2G Energy AG

Germany / Cleantech Primary exchange: Frankfurt Bloomberg: 2GB GR ISIN: DE000A0HL8N9

9M figures

| RATING | BUY |
|------------------|--------|
| PRICE TARGET | €26.10 |
| Return Potential | 47.1% |
| Risk Rating | Medium |

2G ON TRACK TO REACH 2016 GUIDANCE

On 30 November, 2G Energy presented 9M KPIs. Total output increased 28% to €119.9m, and EBIT was slightly positive (€+0.2m). The order backlog rose further to €111.2m. Both the high total output and the high order backlog are an excellent basis for the company to reach our full-year forecasts and the upper end of the guidance range (revenues of €150-170m at a 3-5% EBIT margin). We reiterate our Buy rating at a slightly increased price target of €26.10 (previously: €25.50).

9M figures in line with estimates Sales increased 10% y/y to \in 92.6m. Total output of \in 119.9m was 4% ahead of our forecast and significantly higher than the previous year's figure of \in 93.5m (+28% y/y). EBIT has already reached positive territory and amounted to \in 0.2m (FBe: \in 0.0m).

Order backlog increased again During Q3, the order backlog, which had already reached a very high level at the end of Q2 (\in 106.4m), increased further to \in 111.2m. Compared to the prior year's level of \in 86.1m, this is a 29% jump y/y. The backlog rose both in Germany (+1/3) and internationally (non-EU: +100%). Approximately half of the 9M backlog should be converted into sales in Q4.

9M figures excellent basis to reach 2016 guidance 2G reiterated that it will reach the upper end of its guidance range (revenues of \leq 150-170m at a 3-5% EBIT margin). Both the high 9M total output and the high order backlog are an excellent basis for reaching our full-year estimates and company guidance. Q4 is by far the seasonally strongest quarter of the year.

Further profitable growth in 2017E 2G expects moderate sales and earnings growth in 2017. The year-end order backlog looks set to amount to ca. \in 80m (\in 60m of the 9M order backlog plus order entry of ca \in 20m (FBe) in Q4). This roughly corresponds to the previous year's level of \in 85.5m and will represent a very solid basis for further growth. 2G is scheduled to publish concrete 2017 guidance on 27 April 2017. (p.t.o.)

FINANCIAL HISTORY & PROJECTIONS

| | 2013 | 2014 | 2015 | 2016E | 2017E | 2018E |
|--------------------|--------|--------|--------|--------|--------|--------|
| Revenue (€m) | 126.13 | 186.61 | 152.88 | 174.10 | 187.00 | 200.09 |
| Y-o-y growth | -13.9% | 47.9% | -18.1% | 13.9% | 7.4% | 7.0% |
| EBIT (€m) | 3.12 | 11.29 | 4.77 | 8.32 | 13.81 | 15.01 |
| EBIT margin | 2.5% | 6.0% | 3.1% | 4.8% | 7.4% | 7.5% |
| Net income (€m) | 0.89 | 6.50 | 2.78 | 5.58 | 9.38 | 10.14 |
| EPS (diluted) (€) | 0.20 | 1.47 | 0.63 | 1.26 | 2.12 | 2.29 |
| DPS (€) | 0.00 | 0.00 | 0.37 | 0.37 | 0.37 | 0.37 |
| FCF (€m) | 0.70 | 4.42 | -1.26 | 7.98 | 1.92 | 4.74 |
| Net gearing | -6.9% | -11.0% | -8.0% | -18.7% | -16.9% | -19.2% |
| Liquid assets (€m) | 5.18 | 25.92 | 14.42 | 10.48 | 11.89 | 10.15 |

RISKS

The main risks include regulatory changes, internationalisation, increasing competition, high natural gas and low electricity prices, and low share liquidity.

COMPANY PROFILE

2G Energy AG is a leading producer of combined heat and power plants (CHP). The company offers a wide product range of plants with a capacity from 20 kW to 4 MW and addresses both the biogas and the natural gas market. 2G is headquartered in Heek, Germany, and has an additional production site in the US.

| MARKET DAT | MARKET DATA | | | | | |
|------------------|-------------|---------|-----------|--|--|--|
| Closing Price | | € 17.75 | | | | |
| Shares outstand | ding | | 4.43m | | | |
| Market Capitalis | sation | ŧ | € 78.61m | | | |
| 52-week Range | | € 15.9 | 4 / 22.35 | | | |
| Avg. Volume (12 | 2 Months) | | 3,641 | | | |
| | 0045 | | | | | |
| Multiples | 2015 | 2016E | 2017E | | | |
| P/E | 28.0 | 14.0 | 8.3 | | | |
| EV/Sales | 0.5 | 0.4 | 0.4 | | | |
| EV/EBIT | 15.6 | 8.2 | 4.9 | | | |
| Div. Yield | 2.1% | 2.1% | 2.1% | | | |

STOCK OVERVIEW



| COMPANY DATA | As of 30 Jun 2016 |
|----------------------|-------------------|
| Liquid Assets | € 14.84m |
| Current Assets | € 84.49m |
| Intangible Assets | € 5.51m |
| Total Assets | € 107.40m |
| Current Liabilities | € 43.05m |
| Shareholders' Equity | € 49.79m |
| | |
| SHAREHOLDERS | |
| Christian Grotholt | 30.0% |
| Ludger Gausling | 25.3% |
| Free Float | 44.7% |
| | |
| | |

New demand trend for biogas-based combined heat and power (CHP) plants in Germany to continue in coming years From 2009 to 2011, ca. 3,300 biogas plants were connected to the grid in Germany. These plants have a total capacity of ca. 1,700 MW el. As the first generation of biogas CHPs is now nearing the end of its life, many biogas plant operators look set to invest in larger CHP capacity and more flexible CHP operation to increase their revenues. The German Renewable Energy Act (EEG) pays a flexibility premium, and selling power according to fluctuating demand offers better pricing. Furthermore, optimised biogas plants have better opportunities to secure the ten-year follow-up support which will be tendered after the end of the 20 year feed-in tariff period. We expect 2G to benefit from higher biogas CHP demand. The company has traditionally had a strong foothold in the biogas sector and its CHP technology has already accommodated digitalisation and flexibility. Furthermore, 2G, as one of the top German players, offers comprehensive nationwide service & maintenance.

Large French order another sign of international competitiveness Following the prestigious British Sugar CHP project earlier this year (5 MW el. & 5 MW thermal), in November 2G booked a large order from Gazonor SAS, a subsidiary of the French gas producer "La Francaise de L'Energie" (LFDE). 2G will supply six containerised gensets with a total capacity of 9 MW el. and appropriate methane gas compressors for four different sites. Gazonor will invest almost €9m, and commissioning is planned for 2017. 2G's French subsidiary 2G Energie SAS, which was founded this year, will provide the full service over the entire life cycle of the gensets and gas compressors.

Buy rating reiterated at slightly increased price target Based on unchanged estimates, an updated DCF model yields a new price target or €26.10 (previously: €25.50). We reiterate our Buy rating.

| All figures in €m | Q3/16A | Q3/16E | delta | Q3/15 | delta | 9M 2016 | 9M 2015 | delta |
|-------------------|--------|--------|--------|-------|-------|---------|---------|-------|
| Sales | 28.84 | 36.20 | -20.3% | 25.30 | 14.0% | 92.60 | 84.30 | 9.8% |
| Total output | 34.42 | 30.02 | 14.7% | 30.96 | 11.2% | 119.90 | 93.49 | 28.3% |
| EBIT | 2.62 | 2.40 | 9.2% | 2.78 | -5.8% | 0.22 | -1.12 | n.a. |
| EBIT margin | 9.1% | 6.6% | - | 11.0% | - | 0.2% | -1.3% | - |

Figure 1: Reported figures vs. estimates

Source: First Berlin Equity Research, 2G Energy AG

VALUATION MODEL

| Figures in €m | 2016E | 2017E | 2018E | 2019E | 2020E | 2021E | 2022E | 2023E |
|--|--------|--------|--------|--------|--------|--------|--------|--------|
| Net sales | 174.10 | 187.00 | 200.09 | 212.10 | 224.82 | 236.06 | 247.87 | 257.78 |
| Growth yoy | 14% | 7% | 7% | 6% | 6% | 5% | 5% | 4% |
| EBIT | 8.32 | 13.81 | 15.01 | 15.91 | 16.86 | 17.70 | 18.59 | 19.33 |
| EBIT margin | 4.8% | 7.4% | 7.5% | 7.5% | 7.5% | 7.5% | 7.5% | 7.5% |
| NOPLAT | 5.74 | 9.53 | 10.36 | 10.98 | 11.63 | 12.22 | 12.83 | 13.34 |
| Hepreciation & amortis. (excl. GW) | 2.79 | 2.94 | 3.10 | 3.18 | 3.37 | 3.54 | 3.72 | 3.87 |
| = net operating cash flow | 8.53 | 12.47 | 13.46 | 14.16 | 15.01 | 15.76 | 16.55 | 17.21 |
| total investments (Capex and WC) | -0.40 | -10.40 | -8.50 | -11.08 | -6.43 | -6.24 | -6.55 | -6.25 |
| capital expenditure | -3.50 | -4.00 | -5.50 | -3.18 | -3.37 | -3.54 | -3.72 | -3.87 |
| working capital | 3.11 | -6.40 | -3.00 | -7.90 | -3.05 | -2.70 | -2.83 | -2.38 |
| +/- others (incl. adj. on net int., provisions, etc) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| = Free cash flow (FCF) | 8.14 | 2.07 | 4.96 | 3.07 | 8.58 | 9.52 | 9.99 | 10.96 |
| PV of FCF's | 8.14 | 1.88 | 4.07 | 2.29 | 5.79 | 5.82 | 5.54 | 5.51 |

| €m | |
|---|--------|
| PVs of FCFs explicit period (2016E-29E) | 66.28 |
| PVs of FCFs in terminal period | 45.04 |
| Enterprise Value (EV) | 111.32 |
| Net cash / (Net debt) | 4.24 |
| Shareholder value | 115.55 |
| No. of shares outstanding | 4.43 |

| | | | Sensitivity a | analysis | | | | | Fair value p | er share (€ |
|--------------------------|-------|----|---------------|----------|-------|------------|--------|-------|--------------|-------------|
| Fair value per share (€) | 26.10 | | | | Ter | minal EBIT | margin | | | |
| WACC | 10.3% | | | | | | | 1 | | |
| Cost of equity | 10.7% | | | 5.5% | 6.0% | 6.5% | 7.0% | 7.5% | 8.0% | 8.5% |
| Pre-tax cost of debt | 4.0% | | 13.3% | 13.86 | 15.51 | 17.16 | 18.81 | 20.47 | 22.12 | 23.77 |
| Normal tax rate | 31.0% | o | 12.3% | 15.28 | 17.09 | 18.89 | 20.70 | 22.51 | 24.31 | 26.12 |
| After-tax cost of debt | 2.8% | AC | 11.3% | 17.03 | 19.02 | 21.01 | 23.01 | 25.00 | 26.99 | 28.99 |
| Share of equity | 95.0% | Š | 10.3% | 19.21 | 21.43 | 23.66 | 26.08 | 28.11 | 30.34 | 32.56 |
| Share of debt | 5.0% | | 9.3% | 22.00 | 24.52 | 27.05 | 29.57 | 32.09 | 34.61 | 37.14 |
| Terminal growth | 2.0% | | 8.3% | 25.70 | 28.61 | 31.53 | 34.44 | 37.35 | 40.27 | 43.18 |
| Terminal EBIT margin | 7.0% | | 7.3% | 30.82 | 34.27 | 37.72 | 41.17 | 44.62 | 48.07 | 51.53 |

* for layout purposes the model shows numbers only to 2023, but runs until 2029

Page 3/9

INCOME STATEMENT

| All figures in €m | 2013 | 2014 | 2015 | 2016E | 2017E | 2018E |
|--|--------|--------|--------|--------|--------|--------|
| Revenues | 126.1 | 186.6 | 152.9 | 174.1 | 187.0 | 200.1 |
| Total output | 137.5 | 189.6 | 154.7 | 185.0 | 187.6 | 200.7 |
| Material costs | -96.9 | -134.0 | -100.6 | -127.3 | -123.6 | -132.3 |
| Gross profit | 40.6 | 55.6 | 54.1 | 57.8 | 64.0 | 68.4 |
| Personnel expenses | -21.5 | -25.5 | -29.3 | -28.6 | -28.9 | -30.9 |
| Other operating income | 1.7 | 3.2 | 3.3 | 2.6 | 3.0 | 3.2 |
| Other operating expenses | -15.5 | -19.1 | -19.9 | -20.7 | -21.3 | -22.6 |
| EBITDA | 5.5 | 14.0 | 8.1 | 11.1 | 16.8 | 18.1 |
| Depreciation and amortisation | -2.4 | -2.7 | -3.3 | -2.8 | -2.9 | -3.1 |
| Operating income (EBIT) | 3.1 | 11.3 | 4.8 | 8.3 | 13.8 | 15.0 |
| Net financial result | -0.3 | -0.3 | -0.3 | -0.2 | -0.2 | -0.3 |
| Income before taxes & minority interests | 2.8 | 10.9 | 4.5 | 8.1 | 13.6 | 14.7 |
| Income taxes | -1.8 | -4.1 | -1.9 | -2.5 | -4.2 | -4.6 |
| Minority interests | 0.1 | 0.4 | -0.2 | 0.0 | 0.0 | 0.0 |
| Net income / loss | 0.9 | 6.5 | 2.8 | 5.6 | 9.4 | 10.1 |
| EPS in € | 0.20 | 1.47 | 0.63 | 1.26 | 2.12 | 2.29 |
| Diluted EPS in € | 0.20 | 1.47 | 0.63 | 1.26 | 2.12 | 2.29 |
| Ratios | | | | | | |
| Gross margin | 32.2% | 29.8% | 35.4% | 33.2% | 34.2% | 34.2% |
| EBIT margin | 2.5% | 6.0% | 3.1% | 4.8% | 7.4% | 7.5% |
| EBITDA margin | 4.4% | 7.5% | 5.3% | 6.4% | 9.0% | 9.1% |
| Net income margin | 0.7% | 3.5% | 1.8% | 3.2% | 5.0% | 5.1% |
| Tax rate | 63.3% | 37.1% | 42.0% | 31.0% | 31.0% | 31.0% |
| Expenses as % of revenues | | | | | | |
| Personnel expenses | 17.0% | 13.6% | 19.2% | 16.4% | 15.5% | 15.4% |
| Other operating expenses | 12.3% | 10.2% | 13.0% | 11.9% | 11.4% | 11.3% |
| Depreciation and amortisation | 1.9% | 1.5% | 2.2% | 1.6% | 1.6% | 1.5% |
| Y/Y growth | | | | | | |
| Revenues | -13.9% | 47.9% | -18.1% | 13.9% | 7.4% | 7.0% |
| Operating income | -81.2% | 262.2% | -57.7% | 74.4% | 66.0% | 8.7% |
| Net income / loss | -92.2% | 626.2% | -57.2% | 101.0% | 68.0% | 8.1% |

BALANCE SHEET

| All figures in €m | 2013 | 2014 | 2015 | 2016E | 2017E | 2018E |
|--|-------|--------|-------|--------|--------|--------|
| Assets | | | | | | |
| Current assets, total | 66.7 | 69.9 | 72.4 | 84.9 | 91.3 | 99.2 |
| Cash and cash equivalents | 10.5 | 11.9 | 10.2 | 17.5 | 17.8 | 20.9 |
| Trade accounts and notes receivables | 23.1 | 22.0 | 24.6 | 27.2 | 30.7 | 32.9 |
| Inventories | 28.1 | 31.2 | 32.2 | 34.8 | 37.4 | 40.0 |
| Other current assets | 5.1 | 4.9 | 5.3 | 5.4 | 5.4 | 5.4 |
| Non-current assets, total | 21.9 | 22.7 | 23.5 | 24.1 | 25.2 | 27.6 |
| Property, plant and equipment | 15.8 | 16.9 | 17.7 | 18.6 | 19.8 | 22.4 |
| Goodwill + intangible assets | 5.6 | 5.4 | 5.8 | 5.6 | 5.4 | 5.2 |
| Financial assets | 0.5 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total assets | 88.6 | 92.6 | 95.9 | 109.0 | 116.5 | 126.8 |
| Shareholders' equity & debt | | | | | | |
| Liabilities, total | 41.5 | 40.5 | 43.2 | 52.5 | 52.2 | 54.0 |
| Interest bearing debt | 7.2 | 6.1 | 5.9 | 7.0 | 7.0 | 7.0 |
| Trade accounts payable | 7.5 | 5.6 | 5.4 | 9.4 | 9.1 | 10.9 |
| Provisions | 10.0 | 11.2 | 11.7 | 11.7 | 11.7 | 11.7 |
| Other current liabilities | 16.7 | 17.5 | 20.2 | 24.4 | 24.4 | 24.4 |
| Shareholders equity, total | 47.2 | 52.1 | 52.6 | 56.5 | 64.3 | 72.8 |
| Share capital | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 |
| Capital reserve | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 | 11.2 |
| Losses carried forward / retained earnings | 31.1 | 35.9 | 37.1 | 41.0 | 48.8 | 57.3 |
| Other reserves | 0.0 | -0.3 | -0.6 | -0.7 | -0.6 | -0.6 |
| Minority interests | 0.3 | 0.4 | 0.8 | 0.5 | 0.5 | 0.5 |
| Total consolidated equity and debt | 88.6 | 92.6 | 95.9 | 109.0 | 116.5 | 126.8 |
| Ratios | | | | | | |
| Current ratio (x) | 2.5 | 2.7 | 2.6 | 2.4 | 2.6 | 2.7 |
| Equity ratio (as %) | 53.2% | 56.2% | 54.9% | 51.8% | 55.2% | 57.4% |
| Net gearing (as %) | -6.9% | -11.0% | -8.0% | -18.7% | -16.9% | -19.2% |
| Equity per share (in €) | 10.6 | 11.8 | 11.9 | 12.8 | 14.5 | 16.4 |
| Net debt | -3.2 | -5.7 | -4.2 | -10.6 | -10.9 | -14.0 |
| Interest coverage ratio (x) | 10 | 33 | 17 | 36 | 63 | 47 |
| Av. working capital/sales | 27.4% | 18.2% | 23.6% | 20.2% | 19.7% | 20.7% |
| Return on equity (ROE) | 1.9% | 12.5% | 5.3% | 9.9% | 14.6% | 13.9% |
| Return on capital employed (ROCE) | 4.7% | 16.9% | 6.8% | 11.4% | 17.5% | 17.2% |
| Days of inventory turnover | 81 | 61 | 77 | 73 | 73 | 73 |
| Days sales outstanding (DSO) | 67 | 43 | 59 | 57 | 60 | 60 |
| Days payables outstanding (DPO) | 28 | 15 | 20 | 27 | 27 | 30 |

CASH FLOW STATEMENT

| All figures in €m | 2013 | 2014 | 2015 | 2016E | 2017E | 2018E |
|---|------|--------|--------|--------|--------|--------|
| Net income | 1.0 | 6.9 | 2.6 | 5.6 | 9.4 | 10.1 |
| + Depreciation and amortisation | 2.4 | 2.7 | 3.3 | 2.8 | 2.9 | 3.1 |
| - Investment in working capital | 0.7 | -2.8 | -2.0 | 3.1 | -6.4 | -3.0 |
| +/- Others (prov., non cash expenses, interest, etc.) | 0.0 | 1.5 | -1.8 | 0.0 | 0.0 | 0.0 |
| Operating cash flow | 4.1 | 8.3 | 2.1 | 11.5 | 5.9 | 10.2 |
| - CAPEX | -3.4 | -3.8 | -3.3 | -3.5 | -4.0 | -5.5 |
| Free cash flow | 0.7 | 4.4 | -1.3 | 8.0 | 1.9 | 4.7 |
| Other cash flow from investing | 0.4 | 0.3 | 2.3 | 0.0 | 0.0 | 0.0 |
| Investment cash flow | -3.1 | -3.5 | -1.0 | -3.5 | -4.0 | -5.5 |
| Financial cash flow | -4.7 | -3.1 | -1.9 | -0.6 | -1.6 | -1.6 |
| Change in cash | -3.6 | 1.6 | -0.8 | 7.4 | 0.3 | 3.1 |
| Exchange rate-related changes | 0.0 | -0.4 | -0.4 | 0.0 | 0.0 | 0.0 |
| Cash, start of the year | 13.7 | 10.1 | 11.4 | 10.1 | 17.5 | 17.8 |
| Cash, end of the year | 10.1 | 11.4 | 10.1 | 17.5 | 17.8 | 20.9 |
| Free cash flow per share in € | 0.16 | 1.00 | -0.28 | 1.80 | 0.43 | 1.07 |
| Y/Y growth | | | | | | |
| Operating cash flow | - | 99.9% | -75.0% | 456.9% | -48.4% | 72.8% |
| Free cash flow | - | n.a. | n.a. | n.a. | -75.9% | 146.3% |
| Financial cash flow | - | -32.8% | -39.8% | -68.6% | 176.8% | 0.0% |
| Free cash flow per share | - | n.a. | n.a. | n.a. | -75.9% | 146.3% |

| FIRST BERLIN | RECOMMENDATION & | PRICE TARGET HISTORY |
|---------------------|-----------------------------|----------------------|
| | | |

| Report No.: | Date of publication | Previous day closing price | Recommendation | Price target |
|-------------------|------------------------|-------------------------------|----------------|-----------------|
| Initial Report | 26 November 2010 | €13.30 | Buy | €18.00 |
| 239 | \downarrow | \downarrow | \downarrow | Ļ |
| 40 | 30 May 2016 | €18.00 | Buy | €25.00 |
| 41 | 5 July 2016 | €18.06 | Buy | €25.00 |
| 42 | 29 September 2016 | €17.50 | Buy | €25.50 |
| 43 | Today | €17.75 | Buy | €26.10 |

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 VALUATION SYSTEM

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:

STRONG BUY: An expected favourable price trend of more than 50% combined with sizeable confidence in the quality and forecast security of management.

BUY: An expected favourable price trend of more than 25% percent.

ADD: An expected favourable price trend of between 0% and 25%.

REDUCE: An expected negative price trend of between 0% and -15%.

SELL: An expected negative price trend of more than -15%.

RISK ASSESSMENT

The First Berlin categories for risk assessment are low, average, high and speculative. They are determined by ten factors: Corporate governance, quality of earnings, management strength, balance sheet and financial risk, competitive position, standard of financial disclosure, regulatory and political uncertainty, strength of brandname, market capitalisation and free float. These risk factors are incorporated into the First Berlin valuation models and are thus included in the target prices. First Berlin customers may request the models.

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Legally required information regarding

- key sources of information in the preparation of this research report
- valuation methods and principles
- sensitivity of valuation parameters

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