

2G Energy AG

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

2022 Annual Report & Q1/23 sales

RATING PRICE TARGET

BUY € 32.00

Return Potential 29.6% Risk Rating Medium

VERY GOOD START TO THE NEW YEAR

2G Energy has presented its 2022 annual report, which confirmed the previously reported figures. Net income of €16.4m was above our €14.8m forecast due to an extraordinary gain of €1.8m. As we expected, the management and supervisory boards are proposing a 12% increase in the dividend to €0.14 per share. 2G had an excellent Q1/23 with revenue growth of ca. 40% y/y to ca. €68m. We see the strong Q1 sales figure and the significant increase in order intake in March as confirmation of our revenue forecast of €345m, which is close to the upper end of guidance (€350m). 2G has reconfirmed 2023 guidance (sales: €310 - 350m, EBIT margin: 6.5% - 8.5%). An updated DCF model yields a slightly higher price target of €32 (previously: €31). We reiterate our Buy recommendation.

Very strong first quarter Q1 sales rose by ca. 40% to ca. €68m. Given the inventory build-up of €26m in Q4/22, we had expected revenue of this magnitude.

Order intake has started to pick up In Q1, 2G's order intake fell by 24% y/y to €41.0m. Although the order intake was weak in January and February, it increased by 92% y/y to €25.9m in March. Given the well-filled project pipeline, we expect this trend to continue in the coming months. Order intake in 2022 amounted to €186.9m. In the CHP plant business, 2G generated sales of €164.5m, resulting in a book-to-bill ratio of 1.14, which, as in the previous year, is above 1.

Order backlog at record level at the end of 2022 The order backlog at the end of 2022 amounted to €177m and was thus 16% above the previous year's figure of €153m.

(p.t.o.)

FINANCIAL HISTORY & PROJECTIONS

	2020	2021	2022	2023E	2024E	2025E
Revenue (€m)	246.73	266.35	312.63	345.00	385.64	443.49
Y-o-y growth	4.4%	8.0%	17.4%	10.4%	11.8%	15.0%
EBIT (€m)	16.43	17.93	21.95	27.44	38.67	44.43
EBIT margin	6.7%	6.7%	7.0%	8.0%	10.0%	10.0%
Net income (€m)	11.97	12.61	16.39	18.43	26.18	30.15
EPS (diluted) (€)	0.68	0.77	0.91	1.03	1.46	1.68
DPS (€)	0.11	0.13	0.14	0.19	0.22	0.24
FCF (€m)	7.07	4.01	-4.39	6.58	15.62	13.73
Net gearing	-7.1%	-15.5%	-6.6%	-9.0%	-15.9%	-19.2%
Liquid assets (€m)	11.03	19.93	13.48	17.55	29.76	39.54

RISKS

The main risks include regulatory changes, internationalisation, high natural gas prices in combination with low electricity prices.

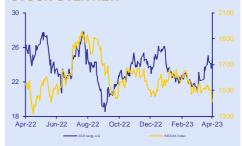
COMPANY PROFILE

2G Energy AG is a leading producer of combined heat and power (CHP) plants. The company offers a wide product range of plants with a capacity from 20 kW to 4.5 MW and addresses the natural gas, weak gases, and hydrogen markets. 2G is headquartered in Heek, Germany, and has distribution and service sites in various countries.

MARKET DATA	As of 27 Apr 2023
Closing Price	€ 24.70
Shares outstanding	17.94m
Market Capitalisation	€ 443.12m
52-week Range	€ 18.52 / 27.75
Avg. Volume (12 Months)	20,306

Multiples	2022	2023E	2024E
P/E	27.0	24.0	16.9
EV/Sales	1.4	1.3	1.1
EV/EBIT	19.9	15.9	11.3
Div. Yield	0.6%	0.8%	0.9%

STOCK OVERVIEW



COMPANY DATA	As of 31 Dec 2022
Liquid Assets	€ 13.48m
Current Assets	€ 179.70m
Intangible Assets	€ 5.01m
Total Assets	€ 21.59m
Current Liabilities	€ 77.75m
Shareholders' Equity	€ 108.61m

SHAREHOLDERS

Christian Grotholt	29.6%
Ludger Gausling	15.5%
Free Float	54.9%

Hydrogen CHP business benefits from Japanese orders 2G has received an order to supply three hydrogen CHP plants to Japan. This is the sixth hydrogen CHP order (eight plants in total) from Japan. The country is a pioneer in establishing a hydrogen economy. The orders show that 2G is absolutely competitive in this relatively developed hydrogen market.

Net income 2022 above our forecast Net income was €16.4m (see figure 1) -10% above our estimate of €14.8m – due to extraordinary income of €1.8m (reversal of a provision for back taxes).

Figure 1: 2022 P&L figures

All figures in €m	2022A	2022E	delta	2021A	delta
Sales	312.6	312.6	0%	266.3	17%
Total output	338.8	338.8	0%	268.9	26%
EBIT	22.0	22.0	0%	17.9	23%
EBIT margin	7.0%	7.0%	-	6.7%	-
Net income	16.4	14.8	10%	12.6	30%
Net margin (%)	5.2%	4.7%	-	4.7%	-
EPS diluted (€)	0.91	0.83	10%	0.77	18%

Source: First Berlin Equity Research, 2G Energy AG

Balance sheet remains strong Equity increased over the year from €95m to €109m (+15% y/y) due mainly to the €16.4m net profit. The equity ratio fell from 56% to 51% owing to the balance sheet expansion (+25% y/y) and thus remains at a high level. Bank borrowings remain low (€6.3m vs. €5.3m in PY) and, α in the prior year, 2G has a net cash position, now €6.1m (2021: €13.6m).

High investments lead to negative free cash flow At €5.0m, operating cash flow was below the previous year's value due to higher working capital requirements. Capital expenditure of €9.4m (including the new, integrated Group IT infrastructure, additional plots of land in Heek, takeover of SenerTec) led to free cash flow of €-4.4m. Net cash flow was €-6.4 million (see figure 2).

Figure 2: Selected items of the cash flow statement

All figures in €m	2022A	2021A
Operating cash flow	5.0	8.9
CAPEX	-9.4	-4.9
Free cash flow	-4.4	4.0
Investment cash flow	-9.7	-1.8
Financial cash flow	-1.6	1.6
Net cash flow	-6.4	8.6

Source: First Berlin Equity Research, 2G Energy AG

Buy confirmed with slightly increased price target An updated DCF model yields a new price target of €32 (previously: €31). We believe that 2023 will be another successful year of profitable growth for 2G. Our recommendation remains Buy.



VALUATION MODEL

Figures in €m	2023E	2024E	2025E	2026E	2027E	2028E	2029E	2030E
Net sales	345.00	385.64	443.49	510.01	586.52	662.76	735.67	801.88
Growth y/y	10%	12%	15%	15%	15%	13%	11%	9%
EBIT	27.44	38.67	44.43	51.00	58.65	66.28	73.57	80.19
EBIT margin	8.0%	10.0%	10.0%	10.0%	10.0%	10.0%	10.0%	10.0%
NOPLAT	18.93	26.68	30.65	35.70	41.06	46.39	51.50	56.13
+ depreciation & amortis. (excl. GW)	4.62	5.24	5.88	7.65	8.80	9.94	11.03	12.03
= net operating cash flow	23.55	31.92	36.53	43.35	49.85	56.33	62.53	68.16
- total investments (Capex and WC)	-16.48	-15.80	-22.30	-17.42	-29.45	-30.53	-30.72	-29.90
capital expenditure	-7.40	-6.40	-7.40	-7.65	-8.80	-9.94	-11.03	-12.03
working capital	-9.08	-9.40	-14.90	-9.77	-20.66	-20.59	-19.68	-17.88
+/- 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)	7.08	16.12	14.23	25.93	20.40	25.81	31.81	38.25
PV of FCF's	6.72	14.01	11.31	18.86	13.58	15.71	17.72	19.50

€m	
PVs of FCFs explicit period (2023E-36E)	242.25
PVs of FCFs in terminal period	332.82
Enterprise Value (EV)	575.08
Net cash / (Net debt)	6.11
Minorities	-0.04
Shareholder value	581.15
No. of shares outstanding (m)	17.94
Fair value per chare (f)	32.30

Fair value per share (€)	32.39		
WACC	9.3%		
Cost of equity	9.6%		
Pre-tax cost of debt	4.0%		
Normal tax rate	30.0%		
After-tax cost of debt	2.8%		
Share of equity	95.0%		
Share of debt	5.0%		
Price Target (€)	32.00		

3.0%
10.0%

Sensitivity analysis					Fair value per snare (€)			
٦			Terminal El	BIT margin				
		8.5%	9.0%	9.5%	10.0%	10.5%	11.0%	11.5%
	12.3%	15.78	17.10	18.41	19.73	21.05	22.37	23.69
	11.3%	18.25	19.75	21.25	22.74	24.24	25.74	27.23
	10.3%	21.46	23.19	24.91	26.64	28.37	30.09	31.82
	9.3%	25.76	27.79	29.82	32.39	33.88	35.92	37.95
	8.3%	31.78	34.23	36.68	39.14	41.59	44.04	46.49
	7.3%	40.72	43.80	46.87	49.94	53.02	56.09	59.17
	6.3%	55.28	59.36	63.43	67.51	71.59	75.66	79.74

 $^{^{\}ast}$ for layout purposes the model shows numbers only to 2030, but runs until 2036



INCOME STATEMENT

All figures in €m	2020	2021	2022	2023E	2024E	2025E
Revenues	246.7	266.3	312.6	345.0	385.6	443.5
Change in inventories	7.4	2.6	26.0	0.0	0.0	0.0
Own work	0.1	0.0	0.2	0.2	0.2	0.2
Total output	254.2	268.9	338.8	345.2	385.8	443.7
Material costs	-167.3	-171.3	-224.1	-221.5	-246.8	-286.5
Gross profit	87.0	97.7	114.7	123.7	139.0	157.2
Personnel expenses	-44.3	-49.4	-57.0	-61.0	-64.5	-72.0
Other operating income	2.3	3.4	4.4	5.0	5.4	6.2
Other operating expenses	-24.6	-29.7	-35.3	-35.6	-35.9	-41.0
EBITDA	20.1	21.9	26.6	32.1	43.9	50.3
Depreciation and amortisation	-3.7	-3.9	-4.7	-4.6	-5.2	-5.9
Operating income (EBIT)	16.4	17.9	22.0	27.4	38.7	44.4
Net financial result	-0.2	-0.2	-0.4	-0.7	-0.7	-0.7
Income before taxes & minority interests	16.3	17.7	23.5	26.7	37.9	43.7
Other income / expenses	0.0	0.0	1.9	0.0	0.0	0.0
Income taxes	-4.3	-5.1	-7.1	-8.3	-11.8	-13.5
Minority interests	0.0	0.0	0.0	0.0	0.0	0.0
Net income / loss	12.0	12.6	16.4	18.4	26.2	30.2
EPS in €	0.68	0.77	0.91	1.03	1.46	1.68
Diluted EPS (in €)	0.68	0.77	0.91	1.03	1.46	1.68
Ratios						
Gross margin (gross profit / total output)	34.2%	36.3%	33.9%	35.8%	36.0%	35.4%
EBITDA margin (EBITDA / revenue)	8.1%	8.2%	8.5%	9.3%	11.4%	11.3%
EBIT margin (EBIT / revenue)	6.7%	6.7%	7.0%	8.0%	10.0%	10.0%
Net income margin	4.9%	4.7%	5.2%	5.3%	6.8%	6.8%
Tax rate	26.5%	28.7%	30.2%	31.0%	31.0%	31.0%
Expenses as % of revenues						
Personnel expenses	17.9%	18.5%	18.2%	17.7%	16.7%	16.2%
Other operating expenses	10.0%	11.2%	11.3%	10.3%	9.3%	9.2%
Depreciation and amortisation	1.5%	1.5%	1.5%	1.3%	1.4%	1.3%
Y/Y growth						
Revenues	4.4%	8.0%	17.4%	10.4%	11.8%	15.0%
Operating income	6.2%	9.1%	22.5%	25.0%	40.9%	14.9%
Net income / loss	16.1%	5.3%	30.0%	12.5%	42.0%	15.2%



BALANCE SHEET

All figures in €m	2020	2021	2022	2023E	2024E	2025E
Assets						
Current assets, total	119.8	142.6	179.7	192.4	216.3	244.6
Cash and cash equivalents	11.0	19.9	13.5	17.5	29.8	39.5
Trade accounts and notes receivables	42.2	43.4	57.1	60.5	66.6	75.3
Inventories	60.8	72.2	102.6	107.8	113.4	123.2
Other current assets	5.9	7.1	6.5	6.5	6.5	6.5
Non-current assets, total	26.7	27.1	31.9	34.7	35.8	36.6
Property, plant and equipment	22.9	22.6	26.8	30.2	31.9	34.0
Goodw ill + intangible assets	2.9	4.5	5.0	4.4	3.8	2.5
Financial assets	0.9	0.0	0.1	0.1	0.1	0.1
Total assets	146.6	169.7	211.6	227.0	252.1	281.2
Shareholders' equity & debt						
Liabilities, total	68.2	75.2	103.0	102.5	104.8	108.4
Interest bearing debt	5.5	5.3	6.3	6.3	6.3	6.3
Trade accounts payable	10.0	11.5	20.5	20.0	22.3	25.9
Provisions	13.4	17.7	21.4	21.4	21.4	21.4
Other current liabilities	39.4	40.7	54.7	54.7	54.7	54.7
Shareholders equity, total	78.3	94.5	108.6	124.5	147.3	172.8
Share capital*	4.4	4.5	17.9	17.9	17.9	17.9
Capital reserve	11.2	16.4	3.0	3.0	3.0	3.0
Losses carried forw ard / retained earnings	63.7	74.3	88.5	104.4	127.2	153.4
Other reserves	-1.0	-0.7	-0.7	-0.7	-0.7	-1.4
Minority interests	0.0	-0.1	0.0	0.0	0.0	0.0
Total consolidated equity and debt *2022: share split	146.6	169.7	211.6	227.0	252.1	281.2
Ratios			***************************************			
Current ratio (x)	2.4	2.6	2.3	2.5	2.7	2.9
Equity ratio (as %)	53.4%	55.7%	51.3%	54.9%	58.4%	61.5%
Net gearing (as %)	-7.1%	-15.5%	-6.6%	-9.0%	-15.9%	-19.2%
Equity per share (in €)	17.7	21.1	6.1	6.9	8.2	9.6
Net debt	-5.6	-14.6	-7.1	-11.2	-23.4	-33.2
Interest coverage ratio (x)	89	87	72	38	53	61
Av. w orking capital/sales	24.5%	25.4%	26.7%	28.7%	28.1%	27.2%
Return on equity (ROE)	15.3%	13.3%	15.1%	14.8%	17.8%	17.4%
Return on capital employed (ROCE)	17.2%	16.7%	17.3%	19.0%	23.6%	23.7%
Days of inventory turnover	90	99	120	114	107	101
Days sales outstanding (DSO)	62	59	67	64	63	62
Days payables outstanding (DPO)	22	24	33	33	33	33



CASH FLOW STATEMENT

All figures in €m	2020	2021	2022	2023E	2024E	2025E
Net income	12.0	12.6	16.4	18.4	26.2	30.2
+ Depreciation and amortisation	3.7	3.9	4.7	4.6	5.2	5.9
- Investment in w orking capital	-5.6	-6.4	-21.7	-9.1	-9.4	-14.9
+/- Others (prov., non cash expenses, interest, etc.)	-0.3	-1.3	5.7	0.0	0.0	0.0
Operating cash flow	9.8	8.9	5.0	14.0	22.0	21.1
- CAPEX	-2.7	-4.9	-9.4	-7.4	-6.4	-7.4
Free cash flow	7.1	4.0	-4.4	6.6	15.6	13.7
Acquisitions	0.0	-1.2	-0.3	0.0	0.0	0.0
Financial investments	0.2	0.9	-0.1	0.0	0.0	0.0
Disposals	0.4	3.3	0.0	0.0	0.0	0.0
Investment cash flow	-2.1	-1.8	-9.7	-7.4	-6.4	-7.4
Change in financial liabilities	-5.0	-1.3	1.0	0.0	0.0	0.0
Dividends paid	-2.0	-2.0	-2.2	-2.5	-3.4	-3.9
Purchase of own shares	0.0	0.0	0.0	0.0	0.0	0.0
Capital measures	0.0	5.3	0.0	0.0	0.0	0.0
Others	-0.4	-0.3	-0.4	0.0	0.0	0.0
Financial cash flow	-7.4	1.6	-1.6	-2.5	-3.4	-3.9
Change in cash	0.3	8.6	-6.4	4.1	12.2	9.8
Exchange rate-related changes	0.1	0.1	-0.3	0.0	0.0	0.0
Cash, start of the year	10.0	10.5	19.7	13.3	17.5	29.8
Cash, end of the year	10.5	19.7	13.3	17.5	29.8	39.5
Free cash flow per share in €	1.60	0.89	-0.24	0.37	0.87	077
Y/Y growth					***************************************	
Operating cash flow	-	-9.6%	-43.8%	180.7%	57.6%	-4.0%
Free cash flow	-	n.a.	n.a.	n.a.	137.5%	-12.1%
Financial cash flow	-	n.a.	n.a.	55.5%	35.7%	15.8%
Free cash flow per share	-	n.a.	n.a.	n.a.	137.5%	-12.1%



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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:

Category			2	
Current market	rket capitalisation (in €) 0 - 2 billion		> 2 billion	
Strong Buy ¹	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%	

¹ 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

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.

RECOMMENDATION & PRICE TARGET HISTORY

Report No.:	Date of publication	Previous day closing price	Recommendation	Price target
Initial Report	26 November 2010	€3.30	Buy	€4.50
279	↓	\downarrow	↓	↓
80	11 April 2022	€29.90	Add	€31.00
81	25 April 2022	€28.20	Add	€31.00
82	20 May 2022	€25.55	Add	€31.00
83	6 September 2022	€23.80	Buy	€31.00
84	21 October 2022	€21.65	Buy	€31.00
85	21 November 2022	€23.55	Buy	€31.00
86	24 February 2023	€22.50	Buy	€31.00
87	3 April 2023	€23.05	Buy	€31.00
88	Today	€24.70	Buy	€32.00



INVESTMENT HORIZON

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

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At the time of publication of this financial analysis it is not certain whether, when and on what occasion an update will be provided. In general First Berlin strives to review the financial analysis for its topicality and, if required, to update it in a very timely manner in connection with the reporting obligations of the analysed company or on the occasion of ad hoc notifications.

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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

can be accessed through the following internet link: https://firstberlin.com/disclaimer-english-link/

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