

# **PNE AG**

Germany / Cleantech Primary exchange: Frankfurt Bloomberg: PNE3 GR ISIN: DE000A0JBPG2

Q3 figures

RATING PRICE TARGET

BUY € 3.60

Return Potential 44.3% Risk Rating High

# **STRONG Q4 EXPECTED**

PNE reported Q3 figures below the previous year's figures and our forecasts. EBIT was slightly negative at €0.3m. On a nine month basis, EBIT amounted to €3.7m. In Q3, PNE received another offshore milestone payment from Oersted for the Borkum Riffgrund II project amounting to ca. €4m. Onshore construction activity increased q/q from 66 MW to 93 MW. Management reiterated guidance (EBITDA: €20-26m, EBIT €10-16m). We believe that PNE will reach its guidance and expect a strong Q4, but lower our 2018 & 2019 forecasts following the weaker than expected Q3 results and a lack of projects awarded in Germany. We maintain our Buy rating based on a slightly lower price target of €3.60 (previously: €3.80).

Weak Q3 figures Q3 revenues were down 73% y/y at €11.4m (Q3/17: €41.8m FBe: €19.6m). We note that Q3/17 was an extraordinary successful quarter due to project rights sales and a purchase price payment of €21.4m for the optimisation of the 142 MW portfolio sold to Allianz. Q3 EBIT was slightly negative at €-0.3m (Q3/17: €28.6m, FBe: €2.4m). Interest expenses were significantly lower q/q following the repayment of the €100m bond in H1. In Q3, interest expenses amounted to €1.6m versus €2.3m in Q2/18. The net result was €-1.7m (Q3/17: €22.8m, FBe: €0.5m). On a nine month basis, EBIT amounted to €3.7m and the net result was €-2.0m (see figure 1 overleaf).

**Guidance reiterated** Management reiterated full-year guidance (EBITDA €20-26m, EBIT €10-16m). Given the 9M EBIT of €3.7m and the fact that projects are usually sold in Q4 following construction in the first nine months, we believe that PNE will reach its guidance.

Balance sheet remains strong At the end of Q3, the cash position was €117m, financial liabilities amounted to €162m, of which €40m were short-term. The net debt position was thus at a moderate value of €44m. Equity amounted to €222m corresponding to a very solid equity ratio of 50%. (p.t.o.)

### **FINANCIAL HISTORY & PROJECTIONS**

|                    | 2015    | 2016   | 2017   | 2018E  | 2019E   | 2020E  |
|--------------------|---------|--------|--------|--------|---------|--------|
| Revenue (€m)       | 109.52  | 248.58 | 114.08 | 109.70 | 178.69  | 268.10 |
| Y-o-y growth       | -48.2%  | 127.0% | -54.1% | -3.8%  | 62.9%   | 50.0%  |
| EBIT (€m)          | 9.77    | 97.04  | 23.13  | 12.63  | 15.76   | 104.32 |
| EBIT margin        | 8.9%    | 39.0%  | 20.3%  | 11.5%  | 8.8%    | 38.9%  |
| Net income (€m)    | 3.47    | 68.97  | 17.08  | 4.57   | 5.94    | 76.94  |
| EPS (diluted) (€)  | 0.05    | 0.88   | 0.22   | 0.06   | 0.08    | 0.98   |
| DPS (€)            | 0.04    | 0.12   | 0.04   | 0.04   | 0.04    | 0.13   |
| FCF (€m)           | -105.38 | -44.27 | -47.39 | -55.05 | -140.61 | 261.33 |
| Net gearing        | 98.1%   | -12.6% | -5.8%  | 18.0%  | 75.9%   | -22.5% |
| Liquid assets (€m) | 86.08   | 147.69 | 193.98 | 108.76 | 75.09   | 223.37 |

## **RISKS**

Risks to our price target include, but are not limited to: changes in legislation, project financing risks, project delays, and project approval risks.

### **COMPANY PROFILE**

PNE AG is an international wind energy project developer for on- and offshore wind farms. It has begun to develop into a clean energy solution provider active in wind, PV, storage, power-to-heat, energy supply management, and energy services. The company is based in Cuxhaven, Germany.

| MARKET DATA             | As of 08 Nov 2018 |
|-------------------------|-------------------|
| Closing Price           | € 2.50            |
| Shares outstanding      | 76.56m            |
| Market Capitalisation   | € 191.01m         |
| 52-week Range           | € 2.25 / 3.18     |
| Avg. Volume (12 Months) | 287.573           |

| Multiples  | 2017 | 2018E | 2019E |
|------------|------|-------|-------|
| P/E        | 11.4 | 43.0  | 33.0  |
| EV/Sales   | 1.6  | 1.6   | 1.0   |
| EV/EBIT    | 7.6  | 14.0  | 11.2  |
| Div. Yield | 1.6% | 1.6%  | 1.6%  |

## STOCK OVERVIEW



| COMPANY DATA         | As of 30 Sep 2018 |
|----------------------|-------------------|
| Liquid Assets        | € 117.30m         |
| Current Assets       | € 268.12m         |
| Intangible Assets    | € 65.20m          |
| Total Assets         | € 442.86m         |
| Current Liabilities  | € 92.66m          |
| Shareholders' Equity | € 221.73m         |

# SHAREHOLDERS

| Internat. Kapitalanlageges. mbH | 10.1% |
|---------------------------------|-------|
| Active Ownership Fund SCS       | 5.1%  |
| Axxion S.A.                     | 3.2%  |
| Other investors                 | 6.1%  |
| Free Float                      | 75.6% |

Figure 1: Reported figures versus forecasts

| All figures in €m  | Q3-18A | Q3-18E | Delta  | Q3-17A | Delta  | 9M 2018 | 9M 2017 | Delta  |
|--------------------|--------|--------|--------|--------|--------|---------|---------|--------|
| Sales              | 11.45  | 19.59  | -41.6% | 41.79  | -72.6% | 39.86   | 81.24   | -50.9% |
| EBIT               | -0.34  | 2.45   | -      | 28.61  | -      | 3.72    | 23.66   | -84.3% |
| margin             | -2.9%  | 12.5%  |        | 68.5%  |        | 9.3%    | 29.1%   |        |
| Net income         | -1.71  | -0.49  | -      | 22.80  | -      | -1.98   | 16.32   | -      |
| margin             | -14.9% | -2.5%  |        | 54.6%  |        | -5.0%   | 20.1%   |        |
| EPS (diluted) in € | -0.02  | -0.01  | -      | 0.29   | -      | -0.02   | 0.21    | -      |

Source: First Berlin Equity Research, PNE AG

Negative operating cash flow due to inventory buildup Operating cash flow amounted to €-48m due mainly to a €37m increase in inventories and other assets. This increase reflects higher construction activity during H2 and looks set to be reversed when projects are completed and sold, which we expect to happen in Q4. Cash outflow from investing activities was €10.6m, driven by CAPEX of €2.6m and investment in consolidated entities amounting to €8.2m. The latter investment largely reflects the purchase of the stake subsidiary WKN, which PNE did not already own. Cash flow from financing was €-18.3m. PNE paid back the €100m bond, issued a €50m bond, and took on loans amounting to €47m. Furthermore, loan and bond redemptions were €12m and dividend payment €3m. Net cash flow was €77m.

**Onshore construction activity higher in Q3** At the end of September, wind farm projects with a total capacity of 93 MW were under construction in Germany, France, and Sweden. One project (25 MW) is being built as a service project. At the end of Q2, 66 MW were under construction.

Another offshore milestone payment in Q3 In Q3, PNE received a €4m milestone payment from Oersted for the Borkum Riffgrund II offshore wind farm project. This was the second milestone payment this year. As in Q2, PNE also received €4m for the Gode Wind 3 project.

Development of 200 MW wind farm portfolio postpones profits into the future PNE has been developing a 200 MW onshore wind portfolio which is to be sold in 2020E. Since 2017, EBT accrued in this portfolio has amounted to ca. €20.9m, of which ca. €8.5m have been generated in 9M/18. Profits will be realised when the project is sold. Currently, the portfolio comprises the operating Kührstedt-Alfstedt wind farm (43.2 MW). The Gerdau-Schwienau and Schlenzer wind farms (21.6 MW + 6.5 MW = 28.1 MW) will be added after commissioning, which we expect in the coming months. This would increase the portfolio to 71.3 MW or more than one third of the planned total size.

**No awards in the last two German tenders** PNE was awarded three projects with a total capacity of 49 MW in the first two German tenders. These projects are already under construction. However, PNE did not take part in the last two tenders in August and October due to a lack of approved projects. As the three aforementioned projects will probably be completed this year, PNE currently does not have any new German projects for construction in 2019. It thus needs approvals, and awards in the first two 2019 tenders in February and May. However, approval procedures are currently slow, and it thus takes much longer to receive an approval.

**Project pipeline shows q/q improvement** At the end of Q3, the volume of phase IV projects (implementation phase) was 68 MW versus 41 MW at the end of Q2 due to progress made in Germany. The volume of phase III projects (planning phase) increased from 914 MW at the end of Q2 to 1,065 MW at the end of Q3. This increase is based on

progress in Germany (142 MW versus 131 MW at the end of Q2), France (133 MW versus 124 MW), and Poland (173 MW versus 42 MW).

Electricity generation segment contributed €3.9m EBITDA in Q3 In the first nine months, the electricity generation segment, which has a total wind capacity of 55 MW, contributed €9.1m in EBITDA and €3.6m in EBIT. In Q3, EBITDA and EBIT contributions were €3.9m and €2.0 respectively. During the buildup of the 200 MW portfolio, the segment's earnings contribution will rise further.

Share buy-back programme to start on 12 November PNE plans to buy back 2.19m shares (ca. 2.9% of the registered shares) within a purchase price range of €2.25 - 2.74. PNE may use the shares to repay the 2014/19 convertible bond (volume: €6.6m, coupon 3.75%, conversion price: €3.00, number of potential new shares 2.06m). The buy-back programme will end on 30 November and looks set to be the main share price driver in November.

**Extra tenders in Germany** The German government has agreed on extra tenders as stipulated in the coalition treaty. However, the extra 4 GW are now distributed over three instead of the two years originally planned: 1.0 GW in 2019, 1.4 GW in 2020, and 1.6 GW in 2021. These extra tenders come on top of the normal tenders (2.8 GW in 2019 and 2.9 GW both in 2020 & 2021). Total tender volume will thus amount to 3.8 GW in 2019, 4.3 GW in 2020, and 4.5 GW in 2021. This could give the German market a push in coming years provided that approval procedures are accelerated again, and enough projects receive approval.

Forecasts lowered for 2018E and 2019E Given the weaker than expected Q3 EBIT and the lack of new German project awards, we believe that EBIT this and next year will be lower than previously expected (see figure 2). We nevertheless expect a strong Q4 EBIT of €8.9m due to project and/or project right sales. We believe that two German projects (20.7 MW & 7.6 MW), a French project (19.2 MW), or US project rights (200 MW) could be sold by the end of December.

Figure 2: Revisions to forecasts

|                    |        | 2018E  |        |        | 2019E  |        |        | 2020E  |       |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| All figures in €m  | Old    | New    | Delta  | Old    | New    | Delta  | Old    | New    | Delta |
| Sales              | 125.70 | 109.70 | -12.7% | 198.69 | 178.69 | -10.1% | 268.10 | 268.10 | 0.0%  |
| EBIT               | 15.53  | 12.63  | -18.6% | 19.39  | 15.76  | -18.7% | 104.54 | 104.32 | -0.2% |
| margin             | 12.4%  | 11.5%  |        | 9.8%   | 8.8%   |        | 39.0%  | 38.9%  |       |
| Net income         | 9.37   | 4.57   | -51.3% | 10.94  | 5.94   | -45.7% | 79.12  | 76.94  | -2.8% |
| margin             | 7.5%   | 4.2%   |        | 5.5%   | 3.3%   |        | 29.5%  | 28.7%  |       |
| EPS (diluted) in € | 0.12   | 0.06   | -51.3% | 0.14   | 0.08   | -45.6% | 1.01   | 0.98   | -2.8% |

Source: First Berlin Equity Research

**Buy reiterated at a slightly lower price target** Based on an updated DCF model that accounts for the lower forecasts, we lower our price target to €3.60 (previously: €3.80). At the current share price level, the stock remains attractively valued. At the end of September, equity book value per share amounted to €2.90 and tangible book value (equity minus goodwill) per share to ca. €2.07. We reiterate our Buy rating.

# **VALUATION MODEL**

| DCF valuation model                    |         |          |         |         |         |         |         |         |
|--|---------|----------|---------|---------|---------|---------|---------|---------|
| All figures in EUR '000                | 2018E   | 2019E    | 2020E   | 2021E   | 2022E   | 2023E   | 2024E   | 2025E   |
| Net sales                              | 109,700 | 178,686  | 268,095 | 201,667 | 205,700 | 209,814 | 214,011 | 218,291 |
| NOPLAT                                 | 11,794  | 14,474   | 85,286  | 10,631  | 11,384  | 12,217  | 12,333  | 12,438  |
| + depreciation & amortisation          | 9,445   | 14,255   | 20,220  | 9,701   | 9,898   | 10,059  | 10,186  | 10,279  |
| Net operating cash flow                | 21,239  | 28,729   | 105,507 | 20,332  | 21,282  | 22,276  | 22,518  | 22,718  |
| - total investments (CAPEX, WC, other) | -67,859 | -160,004 | 165,974 | -4,463  | -12,387 | -12,201 | -12,002 | -11,790 |
| Capital expenditures                   | -65,820 | -142,949 | 160,857 | -11,898 | -11,688 | -11,463 | -11,226 | -10,974 |
| Working capital                        | -2,039  | -17,055  | 4,117   | 6,436   | -1,699  | -1,738  | -1,776  | -1,816  |
| Free cash flows (FCF)                  | -46,620 | -131,276 | 271,480 | 15,869  | 8,895   | 10,075  | 10,516  | 10,927  |
| PV of FCF's                            | -46,164 | -121,381 | 234,348 | 12,791  | 6,695   | 7,081   | 6,900   | 6,695   |

| All figures in thousands                    |         |
|---|---------|
| PV of FCFs in explicit period (2018E-2032E) | 156,642 |
| PV of FCFs in terminal period               | 122,110 |
| Enterprise value (EV)                       | 278,752 |
| + Net cash / - net debt                     | 14,125  |
| + Investments / minority interests          | -7,679  |
| Shareholder value                           | 285,198 |

Fair value per share in EUR

| WACC                    | 7.1%  |
|-------------------------|-------|
| Cost of equity          | 11.8% |
| Pre-tax cost of debt    | 7.0%  |
| Tax rate                | 25.0% |
| After-tax cost of debt  | 5.3%  |
| Share of equity capital | 28.0% |
| Share of debt capital   | 72.0% |
| Price target in EUR     | 3.60  |

| Terminal growth rate |      |      |      |      |      |       |       |  |  |  |
|----------------------|------|------|------|------|------|-------|-------|--|--|--|
|                      | 0.5% | 1.0% | 1.5% | 2.0% | 2.5% | 3.0%  | 3.5%  |  |  |  |
| 4.1%                 | 5.87 | 6.39 | 7.10 | 8.16 | 9.88 | 13.18 | 22.03 |  |  |  |
| 5.1%                 | 4.65 | 4.91 | 5.25 | 5.69 | 6.31 | 7.22  | 8.70  |  |  |  |
| 6.1%                 | 3.85 | 4.00 | 4.19 | 4.41 | 4.70 | 5.09  | 5.62  |  |  |  |
| 7.1%                 | 3.29 | 3.39 | 3.49 | 3.62 | 3.78 | 3.98  | 4.23  |  |  |  |
| 8.1%                 | 2.88 | 3.03 | 3.00 | 3.08 | 3.18 | 3.29  | 3.42  |  |  |  |
| 9.1%                 | 2.55 | 2.59 | 2.64 | 2.69 | 2.75 | 2.81  | 2.89  |  |  |  |
| 10.1%                | 2.29 | 2.32 | 2.35 | 2.38 | 2.42 | 2.46  | 2.51  |  |  |  |

 $<sup>^{\</sup>star}$  for layout purposes the model shows numbers only to 2025, but runs until 2032



# **INCOME STATEMENT**

| Change in inventories 19,078 116,096 1,591 63,331 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0   | All figures in EUR '000                     | 2014A    | 2015A    | 2016A   | 2017A    | 2018E   | 2019E    | 2020E   |
|---|---|----------|----------|---------|----------|---------|----------|---------|
| Other operating income         3,603         7,707         9,075         9,483         5,419         6,961         7,210           Total aggregate output         233,949         233,327         259,244         186,890         115,119         185,647         275,305           Cost of goods sold         170,496         -154,934         -96,951         -108,381         -43,80         -10,368         -93,833           Gross profit         59,850         70,686         153,218         5,695         65,820         75,048         174,262           Personnel costs         -27,041         -29,254         -25,423         -25,789         -26,821         -27,893         -28,730           Other operating expenses         -25,206         -29,504         -26,946         -24,125         -22,338         -24,102         -28,200           Depreciation and amortisation         -8,526         -9,870         -12,884         -5,466         -9,445         -14,255         -22,220           Operating income (EBIT)         2,680         9,765         97,040         23,129         12,635         15,759         104,321           Interest Expense         -14,934         -16,334         -16,331         -17,331         -10,709         9,812         -11,011 <td>Revenues</td> <td>211,268</td> <td>109,524</td> <td>248,577</td> <td>114,076</td> <td>109,700</td> <td>178,686</td> <td>268,095</td>   | Revenues                                    | 211,268  | 109,524  | 248,577 | 114,076  | 109,700 | 178,686  | 268,095 |
| Total aggregate output         233,949         233,327         259,244         186,890         115,119         185,647         275,05           Cost of goods sold         170,496         -154,934         -96,951         -108,381         -43,880         -103,638         -93,833           Gross profit         59,850         70,686         153,218         5,595         65,820         75,048         174,262           Personnel costs         -27,041         -29,254         -25,423         -25,789         -26,821         -27,893         -28,730           Other operating expenses         -25,206         -29,504         -26,946         -24,125         -22,338         -24,102         -28,200           EBITDA         11,206         19,635         109,924         28,595         22,000         30,014         124,542           Depreciating and amortisation         -8,526         -9,870         17,040         23,129         -9,445         -14,255         -20,220           Operating income (EBIT)         2,680         9,765         97,040         23,129         -9,812         -11,111         -11,219           Interest Expense         -14,934         -16,381         -17,331         -10,709         -9,812         -11,1011         -11,219  | Change in inventories                       | 19,078   | 116,096  | 1,591   | 63,331   | 0       | 0        | 0       |
| Cost of goods sold  | Other operating income                      | 3,603    | 7,707    | 9,075   | 9,483    | 5,419   | 6,961    | 7,210   |
| Gross profit         59,850         70,686         153,218         5,695         65,820         75,048         174,262           Personnel costs         -27,041         -29,254         -25,423         -25,789         -26,821         -27,893         -28,730           Other operating expenses         -25,206         -29,504         -26,946         -24,125         -22,333         -24,102         -28,200           BBITDA         11,206         19,635         109,924         28,595         22,080         30,014         124,542           Depreciation and amortisation         -8,526         -9,970         -12,884         -5,466         -9,445         -14,255         -20,220           Operating income (EBIT)         2,680         9,765         97,040         23,129         12,635         15,759         104,321           Interest Income         1,49,34         -16,331         -17,331         -10,709         -9,812         -11,011         -11,272           Income from participations & ass. companies         -5,334         -86         736         1,022         1,000         1,000           Income taxes         -3,131         3,570         -14,476         174         -841         -1,285         -19,035           Minority i  | Total aggregate output                      | 233,949  | 233,327  | 259,244 | 186,890  | 115,119 | 185,647  | 275,305 |
| Personnel costs   | Cost of goods sold                          | -170,496 | -154,934 | -96,951 | -108,381 | -43,880 | -103,638 | -93,833 |
| Other operating expenses         -25,206         -29,504         -26,946         -24,125         -22,338         -24,102         -28,200           EBITDA         11,206         19,635         109,924         28,595         22,080         30,014         124,542           Depreciation and amortisation         -8,526         -9,870         -12,884         -5,466         9,445         -14,255         -20,220           Operating income (EBIT)         2,680         9,765         97,040         23,129         12,635         15,759         104,321           Interest Expense         -14,934         -16,381         -17,331         -10,709         -9,812         -11,011         -11,212           Income Icmome Icmome Interest Expense         -14,934         -16,381         -17,331         1,111         619         384         679         1,072           Income Icmome Ic   | Gross profit                                | 59,850   | 70,686   | 153,218 | 5,695    | 65,820  | 75,048   | 174,262 |
| EBITDA  11,206 19,635 109,924 28,595 2,080 30,014 124,542 Depreciation and amortisation -8,526 -9,870 -12,884 -5,466 -9,445 -14,255 -20,220 Operating income (EBIT) 2,680 9,765 97,040 23,129 12,635 15,759 104,321 Interest Expense -14,934 -16,381 -17,331 -10,709 -9,812 -11,011 -11,219 Interest Income -2,422 1,743 1,111 -619 384 -679 1,002 Income from participations & ass. companies -5,334 -86 -736 -1,022 -1,000 -1,000 -1,000 Pre-tax income (EBT) -15,166 -4,959 -81,556 -14,061 -4,207 -6,427 -95,175 Income taxes -3,131 -3,570 -14,476 -174 -841 -1,285 -19,035 Minority interests -5,305 -4,863 -1,893 -2,840 -1,200 -800 -800 Net income / loss -12,992 -0,445 -0,21 -0,05 -0,88 -0,22 -0,06 -0,08 -0,98  Ratios  Gross margin -0,21 -0,05 -0,88 -0,22 -0,06 -0,08 -0,08 -0,98  Ratios  Gross margin on revenues -1,3% -1,9% -1,9% -1,9% -1,1,0% -1,1,0% - | Personnel costs                             | -27,041  | -29,254  | -25,423 | -25,789  | -26,821 | -27,893  | -28,730 |
| Depreciation and amortisation -8,526 -9,870 -12,884 -5,466 -9,445 -14,255 -20,220 Operating income (EBIT) -2,680 -7,655 -7,040  | Other operating expenses                    | -25,206  | -29,504  | -26,946 | -24,125  | -22,338 | -24,102  | -28,200 |
| Operating income (EBIT)         2,680         9,765         97,040         23,129         12,635         15,759         104,321           Interest Expense         -14,934         -16,381         -17,331         -10,709         -9,812         -11,011         -11,219           Interest Income         2,422         1,743         1,111         619         384         679         1,072           Income from participations & ass. companies         -5,334         -86         736         1,022         1,000         1,000         1,000           Pre-tax income (EBT)         -15,166         -4,959         81,556         14,061         4,207         6,427         95,175           Income taxes         -3,131         3,570         -14,476         174         -841         -1,285         -19,035           Minority interests         5,305         4,863         1,893         2,840         1,200         800         800           Net income / loss         -12,992         3,474         68,973         17,075         4,565         5,942         76,940           Diluted EPS (in €)         -0.21         0.05         0.88         0.22         0.06         0.08         0.98           Ration (assis)   | EBITDA                                      | 11,206   | 19,635   | 109,924 | 28,595   | 22,080  | 30,014   | 124,542 |
| Interest Expense  | Depreciation and amortisation               | -8,526   | -9,870   | -12,884 | -5,466   | -9,445  | -14,255  | -20,220 |
| Interest Income Interest Income Interest Income Interest Income Income from participations & ass. companies Income taxes Income | Operating income (EBIT)                     | 2,680    | 9,765    | 97,040  | 23,129   | 12,635  | 15,759   | 104,321 |
| Income from participations & ass. companies   | Interest Expense                            | -14,934  | -16,381  | -17,331 | -10,709  | -9,812  | -11,011  | -11,219 |
| Pre-tax income (EBT) -15,166 -4,959 -4,959 -14,476 -174 -841 -1,285 -19,035 -14,476 -174 -841 -1,285 -19,035 -19,035 -14,476 -174 -841 -1,285 -19,035 -19,035 -10,000 | Interest Income                             | 2,422    | 1,743    | 1,111   | 619      | 384     | 679      | 1,072   |
| Income taxes -3,131 3,570 -14,476 174 -841 -1,285 -19,035 Minority interests 5,305 4,863 1,893 2,840 1,200 800 800 Net income / loss -12,992 3,474 68,973 17,075 4,565 5,942 76,940 Diluted EPS (in €) -0.21 0.05 0.88 0.22 0.06 0.08 0.98  | Income from participations & ass. companies | -5,334   | -86      | 736     | 1,022    | 1,000   | 1,000    | 1,000   |
| Minority interests         5,305         4,863         1,893         2,840         1,200         800         800           Net income / loss         -12,992         3,474         68,973         17,075         4,565         5,942         76,940           Diluted EPS (in €)         -0.21         0.05         0.88         0.22         0.06         0.08         0.98           Ratios           Gross margin         28.3%         64.5%         61.6%         5.0%         60.0%         42.0%         65.0%           EBITDA margin on revenues         5.3%         17.9%         44.2%         25.1%         20.1%         16.8%         46.5%           EBIT margin on revenues         1.3%         8.9%         39.0%         20.3%         11.5%         8.8%         38.9%           Net margin on revenues         -6.1%         3.2%         27.7%         15.0%         4.2%         3.3%         28.7%           Tax rate         -20.6%         72.0%         17.7%         -1.2%         20.0%         20.0%         20.0%           Expenses as % of revenues         12.8%         26.7%         10.2%         22.6%         24.4%         15.6%         10.7%           Depreciation and  | Pre-tax income (EBT)                        | -15,166  | -4,959   | 81,556  | 14,061   | 4,207   | 6,427    | 95,175  |
| Net income / loss         -12,992         3,474         68,973         17,075         4,565         5,942         76,940           Diluted EPS (in €)         -0.21         0.05         0.88         0.22         0.06         0.08         0.98           Ratios           Gross margin         28.3%         64.5%         61.6%         5.0%         60.0%         42.0%         65.0%           EBITDA margin on revenues         5.3%         17.9%         44.2%         25.1%         20.1%         16.8%         46.5%           EBIT margin on revenues         1.3%         8.9%         39.0%         20.3%         11.5%         8.8%         38.9%           Net margin on revenues         -6.1%         3.2%         27.7%         15.0%         4.2%         3.3%         28.7%           Tax rate         -20.6%         72.0%         17.7%         -1.2%         20.0%         20.0%         20.0%           Expenses as % of revenues         12.8%         26.7%         10.2%         22.6%         24.4%         15.6%         10.7%           Depreciation and amortisation         4.0%         9.0%         5.2%         4.8%         8.6%         8.0%         7.5%           Other operating expen   | Income taxes                                | -3,131   | 3,570    | -14,476 | 174      | -841    | -1,285   | -19,035 |
| Ratios       Corporating expenses       28.3%       64.5%       61.6%       5.0%       60.0%       42.0%       65.0%         EBITDA margin on revenues       5.3%       17.9%       44.2%       25.1%       20.1%       16.8%       46.5%         EBIT margin on revenues       1.3%       8.9%       39.0%       20.3%       11.5%       8.8%       38.9%         Net margin on revenues       6.1%       3.2%       27.7%       15.0%       4.2%       3.3%       28.7%         Tax rate       -20.6%       72.0%       17.7%       -1.2%       20.0%       20.0%       20.0%         Expenses as % of revenues       12.8%       26.7%       10.2%       22.6%       24.4%       15.6%       10.7%         Depreciation and amortisation       4.0%       9.0%       5.2%       4.8%       8.6%       8.0%       7.5%         Other operating expenses       11.9%       26.9%       10.8%       21.1%       20.4%       13.5%       10.5%         Y-Y Growth       8.6%       -48.2%       127.0%       -54.1%       -3.8%       62.9%       50.0%         Operating income       -93.8%       264.4%       893.7%       -76.2%       -45.4%       24.7%       562.0% </td <td>Minority interests</td> <td>5,305</td> <td>4,863</td> <td>1,893</td> <td>2,840</td> <td>1,200</td> <td>800</td> <td>800</td>   | Minority interests                          | 5,305    | 4,863    | 1,893   | 2,840    | 1,200   | 800      | 800     |
| Ratios Gross margin 28.3% 64.5% 61.6% 5.0% 60.0% 42.0% 65.0% EBITDA margin on revenues 5.3% 17.9% 44.2% 25.1% 20.1% 16.8% 46.5% EBIT margin on revenues 1.3% 8.9% 39.0% 20.3% 11.5% 8.8% 38.9% Net margin on revenues -6.1% 3.2% 27.7% 15.0% 4.2% 3.3% 28.7% Tax rate -20.6% 72.0% 17.7% -1.2% 20.0% 20.0% 20.0%  Expenses as % of revenues  Personnel costs 12.8% 26.7% 10.2% 22.6% 24.4% 15.6% 10.7% Depreciation and amortisation 4.0% 9.0% 5.2% 4.8% 8.6% 8.0% 7.5% Other operating expenses 11.9% 26.9% 10.8% 21.1% 20.4% 13.5% 10.5%  Y-Y Growth  Revenues 46.7% -48.2% 127.0% -54.1% -3.8% 62.9% 50.0% Operating income -93.8% 264.4% 893.7% -76.2% -45.4% 24.7% 562.0%  | Net income / loss                           | -12,992  | 3,474    | 68,973  | 17,075   | 4,565   | 5,942    | 76,940  |
| Gross margin         28.3%         64.5%         61.6%         5.0%         60.0%         42.0%         65.0%           EBITDA margin on revenues         5.3%         17.9%         44.2%         25.1%         20.1%         16.8%         46.5%           EBIT margin on revenues         1.3%         8.9%         39.0%         20.3%         11.5%         8.8%         38.9%           Net margin on revenues         -6.1%         3.2%         27.7%         15.0%         4.2%         3.3%         28.7%           Tax rate         -20.6%         72.0%         17.7%         -1.2%         20.0%         20.0%         20.0%           Expenses as % of revenues         12.8%         26.7%         10.2%         22.6%         24.4%         15.6%         10.7%           Depreciation and amortisation         4.0%         9.0%         5.2%         4.8%         8.6%         8.0%         7.5%           Other operating expenses         11.9%         26.9%         10.8%         21.1%         20.4%         13.5%         10.5%           Y-Y Growth         8         46.7%         -48.2%         127.0%         -54.1%         -3.8%         62.9%         50.0%           Operating income         -93.8%         <   | Diluted EPS (in €)                          | -0.21    | 0.05     | 0.88    | 0.22     | 0.06    | 0.08     | 0.98    |
| EBITDA margin on revenues 5.3% 17.9% 44.2% 25.1% 20.1% 16.8% 46.5% EBIT margin on revenues 1.3% 8.9% 39.0% 20.3% 11.5% 8.8% 38.9% Net margin on revenues -6.1% 3.2% 27.7% 15.0% 4.2% 3.3% 28.7% Tax rate -20.6% 72.0% 17.7% -1.2% 20.0% 20.0% 20.0% Expenses as % of revenues  Personnel costs 12.8% 26.7% 10.2% 22.6% 24.4% 15.6% 10.7% Depreciation and amortisation 4.0% 9.0% 5.2% 4.8% 8.6% 8.0% 7.5% Other operating expenses 11.9% 26.9% 10.8% 21.1% 20.4% 13.5% 10.5% Y-Y Growth  Revenues 46.7% -48.2% 127.0% -54.1% -3.8% 62.9% 50.0% Operating income -93.8% 264.4% 893.7% -76.2% -45.4% 24.7% 562.0%   | Ratios                                      |          |          |         |          |         |          |         |
| EBIT margin on revenues 1.3% 8.9% 39.0% 20.3% 11.5% 8.8% 38.9% Net margin on revenues -6.1% 3.2% 27.7% 15.0% 4.2% 3.3% 28.7% Tax rate -20.6% 72.0% 17.7% -1.2% 20.0% 20.0% 20.0% Expenses as % of revenues  Personnel costs 12.8% 26.7% 10.2% 22.6% 24.4% 15.6% 10.7% Depreciation and amortisation 4.0% 9.0% 5.2% 4.8% 8.6% 8.0% 7.5% Other operating expenses 11.9% 26.9% 10.8% 21.1% 20.4% 13.5% 10.5% Y-Y Growth  Revenues 46.7% -48.2% 127.0% -54.1% -3.8% 62.9% 50.0% Operating income -93.8% 264.4% 893.7% -76.2% -45.4% 24.7% 562.0%  | Gross margin                                | 28.3%    | 64.5%    | 61.6%   | 5.0%     | 60.0%   | 42.0%    | 65.0%   |
| Net margin on revenues         -6.1%         3.2%         27.7%         15.0%         4.2%         3.3%         28.7%           Tax rate         -20.6%         72.0%         17.7%         -1.2%         20.0%         20.0%         20.0%           Expenses as % of revenues           Personnel costs         12.8%         26.7%         10.2%         22.6%         24.4%         15.6%         10.7%           Depreciation and amortisation         4.0%         9.0%         5.2%         4.8%         8.6%         8.0%         7.5%           Other operating expenses         11.9%         26.9%         10.8%         21.1%         20.4%         13.5%         10.5%           Y-Y Growth           Revenues         46.7%         -48.2%         127.0%         -54.1%         -3.8%         62.9%         50.0%           Operating income         -93.8%         264.4%         893.7%         -76.2%         -45.4%         24.7%         562.0%   | EBITDA margin on revenues                   | 5.3%     | 17.9%    | 44.2%   | 25.1%    | 20.1%   | 16.8%    | 46.5%   |
| Tax rate -20.6% 72.0% 17.7% -1.2% 20.0% 20.0% 20.0% Expenses as % of revenues  Personnel costs 12.8% 26.7% 10.2% 22.6% 24.4% 15.6% 10.7% Depreciation and amortisation 4.0% 9.0% 5.2% 4.8% 8.6% 8.0% 7.5% Other operating expenses 11.9% 26.9% 10.8% 21.1% 20.4% 13.5% 10.5% Y-Y Growth  Revenues 46.7% -48.2% 127.0% -54.1% -3.8% 62.9% 50.0% Operating income -93.8% 264.4% 893.7% -76.2% -45.4% 24.7% 562.0%   | EBIT margin on revenues                     | 1.3%     | 8.9%     | 39.0%   | 20.3%    | 11.5%   | 8.8%     | 38.9%   |
| Expenses as % of revenues         Personnel costs       12.8%       26.7%       10.2%       22.6%       24.4%       15.6%       10.7%         Depreciation and amortisation       4.0%       9.0%       5.2%       4.8%       8.6%       8.0%       7.5%         Other operating expenses       11.9%       26.9%       10.8%       21.1%       20.4%       13.5%       10.5%         Y-Y Growth         Revenues       46.7%       -48.2%       127.0%       -54.1%       -3.8%       62.9%       50.0%         Operating income       -93.8%       264.4%       893.7%       -76.2%       -45.4%       24.7%       562.0%   | Net margin on revenues                      | -6.1%    | 3.2%     | 27.7%   | 15.0%    | 4.2%    | 3.3%     | 28.7%   |
| Personnel costs 12.8% 26.7% 10.2% 22.6% 24.4% 15.6% 10.7% Depreciation and amortisation 4.0% 9.0% 5.2% 4.8% 8.6% 8.0% 7.5% Other operating expenses 11.9% 26.9% 10.8% 21.1% 20.4% 13.5% 10.5% Y-Y Growth Revenues 46.7% -48.2% 127.0% -54.1% -3.8% 62.9% 50.0% Operating income -93.8% 264.4% 893.7% -76.2% -45.4% 24.7% 562.0%   | Tax rate                                    | -20.6%   | 72.0%    | 17.7%   | -1.2%    | 20.0%   | 20.0%    | 20.0%   |
| Depreciation and amortisation         4.0%         9.0%         5.2%         4.8%         8.6%         8.0%         7.5%           Other operating expenses         11.9%         26.9%         10.8%         21.1%         20.4%         13.5%         10.5%           Y-Y Growth           Revenues         46.7%         -48.2%         127.0%         -54.1%         -3.8%         62.9%         50.0%           Operating income         -93.8%         264.4%         893.7%         -76.2%         -45.4%         24.7%         562.0%   | Expenses as % of revenues                   |          |          |         |          |         |          |         |
| Other operating expenses       11.9%       26.9%       10.8%       21.1%       20.4%       13.5%       10.5%         Y-Y Growth       Revenues       46.7%       -48.2%       127.0%       -54.1%       -3.8%       62.9%       50.0%         Operating income       -93.8%       264.4%       893.7%       -76.2%       -45.4%       24.7%       562.0%  | Personnel costs                             | 12.8%    | 26.7%    | 10.2%   | 22.6%    | 24.4%   | 15.6%    | 10.7%   |
| Y-Y Growth  Revenues 46.7% -48.2% 127.0% -54.1% -3.8% 62.9% 50.0%  Operating income -93.8% 264.4% 893.7% -76.2% -45.4% 24.7% 562.0%   | Depreciation and amortisation               | 4.0%     | 9.0%     | 5.2%    | 4.8%     | 8.6%    | 8.0%     | 7.5%    |
| Revenues       46.7%       -48.2%       127.0%       -54.1%       -3.8%       62.9%       50.0%         Operating income       -93.8%       264.4%       893.7%       -76.2%       -45.4%       24.7%       562.0%  | Other operating expenses                    | 11.9%    | 26.9%    | 10.8%   | 21.1%    | 20.4%   | 13.5%    | 10.5%   |
| Operating income -93.8% 264.4% 893.7% -76.2% -45.4% 24.7% 562.0%  | Y-Y Growth                                  |          |          |         |          |         |          |         |
|   | Revenues                                    | 46.7%    | -48.2%   | 127.0%  | -54.1%   | -3.8%   | 62.9%    | 50.0%   |
| Net income/ loss n.m. n.m. 1885.4% -75.2% -73.3% 30.2% 1194.9%  | Operating income                            | -93.8%   | 264.4%   | 893.7%  | -76.2%   | -45.4%  | 24.7%    | 562.0%  |
|   | Net income/ loss                            | n.m.     | n.m.     | 1885.4% | -75.2%   | -73.3%  | 30.2%    | 1194.9% |



# **BALANCE SHEET**

| All figures in EUR '000                             | 2014A       | 2015A       | 2016A                    | 2017A                    | 2018E                    | 2019E                    | 2020E   |
|---|-------------|-------------|--------------------------|--------------------------|--------------------------|--------------------------|---------|
| Assets  |             |             |                          |                          |                          |                          |         |
| Current assets, total                               | 265,935     | 236,033     | 289,776                  | 308,379                  | 214,330                  | 200,326                  | 345,440 |
| Cash and cash equivalents                           | 72,175      | 86,075      | 147,686                  | 193,984                  | 108,764                  | 75,095                   | 223,367 |
| Short-term investments                              | 0           | 0           | 0                        | 0                        | 0                        | 0                        | 0       |
| Receivables   | 20,098      | 7,969       | 13,187                   | 5,119                    | 10,519                   | 17,134                   | 22,035  |
| Inventories Other current assets                    | 152,389     | 121,177     | 112,946                  | 86,361                   | 72,132                   | 85,182                   | 77,123  |
| Other current assets                                | 21,273      | 20,812      | 15,957                   | 22,915                   | 22,915                   | 22,915                   | 22,915  |
| Non-current assets, total                           | 150,900     | 252,231     | 142,218                  | 184,905                  | 241,775                  | 370,469                  | 189,392 |
| Property, plant & equipment                         | 73,655      | 167,347     | 39,230                   | 103,872                  | 160,167                  | 288,861                  | 107,784 |
| Goodwill & other intangibles                        | 63,926      | 63,105      | 67,400                   | 66,825                   | 67,400                   | 67,400                   | 67,400  |
| Long-term investments / ass. companies Other assets | 0<br>13,319 | 0<br>21 770 | 0<br>25 500              | 14 209                   | 14 209                   | 14 209                   | 14 209  |
| Total assets  |             | 21,779      | 35,588<br><b>431,994</b> | 14,208<br><b>493,285</b> | 14,208<br><b>456,105</b> | 14,208<br><b>570,795</b> | 14,208  |
| Total assets  | 416,835     | 488,264     | 431,994                  | 493,205                  | 450,105                  | 570,795                  | 534,832 |
| Shareholders' equity & debt                         |             |             |                          |                          |                          |                          |         |
| Current liabilities, total                          | 95,034      | 84,858      | 73,922                   | 179,150                  | 91,172                   | 123,782                  | 91,631  |
| Short-term debt                                     | 34,940      | 35,857      | 2,163                    | 107,109                  | 30,000                   | 60,000                   | 20,000  |
| Accounts payable                                    | 21,476      | 16,852      | 15,692                   | 25,295                   | 14,426                   | 17,036                   | 17,995  |
| Current provisions                                  | 3,908       | 6,291       | 3,968                    | 4,858                    | 4,858                    | 4,858                    | 4,858   |
| Other current liabilities                           | 34,710      | 25,858      | 52,099                   | 41,888                   | 41,888                   | 41,888                   | 48,778  |
| Long-term liabilities, total                        | 161,606     | 237,478     | 128,685                  | 78,915                   | 129,410                  | 209,410                  | 139,410 |
| Long-term debt                                      | 141,207     | 215,975     | 115,860                  | 72,751                   | 122,751                  | 202,751                  | 132,751 |
| Deferred revenue                                    | 0           | 0           | 0                        | 0                        | 0                        | 0                        | 0       |
| Other liabilities                                   | 20,399      | 21,503      | 12,825                   | 6,163                    | 6,658                    | 6,658                    | 6,658   |
| Minority interests                                  | 33          | -3,102      | -5,393                   | -7,679                   | -8,879                   | -9,679                   | -10,479 |
| Shareholders' equity                                | 160,162     | 169,030     | 234,781                  | 242,899                  | 244,402                  | 247,281                  | 314,269 |
| Share capital                                       | 71,975      | 76,555      | 76,556                   | 76,556                   | 76,556                   | 76,556                   | 76,556  |
| Capital reserve                                     | 77,803      | 82,287      | 82,288                   | 82,288                   | 82,288                   | 82,288                   | 82,288  |
| Other reserves                                      | -296        | -724        | -997                     | -908                     | -908                     | -908                     | -908    |
| Treasury stock                                      | 0           | 0           | 0                        | 0                        | 0                        | 0                        | 0       |
| Retained earnings                                   | 10,680      | 10,912      | 76,934                   | 84,962                   | 86,465                   | 89,345                   | 156,333 |
| Total consolidated equity and debt                  | 416,835     | 488,264     | 431,994                  | 493,285                  | 456,105                  | 570,795                  | 534,832 |
| Ratios  |             |             |                          |                          |                          |                          |         |
| Current ratio (x)                                   | 2.80        | 2.78        | 3.92                     | 1.72                     | 2.35                     | 1.62                     | 3.77    |
| Quick ratio (x)                                     | 1.19        | 1.35        | 2.39                     | 1.24                     | 1.56                     | 0.93                     | 2.93    |
| Net cash  | -103,972    | -165,757    | 29,663                   | 14,124                   | -43,987                  | -187,657                 | 70,615  |
| Net gearing   | 64.9%       | 98.1%       | -12.6%                   | -5.8%                    | 18.0%                    | 75.9%                    | -22.5%  |
| Book value per share (€)                            | 2.60        | 2.16        | 2.92                     | 2.99                     | 2.99                     | 3.02                     | 3.86    |
| Tangible book value per share (€)                   | 1.62        | 1.37        | 2.11                     | 2.18                     | 2.19                     | 2.21                     | 3.05    |
| Equity ratio (incl. minorities)                     | 38.4%       | 34.0%       | 53.1%                    | 47.7%                    | 51.6%                    | 41.6%                    | 56.8%   |
| Return on equity (ROE)                              | -8.1%       | 2.1%        | 29.4%                    | 7.0%                     | 1.9%                     | 2.4%                     | 24.5%   |
| Return on assets (ROA)                              | 0.5%        | 4.1%        | 20.0%                    | 5.6%                     | 3.2%                     | 3.0%                     | 16.5%   |
| Return on investment (ROI)                          | -3.1%       | 0.7%        | 16.0%                    | 3.5%                     | 1.0%                     | 1.0%                     | 14.4%   |
| Return on capital employed (ROCE)                   | 0.9%        | 3.1%        | 34.3%                    | 10.5%                    | 4.9%                     | 4.4%                     | 31.1%   |
| Days sales outstanding (DSO)                        | 34.7        | 26.6        | 19.4                     | 16.4                     | 35.0                     | 35.0                     | 30.0    |
| Days inventory outstanding (DIO)                    | 326.2       | 285.5       | 425.2                    | 290.8                    | 600.0                    | 300.0                    | 300.0   |
| Days payables outstanding (DPO)                     | 46.0        | 39.7        | 59.1                     | 85.2                     | 120.0                    | 60.0                     | 70.0    |



# **CASH FLOW STATEMENT**

| All figures in EUR '000         | 2014A   | 2015A    | 2016A    | 2017A   | 2018E   | 2019E    | 2020E    |
|---------------------------------|---------|----------|----------|---------|---------|----------|----------|
| EBIT                            | 2,681   | 9,765    | 97,040   | 23,129  | 12,635  | 15,759   | 104,321  |
| Depreciation and amortisation   | 8,554   | 9,898    | 12,884   | 5,466   | 9,445   | 14,255   | 20,220   |
| EBITDA                          | 11,235  | 19,663   | 109,924  | 28,595  | 22,080  | 30,014   | 124,542  |
| Changes in working capital      | -28,886 | -74,556  | 58,583   | 12,292  | -2,039  | -17,055  | 4,117    |
| Other adjustments               | -11,845 | -47,582  | -104,081 | -18,257 | -9,269  | -10,617  | -28,181  |
| Operating cash flow             | -29,496 | -102,475 | 64,426   | 22,630  | 10,772  | 2,341    | 100,477  |
| Investments in PP&E             | -4,829  | -2,903   | -108,699 | -70,015 | -65,820 | -142,949 | 160,857  |
| Investments in intangibles      | 0       | 0        | 0        | 0       | 0       | 0        | 0        |
| Free cash flow                  | -34,325 | -105,378 | -44,273  | -47,385 | -55,048 | -140,607 | 261,334  |
| Acquisitions & disposals, net   | -81     | 23,258   | 106,876  | 51,300  | 0       | 0        | 0        |
| Other investments               | 0       | -255     | -418     | -7,535  | 0       | 0        | 0        |
| Cash flow from investing        | -4,910  | 20,100   | -2,241   | -26,250 | -65,820 | -142,949 | 160,857  |
| Debt financing, net             | 11,137  | 97,715   | 23,171   | 59,106  | -27,109 | 110,000  | -110,000 |
| Equity financing, net           | 33,435  | 9,454    | 0        | 0       | 0       | 0        | 0        |
| Dividends paid                  | -8,229  | -3,062   | -3,062   | -9,187  | -3,062  | -3,062   | -3,062   |
| Other financing                 | -2,302  | -2,221   | 0        | 0       | 0       | 0        | 0        |
| Cash flow from financing        | 34,041  | 101,886  | 20,109   | 49,919  | -30,171 | 106,938  | -113,062 |
| Forex and other changes in cash | -4,862  | -5,611   | -20,684  | -1      | 0       | 0        | 0        |
| Net cash flows                  | -5,227  | 13,900   | 61,609   | 46,298  | -85,220 | -33,670  | 148,272  |
| Cash, start of the year         | 77,402  | 72,175   | 86,076   | 147,686 | 193,984 | 108,764  | 75,095   |
| Cash, end of the year           | 72,175  | 86,075   | 147,686  | 193,984 | 108,764 | 75,095   | 223,367  |
| EBITDA/share (in €)             | 0.18    | 0.26     | 1.40     | 0.36    | 0.28    | 0.38     | 1.58     |
| Operating cashflow/share (in €) | -0.48   | -1.33    | 0.82     | 0.29    | 0.14    | 0.03     | 1.28     |
| Y-Y Growth                      |         |          |          |         |         |          |          |
| Operating cash flow             | n.m.    | n.m.     | n.m.     | -64.9%  | -52.4%  | -78.3%   | 4191.2%  |
| Free cash flow                  | n.m.    | n.m.     | n.m.     | n.m.    | n.m.    | n.m.     | n.m.     |
| EBITDA/share                    | -81.2%  | 40.4%    | 447.5%   | -74.0%  | -22.8%  | 35.9%    | 314.9%   |



### FIRST BERLIN RECOMMENDATION & PRICE TARGET HISTORY

| Report<br>No.:    | Date of publication | Previous day closing price | Recommendation | Price<br>target |
|-------------------|---------------------|----------------------------|----------------|-----------------|
| Initial<br>Report | 31 March 2008       | €2.38                      | Buy            | €4.50           |
| 291               | $\downarrow$        | $\downarrow$               | $\downarrow$   | <b>↓</b>        |
| 92                | 12 April 2018       | €2.48                      | Buy            | €3.80           |
| 93                | 14 May 2018         | €2.49                      | Buy            | €3.80           |
| 94                | 10 August 2018      | €2.50                      | Buy            | €3.80           |
| 95                | Today               | €2.50                      | Buy            | €3.60           |

Authored by: Dr. Karsten von Blumenthal, Analyst

Company responsible for preparation:

First Berlin Equity Research GmbH Mohrenstraße 34 10117 Berlin

Tel. +49 (0)30 - 80 93 96 85 Fax +49 (0)30 - 80 93 96 87

info@firstberlin.com www.firstberlin.com

Person responsible for forwarding or distributing this financial analysis: Martin Bailey

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#### ASSET RECOMMENDATION

The recommendations determined in accordance with the share price trend anticipated by First Berlin in the respectively indicated investment period are as follows:

| Category<br>Current market capitalisation (in €) |  |               | 2           |
|--|--|---------------|-------------|
|  |  | 0 - 2 billion | > 2 billion |
| Strong Buy <sup>1</sup>                          | An expected favourable price trend of: | > 50%         | > 30%       |
| Buy  | An expected favourable price trend of: | > 25%         | > 15%       |
| Add  | An expected favourable price trend of: | 0% to 25%     | 0% to 15%   |
| Reduce   | An expected negative price trend of:   | 0% to -15%    | 0% to -10%  |
| Sell   | An expected negative price trend of:   | < -15%        | < -10%      |

<sup>&</sup>lt;sup>1</sup> The expected price trend is in combination with sizable confidence in the quality and forecast security of management.

Our recommendation system places each company into one of two market capitalisation categories. Category 1 companies have a market capitalisation of  $\le 0 - \le 2$  billion, and Category 2 companies have a market capitalisation of  $> \le 2$  billion. The expected return thresholds underlying our recommendation system are lower for Category 2 companies than for Category 1 companies. This reflects the generally lower level of risk associated with higher market capitalisation companies.

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