС    | Marketing Cost             |
| AVE   | Added Value on Equity          | PC    | Personnel Cost             |
| CAGR  | Compounded Annual Growth Rate  | RAVE™ | Real Asset Value Enhancer  |
| CFM   | Cash Flow Margin               | R&D   | Research & Development     |
| CFROI | Cash Flow Return on Investment | RROE  | Real Return on Equity      |
| CVA   | Cash Value Added               | TSR   | Total Shareholder Return   |
| DAVE  | Delta Added Value on Equity    | TBR   | Total Business Return      |
| EVA®  | Economic Value Added           | VAC   | Value Added per Customer   |
| GI    | Gross Investment               | VAP   | Value Added per Person     |



# Acknowledgements

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