

# **ABO Wind AG**

Deutschland / Cleantech Börse München Bloomberg: AB9 GR ISIN: DE0005760029

Update

**RATING** PRICE TARGET

**BUY** € 112.00

**Return Potential** 77.8% Risk Rating High

# **GUIDANCE RAISED FOR 2022 AND 2023**

After a better than expected performance in the second half of the year with the sale of some large wind farm and solar projects (515 MW wind farm project in Canada, two 100 MW solar projects in South Africa), ABO Wind has raised its net profit guidance from €13.8m to almost €17m. The company is now also more optimistic for 2023 and expects a net profit between €22m - €26m.Previously, ABO Wind had expected to exceed the €20m threshold in 2024. We increase our net profit estimate for 2022 to €16.8m and see the net profit guidance for 2023 as a confirmation of our forecast of €24m. In addition to the large international green power project pipeline of over 20 GW (as of August 2022), ABO Wind has built up an international hydrogen project pipeline of approximately 15 GW. We believe that the company is in an excellent position to generate profitable growth in the coming years. An updated DCF model yields a new price target of €112 (previously: €109). We believe that the share is attractively valued (appreciation potential: ~80%) and reiterate our Buy recommendation.

First Polish wind farm brought online With the connection of the Donaboròw wind farm (20 MW) to the power grid, ABO Wind has completed its first Polish wind farm. This is an important milestone for the company, which has been operating in Poland since 2017 and currently has 14 employees working on wind, solar and battery projects with a capacity of more than 400 MW.

First large stand-alone battery storage started operation in October With the commissioning of its first large stand-alone battery storage in Northern Ireland, ABO Wind has reached an important milestone in the field of battery storage. The Kells facility has a capacity of 50 MW, or 25 MWh. A response time of less than 150 milliseconds makes it one of the fastest storage systems in the world. The high-performance battery provides services to stabilise...

(p.t.o.)

# **FINANCIAL HISTORY & PROJECTIONS**

|                    | 2019   | 2020   | 2021   | 2022E  | 2023E  | 2024E  |
|--------------------|--------|--------|--------|--------|--------|--------|
| Revenue (€m)       | 126.27 | 149.16 | 127.11 | 212.39 | 267.25 | 304.13 |
| Y-o-y growth       | -16.0% | 18.1%  | -14.8% | 67.1%  | 25.8%  | 13.8%  |
| EBIT (€m)          | 19.64  | 22.46  | 22.45  | 28.44  | 39.62  | 44.52  |
| EBIT margin        | 15.6%  | 15.1%  | 17.7%  | 13.4%  | 14.8%  | 14.6%  |
| Net income (€m)    | 11.40  | 13.12  | 13.80  | 16.82  | 23.96  | 27.16  |
| EPS (diluted) (€)  | 1.48   | 1.54   | 1.50   | 1.82   | 2.60   | 2.95   |
| DPS (€)            | 0.42   | 0.45   | 0.49   | 0.49   | 0.57   | 0.65   |
| FCF (€m)           | -24.42 | 40.53  | -54.05 | -16.84 | 10.69  | 18.33  |
| Net gearing        | 63.0%  | 5.3%   | 45.0%  | 57.3%  | 50.9%  | 42.0%  |
| Liquid assets (€m) | 9.65   | 52.80  | 18.47  | 72.05  | 55.92  | 76.27  |

#### RISKS

Main risks are project development, supply chain, financing, interest rate, and regulation.

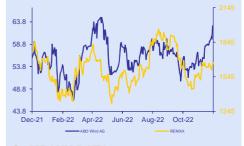
#### **COMPANY PROFILE**

ABO Wind is a project developer for renewable energies and has developed green power and storage projects with a total capacity of ca. 5 GW since ist establishment in 1996. The company also offers the management of wind farms, solar plants and storages. ABO Wind has ca. 1.000 employees. Its headquarters are in Wiesbaden, Germany.

| MARKET DATA             | As of 02 Dec 2022 |
|-------------------------|-------------------|
| Closing Price           | € 63.00           |
| Shares outstanding      | 9.22m             |
| Market Capitalisation   | € 580.92m         |
| 52-week Range           | € 46.30 / 64.80   |
| Avg. Volume (12 Months) | 2,842             |

| Multiples | 2021 | 2022E | 2023E |
|-----------|------|-------|-------|
| P/E       | 42.1 | 34.5  | 24.2  |
| EV/Sales  | 5.1  | 3.1   | 2.4   |
| EV/EBIT   | 28.9 | 22.8  | 16.4  |
| Div Yield | 0.8% | 0.8%  | 0.9%  |

### STOCK OVERVIEW



| COMPANY DATA         | As of 30 Jun 2022 |
|----------------------|-------------------|
| Liquid Assets        | € 10.72m          |
| Current Assets       | € 316.70m         |
| Intangible Assets    | € 1.43m           |
| Total Assets         | € 334.71m         |
| Current Liabilities  | € 72.90m          |
| Shareholders' Equity | € 155.17m         |
|                      |                   |
| SHAREHOLDERS         |                   |
| Familie Ahn          | 26.0%             |

| Familie Ahn      | 26.0% |
|------------------|-------|
| Familie Bockholt | 26.0% |
| Mainova          | 10.0% |
| Free Float       | 38.0% |
|                  |       |

...the Irish electricity grid to accommodate for the volatile wind power production. ABO Wind is currently planning many similar projects in several countries. In Germany, the company has received three construction permits this year for battery-only projects, which will be completed before the end of the year.

**Two 100 MW solar projects sold in South Africa** After reaching certain milestones, the purchase agreements concluded in 2021 became binding this September. The two projects are expected to be Africa's largest renewable energy projects to date, which are financed through a power purchase agreement (PPA). ABO Wind has been active in South Africa since 2018. The Cape Town-based team of 16 is currently working on wind and solar projects with a total capacity of 4,000 MW.

**Project rights to 515 MW wind farm in Canada sold** The large-scale project in the province of Alberta is ready for construction after the Alberta Utility Commission issued permits for the construction of 83 Siemens Gamesa turbines, each with a capacity of 6.2 MW, as well as for the grid connection. The planned annual electricity production of 1,500 GWh shows the excellent wind conditions with full load hours of almost 3,000 MWh/MW.

€70m promissory note loan placed In order to finance the targeted growth, ABO Wind placed a promissory note loan with 17 banks in September. Due to the strong interest, the originally planned sum of €50m was increased by 40%. The tranches of the promissory note loan have both fixed and variable interest rates and maturities of three, five and seven years.

Forecasts raised for 2022 We assume a better product mix for 2022 and 2023 (more sales of project rights relative to sales of turnkey green power plants). This leads to higher earnings contributions at unchanged sales forecasts. Our estimate for the 2022 net income increases by 18%. The higher debt leads to higher interest expenses, resulting in a similar net income forecast in 2023 despite the higher operating result forecast. However, we have lowered our 2024 net result forecast by 11%, as we assume that higher material costs will be reflected in the P&L with a delay (turbine delivery time: 18-24 months). We also increased our 2024 personnel expenses forecast.

Figure 1: Revisions to forecasts

|                    |       | 2022E |       |       | 2023E |       |       | 2024E |       |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| All figures in €m  | Old   | New   | Delta | Old   | New   | Delta | Old   | New   | Delta |
| Sales              | 212.4 | 212.4 | 0%    | 267.2 | 267.2 | 0%    | 304.1 | 304.1 | 0%    |
| EBIT               | 23.9  | 28.4  | 19%   | 38.2  | 39.6  | 4%    | 48.0  | 44.5  | -7%   |
| margin             | 11.2% | 13.4% |       | 14.3% | 14.8% |       | 15.8% | 14.6% |       |
| Net income         | 14.3  | 16.8  | 18%   | 24.0  | 24.0  | 0%    | 30.6  | 27.2  | -11%  |
| margin             | 6.7%  | 7.9%  |       | 9.0%  | 9.0%  |       | 10.1% | 8.9%  |       |
| EPS (diluted) in € | 1.55  | 1.82  | 18%   | 2.60  | 2.60  | 0%    | 3.32  | 2.95  | -11%  |

Source: First Berlin Equity Research

Buy recommendation reiterated at slightly higher price target An updated DCF model yields a new price target of €112 (previously: €109). We still see strong appreciation potential (~80%) and confirm our Buy recommendation.



| DCF valuation model                |          |          |          |          |         |         |         |         |
|------------------------------------|----------|----------|----------|----------|---------|---------|---------|---------|
| All figures in EUR '000            | 2022E    | 2023E    | 2024E    | 2025E    | 2026E   | 2027E   | 2028E   | 2029E   |
| Net sales                          | 212,390  | 267,249  | 304,129  | 343,058  | 384,069 | 460,883 | 508,186 | 556,048 |
| NOPLAT                             | 20,888   | 29,352   | 32,885   | 37,325   | 41,399  | 50,011  | 55,171  | 60,204  |
| + depreciation & amortisation      | 2,105    | 2,233    | 2,527    | 2,952    | 3,415   | 3,893   | 4,495   | 5,090   |
| Net operating cash flow            | 22,993   | 31,585   | 35,412   | 40,277   | 44,814  | 53,905  | 59,665  | 65,294  |
| - total investments (CAPEX and WC) | -39,828  | -20,894  | - 17,081 | -20,776  | -30,103 | -52,972 | -35,057 | -35,705 |
| Capital expenditures               | -2,973   | -3,741   | -4,258   | -4,803   | -5,290  | -6,243  | -6,768  | -7,279  |
| Working capital                    | -36,855  | - 17,153 | - 12,823 | - 15,973 | -24,814 | -46,729 | -28,289 | -28,426 |
| Free cash flows (FCF)              | - 16,835 | 10,691   | 18,331   | 19,501   | 14,711  | 933     | 24,609  | 29,589  |
| PV of FCF's                        | -16,760  | 9,977    | 16,033   | 15,990   | 11,307  | 672     | 16,619  | 18,732  |

| All figures in thousands                    |           |
|---|-----------|
| PV of FCFs in explicit period (2022E-2036E) | 239,111   |
| PV of FCFs in terminal period               | 858,170   |
| Enterprise value (EV)                       | 1,097,281 |
| + Net cash / - net debt                     | -67,475   |
| + Investments / minority interests          | 41        |
| Shareholder value                           | 1,029,847 |
| Number of shares (diluted)                  | 9,221     |
| Fair value per share in EUR                 | 111.69    |

| Terminal grow th     | 3.5%  |
|----------------------|-------|
| Terminal EBIT margin | 13.9% |

| WACC                        | 6.7%   |
|-----------------------------|--------|
| Cost of equity              | 10.6%  |
| Pre-tax cost of debt        | 4.0%   |
| Tax rate                    | 30.0%  |
| After-tax cost of debt      | 2.8%   |
| Share of equity capital     | 50.0%  |
| Share of debt capital       | 50.0%  |
| Fair value per share in EUR | 112.00 |

|      | Terminal grow to rate |        |        |        |        |        |         |  |  |  |
|------|-----------------------|--------|--------|--------|--------|--------|---------|--|--|--|
|      | 2.0%                  | 2.5%   | 3.0%   | 3.5%   | 4.0%   | 4.5%   | 5.0%    |  |  |  |
| 5.2% | 145.83                | 165.00 | 192.99 | 237.69 | 320.43 | 525.75 | 1904.31 |  |  |  |
| 5.7% | 120.82                | 133.46 | 150.82 | 176.16 | 216.63 | 291.54 | 477.43  |  |  |  |
| 6.2% | 101.98                | 110.68 | 122.11 | 137.81 | 160.74 | 197.35 | 265.12  |  |  |  |
| 6.7% | 87.32                 | 93.50  | 101.35 | 111.69 | 125.88 | 146.60 | 179.70  |  |  |  |
| 7.2% | 75.61                 | 80.11  | 85.69  | 92.79  | 102.12 | 114.94 | 133.65  |  |  |  |
| 7.7% | 66.08                 | 69.42  | 73.48  | 78.51  | 84.91  | 93.33  | 104.89  |  |  |  |
| 8.2% | 58.18                 | 60.70  | 63.72  | 67.38  | 71.91  | 77.68  | 85.26   |  |  |  |
|      | _                     |        |        |        |        |        |         |  |  |  |

 $<sup>^{\</sup>star}$  for layout purposes the model shows numbers only to 2029, but runs until 2036



# **INCOME STATEMENT**

| All figures in EUR '000        | 2019A   | 2020A   | 2021A   | 2022E   | 2023E   | 2024E   |
|--------------------------------|---------|---------|---------|---------|---------|---------|
| Revenues                       | 126,273 | 149,155 | 127,109 | 212,390 | 267,249 | 304,129 |
| Changes in inventory           | 22,752  | 20,206  | 60,346  | 38,230  | 46,769  | 51,702  |
| Ow n w ork                     | 233     | 0       | 0       | 0       | 0       | 0       |
| Total output                   | 149,258 | 169,361 | 187,455 | 250,620 | 314,018 | 355,831 |
| Cost of goods sold             | 66,582  | 72,592  | 78,280  | 126,584 | 170,238 | 198,292 |
| Gross profit                   | 82,676  | 96,769  | 109,175 | 124,036 | 143,780 | 157,539 |
| Personnel costs                | 41,361  | 50,776  | 63,397  | 67,502  | 72,216  | 78,932  |
| Other operating income         | 3,451   | 6,362   | 5,141   | 4,248   | 5,345   | 6,083   |
| Other operating expenses       | 17,143  | 17,593  | 20,440  | 22,301  | 26,725  | 28,892  |
| EBITDA                         | 27,623  | 34,762  | 30,479  | 38,481  | 50,184  | 55,797  |
| Depreciation and amortisation  | 1,542   | 1,649   | 1,929   | 2,105   | 2,233   | 2,527   |
| Depreciation of current assets | 6,437   | 10,653  | 6,102   | 7,933   | 8,329   | 8,746   |
| Operating income (EBIT)        | 19,644  | 22,460  | 22,448  | 28,443  | 39,622  | 44,525  |
| Net financial result           | -1,570  | -1,755  | -1,485  | -4,072  | -5,389  | -5,725  |
| Pre-tax income (EBT)           | 18,074  | 20,705  | 20,963  | 24,371  | 34,232  | 38,800  |
| Income taxes                   | 6,668   | 7,589   | 7,152   | 7,555   | 10,270  | 11,640  |
| Minority interests             | -4      | 4       | -6      | 0       | 0       | 0       |
| Net income / loss              | 11,402  | 13,120  | 13,804  | 16,816  | 23,963  | 27,160  |
| Diluted EPS (in €)             | 1.48    | 1.54    | 1.50    | 1.82    | 2.60    | 2.95    |
| Ratios                         |         |         |         |         |         |         |
| Gross margin on total output   | 55.4%   | 57.1%   | 58.2%   | 49.5%   | 45.8%   | 44.3%   |
| EBITDA margin on revenues      | 21.9%   | 23.3%   | 24.0%   | 18.1%   | 18.8%   | 18.3%   |
| EBIT margin on revenues        | 15.6%   | 15.1%   | 17.7%   | 13.4%   | 14.8%   | 14.6%   |
| EBT margin on revenues         | 14.3%   | 13.9%   | 16.5%   | 11.5%   | 12.8%   | 12.8%   |
| Net margin on revenues         | 9.0%    | 8.8%    | 10.9%   | 7.9%    | 9.0%    | 8.9%    |
| Tax rate                       | 36.9%   | 36.7%   | 34.1%   | 31.0%   | 30.0%   | 30.0%   |
| Expenses as % of revenues      |         |         |         |         |         |         |
| Personnel costs                | 32.8%   | 34.0%   | 49.9%   | 31.8%   | 27.0%   | 26.0%   |
| Depreciation and amortisation  | 1.2%    | 1.1%    | 1.5%    | 1.0%    | 0.8%    | 0.8%    |
| Depreciation of current assets | 5.1%    | 7.1%    | 4.8%    | 3.7%    | 3.1%    | 2.9%    |
| Other operating expenses       | 13.6%   | 11.8%   | 16.1%   | 10.5%   | 10.0%   | 9.5%    |
| Y-Y Growth                     |         |         |         |         |         |         |
| Revenues                       | -16.0%  | 18.1%   | -14.8%  | 67.1%   | 25.8%   | 13.8%   |
| Operating income               | -11.6%  | 14.3%   | -0.1%   | 26.7%   | 39.3%   | 12.4%   |
| Net income/ loss               | -10.5%  | 15.1%   | 5.2%    | 21.8%   | 42.5%   | 13.3%   |



# **BALANCE SHEET**

| All figures in EUR '000                   | 2019A   | 2020A   | 2021A   | 2022E   | 2023E   | 2024E   |
|---|---------|---------|---------|---------|---------|---------|
| Assets                                    |         |         |         |         |         |         |
| Current assets, total                     | 232,427 | 236,761 | 282,609 | 376,347 | 383,346 | 420,362 |
| Cash and cash equivalents                 | 9,648   | 52,798  | 18,472  | 72,049  | 55,916  | 76,265  |
| Short-term investments                    | 17,665  | 9,331   | 11,684  | 11,684  | 11,684  | 11,684  |
| Receivables                               | 20,678  | 34,020  | 10,860  | 34,913  | 43,931  | 49,994  |
| Inventories                               | 80,171  | 64,398  | 133,019 | 149,127 | 163,242 | 173,845 |
| Other current assets                      | 102,749 | 74,825  | 105,708 | 105,708 | 105,708 | 105,708 |
| Non-current assets, total                 | 10,132  | 12,501  | 14,451  | 15,320  | 16,828  | 18,559  |
| Property, plant & equipment               | 5,208   | 5,653   | 7,234   | 8,047   | 9,403   | 10,946  |
| Goodwill & other intangibles              | 1,298   | 1,116   | 1,474   | 1,530   | 1,682   | 1,870   |
| Financial assets                          | 3,626   | 5,732   | 5,743   | 5,743   | 5,743   | 5,743   |
| Other assets                              | 0       | 0       | 0       | 0       | 0       | 0       |
| Total assets                              | 242,559 | 249,262 | 297,060 | 391,667 | 400,174 | 438,921 |
| Shareholders' equity & debt               |         |         |         |         |         |         |
| Current liabilities, total                | 69,146  | 44,700  | 56,483  | 79,709  | 69,510  | 84,091  |
| Short-term debt                           | 19,362  | 8,594   | 8,997   | 28,917  | 12,000  | 22,000  |
| Accounts payable                          | 10,380  | 7,081   | 14,034  | 17,340  | 23,320  | 27,163  |
| Current provisions                        | 24,572  | 19,634  | 21,355  | 21,355  | 21,355  | 21,355  |
| Other current liabilities                 | 14,832  | 9,391   | 12,097  | 12,097  | 12,835  | 13,572  |
| Long-term liabilities, total              | 69,837  | 64,446  | 90,713  | 149,796 | 149,796 | 152,796 |
| Long-term debt                            | 55,487  | 51,662  | 76,950  | 136,033 | 136,033 | 139,033 |
| Deferred revenue                          | 0       | 0       | 0       | 0       | 0       | 0       |
| Other liabilities                         | 14,350  | 12,784  | 13,763  | 13,763  | 13,763  | 13,763  |
| Minority interests                        | 37      | 30      | 41      | 41      | 41      | 41      |
| Shareholders' equity                      | 103,539 | 140,086 | 149,823 | 162,121 | 180,828 | 201,994 |
| Share capital                             | 8,071   | 9,221   | 9,221   | 9,221   | 9,221   | 9,221   |
| Capital reserve                           | 19,495  | 45,490  | 45,490  | 45,490  | 45,490  | 45,490  |
| Other reserves                            | 0       | 0       | 0       | 0       | 0       | 0       |
| Loss carryforward / retained earnings     | 76,213  | 85,671  | 95,329  | 107,627 | 126,334 | 147,500 |
| Total consolidated equity and debt        | 242,559 | 249,262 | 297,060 | 391,667 | 400,174 | 438,921 |
| Ratios                                    |         |         |         |         |         |         |
| Current ratio (x)                         | 3.36    | 5.30    | 5.00    | 4.72    | 5.51    | 5.00    |
| Quick ratio (x)                           | 2.20    | 3.86    | 2.65    | 2.85    | 3.17    | 2.93    |
| Net debt                                  | 65,201  | 7,458   | 67,475  | 92,901  | 92,117  | 84,768  |
| Net gearing                               | 63.0%   | 5.3%    | 45.0%   | 57.3%   | 50.9%   | 42.0%   |
| Book value per share (in €)               | 13.42   | 16.47   | 16.25   | 17.58   | 19.61   | 21.91   |
| Equity ratio                              | 42.7%   | 56.2%   | 50.4%   | 41.4%   | 45.2%   | 46.0%   |
| Return on equity (ROE)                    | 11.0%   | 9.4%    | 9.2%    | 10.4%   | 13.3%   | 13.4%   |
| Return on assets (ROA)                    | 5.5%    | 6.2%    | 5.4%    | 5.4%    | 7.4%    | 7.6%    |
| Return on investment (ROI)                | 4.7%    | 5.3%    | 4.6%    | 4.3%    | 6.0%    | 6.2%    |
| Return on average capital employed (ROCE) | 13.4%   | 14.2%   | 12.1%   | 11.9%   | 14.9%   | 15.8%   |
| Days of sales outstanding (DSO)           | 59.8    | 83.3    | 31.2    | 60.0    | 60.0    | 60.0    |
| Days inventory outstanding (DIO)          | 439.5   | 323.8   | 620.2   | 430.0   | 350.0   | 320.0   |
| Days in payables (DIP)                    | 56.9    | 35.6    | 65.4    | 50.0    | 50.0    | 50.0    |



| All figures in EUR '000         | 2019A   | 2020A   | 2021A   | 2022E   | 2023E   | 2024E   |
|---------------------------------|---------|---------|---------|---------|---------|---------|
| EBIT                            | 19,644  | 22,460  | 22,448  | 28,443  | 39,622  | 44,525  |
| Depreciation and amortisation * | 1,542   | 1,649   | 1,929   | 2,105   | 2,233   | 2,527   |
| EBITDA                          | 21,186  | 24,109  | 24,377  | 30,548  | 41,855  | 47,052  |
| Changes in working capital      | -37,895 | 28,412  | -68,555 | -36,855 | -17,153 | -12,823 |
| Other adjustments               | -5,086  | -10,048 | -6,558  | -7,555  | -10,270 | -11,640 |
| Operating cash flow             | -21,795 | 42,473  | -50,736 | -13,862 | 14,432  | 22,588  |
| Investments in PP&E             | -1,965  | -1,774  | -2,941  | -2,549  | -3,207  | -3,650  |
| Investments in intangibles      | -661    | -173    | -375    | -425    | -534    | -608    |
| Free cash flow                  | -24,421 | 40,526  | -54,052 | -16,835 | 10,691  | 18,331  |
| Acquisitions & disposals, net   | 91      | 7       | 462     | 0       | 0       | 0       |
| Other investments               | 282     | -1,651  | -1,004  | 0       | 0       | 0       |
| Investment cash flow            | -2,253  | -3,591  | -3,858  | -2,973  | -3,741  | -4,258  |
| Debt financing, net             | 34,323  | -16,575 | 26,764  | 79,003  | -16,917 | 13,000  |
| Equity financing, net           | 0       | 27,145  | 0       | 0       | 0       | 0       |
| Dividends paid                  | -3,211  | -3,558  | -4,149  | -4,518  | -4,518  | -5,256  |
| Other financing                 | -1,948  | -2,573  | -2,328  | -4,072  | -5,389  | -5,725  |
| Financing cash flow             | 29,164  | 4,438   | 20,287  | 70,413  | -26,825 | 2,019   |
| FOREX & other effects           | 15      | -170    | 19      | 0       | 0       | 0       |
| Net cash flows                  | 5,131   | 43,150  | -34,288 | 53,577  | -16,134 | 20,350  |
| Cash, start of the year         | 4,517   | 9,648   | 52,798  | 18,472  | 72,049  | 55,916  |
| Cash, end of the year           | 9,648   | 52,798  | 18,510  | 72,049  | 55,916  | 76,265  |
| EBITDA/share (in €)             | 3.58    | 4.09    | 3.31    | 4.17    | 5.44    | 6.05    |
| Y-Y Growth                      |         |         |         |         |         |         |
| Operating cash flow             | n.m.    | n.m.    | n.m.    | n.m.    | n.m.    | 56.5%   |
| Free cash flow                  | n.m.    | n.m.    | n.m.    | n.m.    | n.m.    | 71.5%   |
| Financial cash flow             | 694.2%  | -84.8%  | 357.1%  | 247.1%  | n.m.    | n.m.    |
| EBITDA/share                    | -15.6%  | 14.2%   | -19.1%  | 26.3%   | 30.4%   | 11.2%   |

<sup>\*</sup> Depreciation of current assets are booked in "Changes in w orking capital".



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Anschrift<sup>1</sup>

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First Berlin's system for asset valuation is divided into an asset recommendation and a risk assessment.

#### **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 Current market capitalisation (in €) |  | 1             | 2<br>> 2 billion |  |
|---|--|---------------|------------------|--|
|   |  | 0 - 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  $\in 0 - \in 2$  billion, and Category 2 companies have a market capitalisation of  $> \in 2$  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.

#### **RISK ASSESSMENT**

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#### **RECOMMENDATION & PRICE TARGET HISTORY**

| Report<br>No.:    | Date of publication | Previous day closing<br>price | Recommendation | Price<br>target |
|-------------------|---------------------|-------------------------------|----------------|-----------------|
| Initial<br>Report | 12 April 2017       | €7.80                         | BUY            | €14.00          |
| 220               | <b>↓</b>            | <b>↓</b>                      | $\downarrow$   | <b>↓</b>        |
| 21                | 24 February 2021    | €42.40                        | BUY            | €55.00          |
| 22                | 18 March 2021       | €45.40                        | BUY            | €63.00          |
| 23                | 4 August 2021       | €48.00                        | BUY            | €66.00          |
| 24                | 6 September 2021    | €48.10                        | BUY            | €73.00          |
| 25                | 7 December 2021     | €57.00                        | BUY            | €79.00          |
| 26                | 29 March 2022       | €58.40                        | BUY            | €95.00          |
| 27                | 11 July 2022        | €56.20                        | BUY            | €92.00          |
| 28                | 2 September 2022    | €56.20                        | BUY            | €109.00         |
| 29                | Today               | €63.00                        | BUY            | €112.00         |

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Unless otherwise stated in the financial analysis, the ratings refer to an investment period of twelve months.



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