

# **SFC Energy AG**

Germany / Energy Primary exchange: Frankfurt Bloomberg: F3C GR ISIN: DE0007568578

Q2 figures

RATING PRICE TARGET

REDUCE € 14.00

Return Potential -5.8% Risk Rating High

# **CHALLENGING PRESENT, BRIGHTER FUTURE**

SFC reported Q2 figures and held a conference call. Q2 sales were down 21% y/y, and EBIT amounted to €3.6m. All segments were hit by the pandemic and the resulting recession except for the Clean Energy and Mobility segment, which grew at a spectacular 69% y/y although many countries were in shutdown mode in Q2. In June, the German government presented its national hydrogen strategy which entails investment of €9bn in the hydrogen market ramp-up in Germany and the forging of international hydrogen alliances. In July the EU Commission announced its hydrogen plan. We believe that the hydrogen market is at the beginning of a period of strong long-term growth and that SFC as a supplier of hydrogen and direct methanol fuel cells will significantly benefit from this development. We have thus increased our mid- to long-term forecasts. The company gave no guidance for 2020, but SFC is financially strong enough to weather the current crisis. We have adjusted our 2020 segment forecasts resulting in a lower 2020 group earnings forecast due to a lower-margin product mix. Furthermore, higher (non-cash) SAR costs are reflected in our EBIT forecast. An updated DCF model yields a significantly higher price target of €14.00 (previously: €9.40). However, ourrecommendation remains at Reduce due to the strong share price rise in recent months.

Q2 was better than it looks Hit by pandemic and recession, revenue fell 21% y/y to €11.6m and was close to our forecast of €11.9m. Gross profit declined 25% y/y to €3.5m, which was 7% below our estimate. EBIT amounted to €3.6m versus €-2.0m in Q2/19. This was below our forecast of €-2.5m due to higher than expected sales and administration costs. But taking the high one-off costs of €2.9m, mainly for the stock appreciation rights (SAR) program, into consideration, Q2 was not too bad with underlying EBIT of €-0.7m (Q2/19: €-0.2m). The net result was €-3.7m versus €2.2m in the prior year period (see figure 1 overleaf).

(p.t.o.)

### **FINANCIAL HISTORY & PROJECTIONS**

	2017	2018	2019	2020E	2021E	2022E
Revenue (€m)	54.29	61.70	58.54	54.50	66.80	81.27
Y-o-y growth	23.3%	13.7%	-5.1%	-6.9%	22.6%	21.7%
EBIT (€m)	-0.88	1.33	-1.29	-5.32	0.43	3.41
EBIT margin	-1.6%	2.1%	-2.2%	-9.8%	0.6%	4.2%
Net income (€m)	-2.07	0.00	-1.93	-4.71	0.06	2.28
EPS (diluted) (€)	-0.23	0.00	-0.17	-0.36	0.00	0.17
DPS (€)	0.00	0.00	0.00	0.00	0.00	0.00
FCF (€m)	0.36	-0.37	-4.95	0.99	-2.86	-0.51
Net gearing	37.7%	13.2%	-15.2%	-20.1%	-11.3%	-8.2%
Liquid assets (€m)	4.69	7.81	21.19	19.02	19.81	19.98

# RISKS

The main risks are internationalisation, unfavourable exchange rate changes, technological innovations, and increasing competition.

#### **COMPANY PROFILE**

SFC Energy AG is a leading provider of integrated power solutions for mobile and stationary off-grid applications. The company is a pioneer in developing and commercialising fuel cells which provide reliable, efficient, and clean power for its energy solutions. Main markets are oil & gas, defence & security, industry, and clean energy & mobility. SFC is headquartered near Munich in Germany.

MARKET DATA	As of 24 Aug 2020
Closing Price	€ 14.86
•	
Shares outstanding	13.15m
Market Capitalisation	€ 195.47m
52-week Range	€ 7.64 / 17.52
Avg. Volume (12 Months)	52.070

Multiples	2019	2020E	2021E
P/E	n.a.	n.a.	3423.8
EV/Sales	3.2	3.5	2.8
EV/EBIT	n.a.	n.a.	440.2
Div. Yield	0.0%	0.0%	0.0%

#### STOCK OVERVIEW



COMPANY DATA	As of 30 Jun 2020
Liquid Assets	€ 14.85m
Current Assets	€ 41.79m
Intangible Assets	€ 15.19m
Total Assets	€ 67.58m
Current Liabilities	€ 16.65m
Shareholders' Equity	€ 36.34m
SHAREHOLDERS	

HPE	16.0%
Dt. Asset & Wealth Mmgt	7.4%
Conduit Ventures	2.8%
Natixis	2.7%
Free Float	69.4%

Figure 1: Reported group figures versus forecasts

All figures in €m	Q2-20A	Q2-20E	Delta	Q2-19A	Delta	H1-20A	H1-19A	Delta
Sales	11.59	11.88	-2.4%	14.62	-20.7%	27.71	31.08	-10.8%
EBITDA	-2.49	-1.48	-	-1.15	-	-2.11	-0.37	-
margin	-21.5%	-12.5%		-7.9%		-7.6%	-1.2%	
Adjusted EBITDA	0.42	1.50	-72.1%	0.65	-35.1%	1.24	2.20	-43.7%
margin	3.6%	12.6%		4.4%		4.5%	7.1%	
EBIT	-3.57	-2.46	-	-1.97	-	-4.00	-1.99	-
margin	-30.8%	-20.7%		-13.5%		-14.4%	-6.4%	
Adjusted EBIT	-0.66	0.52	-	-0.17	-	-0.47	0.58	-
margin	-5.7%	4.4%		-1.2%		-1.7%	1.9%	
Net income	-3.71	-2.75	-	-2.24	-	-4.34	-2.56	-
margin	-32.0%	-23.1%		-15.3%		-15.7%	-8.2%	
EPS (diluted, in €)	-0.28	-0.21	-	-0.22	-	-0.33	-0.25	-

Source: First Berlin Equity Research, SFC Energy AG

**No concrete guidance for 2020** Visibility remains low due to the uncertain future development of the pandemic as well as the global recession and the low oil price. In March management had withdrawn guidance given in February and now expects significantly lower revenues and profitability than in 2019.

Low oil price and SARS-CoV-2 hit Oil & Gas segment The low oil price resulted in a general reluctance of oil & gas companies to invest, which is reflected in the 26% y/y retreat in Q2 segment sales to €4.2m (see figure 2). But the segment gross profit margin remained stable at above 26% y/y. Management expects market conditions to remain difficult for the rest of this year and has reduced the cost base. Our segment forecast anticipates a weak H2. We have lowered our 2020 gross margin assumption from 29% to 25%.

Figure 2: Reported segment figures versus forecasts

Delta
-13.1%
-22.0%
-69.7%
-83.1%
70.2%
63.8%
-27.4%
-28.1%
-10.8%
-15.6%

Source: First Berlin Equity Research, SFC Energy AG

Defence & Security segment without significant orders Many customers such as Israel

and India imposed restrictive lockdown measures, which have slowed down government decision making and sales activities. In Q2, segment sales fell 65% to €0.6m. Gross profit almost evaporated (€0.1m versus €0.8m in Q2/19). We still expect a pick-up in Q4 due to the typically strong year-end business, but have lowered our 2020 segment forecasts as visibility especially regarding potential German Army orders remains low.

Clean Energy & Mobility segment with spectacular performance Q2 segment revenue was seemingly unaffected by the virus and recession and rocketed 69% y/y to €4.3m. This was 40% above our forecast. Although the segment gross margin was down 3.8 PP to 39.0%, it remains at a high level and segment gross profit jumped 54% to €1.7m. We have significantly increased our 2020 segment forecast to reflect the outstanding H1 performance and continued high activity in H2.

Industry segment particularly affected by national shutdown measures Q2 sales fell 47% y/y to €2.5m due mainly to the postponement of orders from major customers. Gross profit declined to €0.7m versus €1.4m in Q2/19. We now expect Q3 to remain similarly weak, but anticipate recovery in Q4. This expectation is based on several new orders in H1, especially a follow-up order with a volume of €3m. Given the lower than expected Q2 segment figures and weak activity in Q3, we lower our segment forecasts for 2020.

Enough cash to weather the pandemic and recession SFC's cash position declined from €20.9m to €14.9m. Financial debt including lease liabilities amounted to €11.2m at the end of H1. The net cash position was thus €3.6m versus €6.4m at the end of 2019. In the worst recession since the end of World War II, SFC is in the comfortable position of having sufficient financial means to weather the crisis. Equity was down 10% to €36.3m. The equity ratio retreated 1.5 PP to 53.8%, but remained at a high level.

**Low operating cash outflow despite €4.3m net loss** Operating cash flow was €-0.9m as the €3.1m SAR expenses are a non-cash item. CAPEX of €2.4m resulted in negative free cash flow of €3.3m. Cash flow from financing was €2.7m due mainly to a €1.0m lease liability repayment and a €1.6m outflow because of changes in current account liabilities. Net cash flow amounted to €-6.1m.

**Higher order backlog** As of 30 June the order backlog was up +9% y/y at €12.5m. This is a better basis for H2 than in the prior year's period, but order entry in H1 retreated 13% y/y to €24.7m, which reflects the recessionary environment.

**Hydrogen fuel cell demand picking up** In June, SFC and its partner adKor received a call order to deliver JUPITER hydrogen fuel cell systems for more than 100 radio tower sites in another German federal state by December 2020. The call order has a volume of more than €2.5m. It is planned to equip up to 1,500 radio sites all across Germany.

Germany presented its national hydrogen strategy in June The German government expects hydrogen demand of 90-110 TWh (currently: ca. 55 TWh) by 2030. To support the hydrogen market ramp-up, the government will invest €7bn and an additional €2bn in international hydrogen alliances.

**Hydrogen is also a top priority of the EU** In July, the EU Commission published its "Hydrogen Strategy for a Climate-Neutral Europe" which envisages the development of a European hydrogen economy.

**Japan has already proclaimed the hydrogen society** As long ago as 2017, Japan decided on an ambitious plan for the transition of its power and transport sectors to hydrogen by 2050 with concrete intermediate targets for 2030. ("Strategic Road Map for Hydrogen and Fuel Cells"). This hydrogen strategy was updated in 2019 and is to lead to the establishment of a hydrogen society.

2020 forecast lowered, but medium-term forecasts increased due to significantly improving global hydrogen regulation We have lowered our 2020 forecast to reflect the heterogeneous segment development and higher than expected SAR costs. But we stick to our 2021 forecast as we anticipate strong recovery potential across all segments. Given the enormous efforts to further the hydrogen market ramp-up in Asia and Europe, we have increased our medium-term forecasts to reflect SFC's strong potential in the hydrogen fuel cell market.

Figure 3: 2020 segment sales and gross profit forecast

All figures in €m	2019A	2020E	Delta	2020E old
Oil & Gas				
Sales	21.95	18.00	-18%	18.00
Gross profit	6.41	4.50	-30%	5.22
margin	29.2%	25.0%	-	29.0%
Defence & Security				
Sales	7.59	4.50	-41%	8.50
Gross profit	3.39	1.94	-43%	3.91
margin	44.6%	43.0%	-	46.0%
Clean Energy & Mobility				
Sales	11.76	19.00	62%	13.00
Gross profit	5.09	7.88	55%	5.39
margin	43.2%	41.5%	-	41.5%
Industry				
Sales	17.24	13.00	-25%	15.00
Gross profit	5.24	3.77	-28%	4.50
margin	30.4%	29.0%	-	30.0%
Group				
Sales	58.54	54.50	-7%	54.50
Gross profit	20.13	18.08	-10%	19.02
margin	34.4%	33.2%	-	34.9%

Source: First Berlin Equity Research, SFC Energy AG

Figure 4: Revisions to forecasts

		2020E			2021E			2022E	
All figures in €m	Old	New	Delta	Old	New	Delta	Old	New	Delta
Sales	54.50	54.50	0.0%	66.80	66.80	0.0%	81.27	81.27	0.0%
EBIT	-1.28	-5.32	-	0.43	0.43	0.0%	3.41	3.41	0.0%
margin	-2.3%	-9.8%		0.6%	0.6%		4.2%	4.2%	
Net income	-2.14	-4.71	-	0.06	0.06	0.0%	2.28	2.28	0.0%
margin	-3.9%	-8.6%		0.1%	0.1%		2.8%	2.8%	
EPS (diluted) in €	-0.16	-0.36	-	0.00	0.00	0.0%	0.17	0.17	0.0%

Source: First Berlin Equity Research

Reduce rating reiterated at significantly increased price target An updated DCF model based on increased medium-term forecasts yields a new price target of €14.00 (previously: €9.40). Despite this higher price target, our rating remains Reduce due to the strong share price rise in recent months.



**VALUATION MODEL** 

DCF valuation model All figures in EUR '000	2020E	2021E	2022E	2023E	2024E	2025E	2026E	2027E
Net sales	54,500	66,800	81,273	97,528	115,526	135,060	155,810	177,341
NOPLAT	-5,323	414	2,697	4,840	6,796	8,360	9,972	11,639
+ depreciation & amortisation	3,392	3,495	3,816	3,685	3,655	3,779	4,020	4,344
Net operating cash flow	-1,932	3,909	6,513	8,525	10,451	12,139	13,992	15,983
- total investments (CAPEX and WC)	1,746	-6,767	-7,028	-7,581	-8,555	-9,482	-10,328	-11,046
Capital expenditures	-3,270	-3,540	-3,657	-3,804	-4,358	-4,924	-5,482	-6,013
Working capital	5,016	-3,226	-3,371	-3,778	-4,197	-4,558	-4,846	-5,033
Free cash flows (FCF)	-186	-2,858	-515	944	1,895	2,657	3,665	4,937
PV of FCF's	-181	-2,580	-431	733	1,366	1,776	2,272	2,840

All figures in thousands	
PV of FCFs in explicit period (2020E-2034E)	41,334
PV of FCFs in terminal period	136,625
Enterprise value (EV)	177,959
+ Net cash / - net debt	6,360
+ Investments / minority interests	0
Shareholder value	184,319
Diluted number of shares	13,154
Fair value per share in EUR	14.01

WACC	7.8%
Cost of equity	10.2%
Pre-tax cost of debt	6.0%
Tax rate	30.0%
After-tax cost of debt	4.2%
Share of equity capital	60.0%
Share of debt capital	40.0%
Price target in EUR	14.00

Terminal growth rate							
	1.5%	2.0%	2.5%	3.0%	3.5%	4.0%	4.5%
3.8%	44.60	54.68	72.50	112.60	286.37	-408.70	-110.82
4.8%	28.67	32.46	37.90	46.36	61.32	94.99	240.89
5.8%	20.34	22.14	24.49	27.67	32.23	39.34	51.90
6.8%	15.30	16.27	17.46	18.97	20.94	23.61	27.44
7.8%	11.96	12.52	13.20	14.01	15.02	16.28	17.93
8.8%	9.61	9.96	10.37	10.84	11.41	12.09	12.93
9.8%	7.89	8.12	8.37	8.67	9.01	9.41	9.88
10.8%	6.60	6.74	6.91	7.10	7.31	7.56	7.84

 $<sup>^{\</sup>ast}$  for layout purposes the model shows numbers only to 2027, but runs until 2034



# **INCOME STATEMENT**

All figures in EUR '000	2017A	2018A	2019A	2020E	2021E	2022E
Revenues	54,292	61,704	58,538	54,500	66,800	81,273
Cost of goods sold	36,566	40,623	38,410	36,419	44,070	53,721
Gross profit	17,726	21,082	20,128	18,081	22,730	27,552
S&M	9,786	10,792	12,438	12,800	12,100	13,410
G&A	5,016	5,230	5,994	7,350	5,700	6,014
R&D	3,892	3,525	3,104	3,200	4,500	4,714
Other operating income	277	320	178	164	200	244
Other operating expenses	194	529	57	218	200	244
Operating income (EBIT)	-885	1,325	-1,288	-5,323	430	3,413
Net financial result	-1,150	-737	-752	-558	-357	-416
Non-operating expenses	0	0	0	0	0	0
Pre-tax income (EBT)	-2,035	588	-2,040	-5,882	72	2,997
Income taxes	37	589	-113	-1,176	15	716
Minority interests	0	0	0	0	0	0
Net income / loss	-2,072	-1	-1,927	-4,705	57	2,281
Diluted EPS (in €)	-0.23	0.00	-0.17	-0.36	0.00	0.17
EBITDA	862	2,478	2,042	-1,932	3,924	7,229
One-off costs / earnings	592	1,227	1,589	0	0	0
Underlying EBITDA	1,454	3,705	3,631	-1,932	3,924	7,229
Underlying EBIT	177	2,553	301	-5,323	430	3,413
Ratios						
Gross margin	32.6%	34.2%	34.4%	33.2%	34.0%	33.9%
EBITDA margin on revenues	1.6%	4.0%	3.5%	-3.5%	5.9%	8.9%
EBIT margin on revenues	-1.6%	2.1%	-2.2%	-9.8%	0.6%	4.2%
Net margin on revenues	-3.8%	0.0%	-3.3%	-8.6%	0.1%	2.8%
Tax rate	-1.8%	100.1%	5.5%	20.0%	21.2%	23.9%
Expenses as % of revenues						
S&M	18.0%	17.5%	21.2%	23.5%	18.1%	16.5%
G&A	9.2%	8.5%	10.2%	13.5%	8.5%	7.4%
R&D	7.2%	5.7%	5.3%	5.9%	6.7%	5.8%
Other operating expenses	0.4%	0.9%	0.1%	0.4%	0.3%	0.3%
Y-Y Growth						
Revenues	23.3%	13.7%	-5.1%	-6.9%	22.6%	21.7%
Operating income	n.m.	n.m.	n.m.	n.m.	n.m.	694.5%
Net income/ loss	n.m.	n.m.	n.m.	n.m.	n.m.	3894.9%



# **BALANCE SHEET**

Assats	All figures in EUR '000	2017A	2018A	2019A	2020E	2021E	2022E
Current assets, total         21,849         28,289         47,818         38,529         43,788         48,924           Cash and cash equivalents         4,694         7,805         21,192         19,022         19,807         19,076           Short-term investments         0         0         0         0         0         0         19,976           Short-term investments         7,939         9,753         12,032         8,980         10,867         13,246           Other current assets, total         12,684         13,776         25,040         24,995         24,895           Property, plant & equipment         11,197         15,968         9,689         8,471         7,355         6,388           Octavill & Cother intangibles         10,950         11,497         13,921         16,198         16,359         17,188           Other cassets         537         684         1,250         1,250         1,250         1,250           Other landibles         19,563         18,865         20,514         15,088         21,216         20,039           Shareholders' equity & debt         4         7,714         5,552         2,000         4,137           Current liabilities, total         15,563 <td< td=""><td>Assets</td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	Assets						
Cash and cash equivalents         4,694         7,805         21,192         19,027         19,976           Short-term investments         0 <t< td=""><td></td><td>21.849</td><td>28.289</td><td>47.818</td><td>38.529</td><td>43.798</td><td>48.924</td></t<>		21.849	28.289	47.818	38.529	43.798	48.924
Short-term investments	•			•			
Receivables	•	•		*		•	
Inventories							
Other current assets   504   573   822   222   1,229   1,22		•		*		•	
Non-current assets, total   12,684   13,776   25,040   24,919   24,965   24,806   Property, plant & equipment   1,197   1,596   9,869   8,471   7,355   6,368   Goodwill & other intangibles   10,950   11,497   13,921   15,198   16,359   17,188   Other assets   537   684   1,250   1,250   1,250   1,250   1,250   Total assets   34,534   42,065   72,859   63,448   68,763   73,730						•	
Property, plant & equipment   1.197   1.596   9.869   8.471   7.355   6.368   Goodwill & other intangibles   10.950   11.497   13.921   15.198   16.359   17.188   16.359   17.188   15.350   12.50						•	
Goodwill & other intangibles         10,950         11,497         13,921         15,198         16,359         17,188           Other assets         537         684         1,250         1,263         1,263         1,263         1,263         1,61         20,039         5,587         7,244         8,331         1,263         1,263         1,1263         1,1263         1,1263         1,1263         1,1263         1,1263         1,1263         1,1264         8,331         3,630         3,531         3,531         3,531         3,531         3,531         3,531         3,531         3,531         3,531         3,531         3,531         3,531         3,531         3,531         3,531         3,531         3,531         3,531         3,533         3,533 <td>•</td> <td></td> <td></td> <td></td> <td></td> <td>•</td> <td></td>	•					•	
Other assets         537         684         1,250         1,250         1,250           Total assets         34,534         42,065         72,859         63,448         68,763         73,730           Shareholders' equity & debt           Current liabilities, total         18,563         18,865         20,514         15,058         21,216         20,039           Short-term debt         9,410         7,154         5,552         2,000         6,900         4,137           Accounts payable         5,520         7,093         8,090         5,987         7,244         8,831           Current provisions         800         972         1,263         1,263         1,263         1,263         1,263           Liabilities under finance leases         0         44         2,278         2,278         2,278         2,278         2,278         2,278         2,168         1,184         1,504         1,504         1,508		•				•	
Total assets         34,534         42,065         72,859         63,448         68,763         73,730           Shareholders' equity & debt         Current liabilities, total         18,563         18,865         20,514         15,058         21,216         20,039           Short-term debt         9,410         7,154         5,552         2,000         6,900         4,137           Accounts payable         5,520         7,093         8,090         5,987         7,244         8,831           Current provisions         800         972         1,263         1,263         1,263         1,263           Liabilities under finance leases         0         44         2,278         2,278         2,278         2,278         2,278           Cibrer unitabilities, total         2,076         4,996         12,085         11,184         15,048           Long-term debt         529         3,056         3,953         3,953         3,053         6,916           Liabilities under finance leases         0         5         5,755         5,755         5,755         5,755         5,755         5,755         5,755         5,755         5,755         5,755         5,755         5,755         5,755         5,755         5,75		•				•	
Current liabilities, total         18,663         18,865         20,514         15,058         21,216         20,039           Short-term debt         9,410         7,154         5,352         2,000         6,900         4,137           Accounts payable         5,520         7,093         8,090         5,987         7,244         8,831           Current provisions         800         972         1,263         1,263         1,263         1,263           Liabilities under finance leases         0         44         2,278         2,278         2,278           Other current liabilities, total         2,076         4,996         12,085         11,184         15,048           Long-term labilities, total         2,076         4,996         12,085         11,184         15,048           Long-term liabilities under finance leases         0         54         5,755         5,						•	
Short-term debt         9,410         7,154         5,352         2,000         6,900         4,137           Accounts payable         5,520         7,093         8,090         5,987         7,244         8,831           Liabilities under finance leases         0         44         2,278         2,278         2,278           Other current liabilities         2,833         3,602         3,531         3,531         3,531           Long-term lebt         529         3,056         3,953         3,953         3,053         6,916           Liabilities under finance leases         0         54         5,755 <td< td=""><td>Shareholders' equity &amp; debt</td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	Shareholders' equity & debt						
Short-term debt         9,410         7,154         5,352         2,000         6,900         4,137           Accounts payable         5,520         7,093         8,090         5,987         7,244         8,831           Liabilities under finance leases         0         44         2,278         2,278         2,278           Other current liabilities         2,833         3,602         3,531         3,531         3,531           Long-term lebt         529         3,056         3,953         3,953         3,053         6,916           Liabilities under finance leases         0         54         5,755 <td< td=""><td></td><td>18.563</td><td>18.865</td><td>20.514</td><td>15.058</td><td>21.216</td><td>20.039</td></td<>		18.563	18.865	20.514	15.058	21.216	20.039
Accounts payable         5,520         7,093         8,090         5,987         7,244         8,831           Current provisions         800         972         1,263         2,278         2,278         2,278         2,278         2,278         2,378         2,353         3,531<	•						•
Current provisions         800         972         1,263         1,263         1,263         1,263           Liabilities under finance leases         0         44         2,278         2,376		•					
Liabilities under finance leases         0         44         2,278         2,278         2,278           Other current liabilities         2,833         3,602         3,531         3,531         3,531         3,531           Long-term liabilities, total         2,076         4,996         12,085         11,184         15,048           Liabilities under finance leases         0         54         5,755         5,755         5,755           Other liabilities         1,547         1,886         2,376         2,376         2,376           Minority interests         0         0         0         0         0         0           Minority interests         0         0         0         0         0         0         0           Shareholders' equity         13,895         18,204         40,260         36,305         36,362         38,643           Share capital         9,659         10,250         12,950         13,154         13,154         13,154           Capital reserve         75,475         79,498         100,417         100,962         100,962           Other reserves         0         0         0         0         0         0           Total consolidated equity	· · ·	•				•	
Other current liabilities         2,833         3,602         9,531         3,531         3,531           Long-term liabilities, total         2,076         4,996         12,085         12,085         11,184         15,048           Long-term debt         529         3,056         3,953         3,953         3,053         6,916           Labilities under finance leases         0         54         5,755         5,755         5,755           Other liabilities         1,547         1,886         2,376         2,376         2,376         2,376           Minority interests         0         0         0         0         0         0         0           Shareholders' equity         13,895         18,204         40,260         36,305         36,362         38,643           Share capital         9,659         10,250         12,950         13,154         13,154         13,154         23,164         24,062         200         0	•						
Long-term liabilities, total         2,076         4,996         12,085         12,085         11,184         15,048           Long-term debt         529         3,056         3,953         3,953         3,053         6,916           Liabilities under finance leases         0         54         5,755 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
Long-term debt         529         3,056         3,953         3,953         3,053         6,916           Liabilities under finance leases         0         54         5,755         5,755         5,755         5,755           Other liabilities         1,547         1,886         2,376         2,376         2,376         2,376           Minority interests         0         0         0         0         0         0         0           Shareholders' equity         13,895         18,204         40,260         36,305         36,362         38,643           Share capital         9,659         10,250         12,950         13,154		•					
Liabilities under finance leases         0         54         5,755         5,755         5,755           Other liabilities         1,547         1,886         2,376         2,376         2,376           Minority interests         0         0         0         0         0         0           Shareholders' equity         13,895         18,204         40,260         36,305         36,362         38,643           Share capital         9,659         10,250         12,950         13,154         13,1							
Other liabilities         1,547         1,886         2,376         2,376         2,376         2,376           Minority interests         0         0         0         0         0         0         0           Shareholders' equity         13,895         18,204         40,260         36,305         36,362         38,643           Share capital         9,659         10,250         12,950         13,154         13,154         13,154           Capital reserve         75,475         79,498         100,417         100,962	_						-
Minority interests         0         0         0         0         0         0           Shareholders' equity         13,895         18,204         40,260         36,305         36,362         38,643           Share capital         9,659         10,250         12,950         13,154         13,154         13,154           Capital reserve         75,475         79,498         100,417         100,962         100,962         100,962           Other reserves         0         0         0         0         0         0         0           Chess carryforward / retained earnings         -70,423         -70,520         -72,447         -77,153         -77,096         -74,815           Total consolidated equity and debt         34,534         42,065         72,859         63,448         68,763         73,730           Ratios           Current ratio (x)         1.18         1.50         2.33         2.56         2.06         2.44           Quick ratio (x)         0.75         0.98         1.74         1.96         1.55         1.78           Net cash         -5,245         -2,405         6,132         7,314         4,099         3,168           Net gearing </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>•</td> <td>•</td>						•	•
Shareholders' equity         13,895         18,204         40,260         36,305         36,362         38,643           Share capital         9,659         10,250         12,950         13,154         13,154         13,154           Capital reserve         75,475         79,498         100,417         100,962         100,962         100,962           Other reserves         0         0         0         0         0         0         0           Treasury stock         0         0         0         0         0         0         0         0           Loss carryforward / retained earnings         -70,423         -70,520         -72,447         -77,153         -77,096         -74,815           Total consolidated equity and debt         34,534         42,065         72,859         63,448         68,763         73,730           Ratios           Current ratio (x)         1.18         1.50         2.33         2.56         2.06         2.44           Quick ratio (x)         0.75         0.98         1.74         1.96         1.55         1.78           Net cash         -5,245         -2,405         6,132         7,314         4,099         3,168	Other liabilities	1,547	1,886	2,376	2,376	2,376	2,376
Share capital         9,659         10,250         12,950         13,154         13,154         13,154           Capital reserve         75,475         79,498         100,417         100,962         100,962         100,962           Other reserves         0         0         0         0         0         0         0           Treasury stock         0         0         0         0         0         0         0         0           Loss carryforward / retained earnings         -70,423         -70,520         -72,447         -77,153         -77,096         -74,815           Total consolidated equity and debt         34,534         42,065         72,859         63,448         68,763         73,730           Ratios           Current ratio (x)         1.18         1.50         2.33         2.56         2.06         2.44           Quick ratio (x)         0.75         0.98         1.74         1.96         1.55         1.78           Net cash         -5,245         -2,405         6,132         7,314         4,099         3,168           Net gearing         37.7%         13.2%         -15.2%         -20.1%         -11.3%         -8.2%	Minority interests	0	0	0	0	0	0
Capital reserve         75,475         79,498         100,417         100,962         100,962         100,962           Other reserves         0         0         0         0         0         0         0           Treasury stock         0         0         0         0         0         0         0         0           Loss carryforward / retained earnings         -70,423         -70,520         -72,447         -77,153         -77,096         -74,815           Total consolidated equity and debt         34,534         42,065         72,859         63,448         68,763         73,730           Ratios           Current ratio (x)         1.18         1.50         2.33         2.56         2.06         2.44           Quick ratio (x)         0.75         0.98         1.74         1.96         1.55         1.78           Net cash         -5,245         -2,405         6,132         7,314         4,099         3,168           Net gearing         37.7%         13.2%         -15.2%         -20.1%         -11.3%         8.2%           Book value per share (€)         1.51         1.79         3.50         2.76         2.76         2.94	Shareholders' equity	13,895	18,204	40,260	36,305	36,362	38,643
Other reserves         0	Share capital	9,659	10,250	12,950	13,154	13,154	13,154
Treasury stock 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Capital reserve	75,475	79,498	100,417	100,962	100,962	100,962
Loss carryforward / retained earnings         -70,423         -70,520         -72,447         -77,153         -77,096         -74,815           Total consolidated equity and debt         34,534         42,065         72,859         63,448         68,763         73,730           Ratios           Current ratio (x)         1.18         1.50         2.33         2.56         2.06         2.44           Quick ratio (x)         0.75         0.98         1.74         1.96         1.55         1.78           Net cash         -5,245         -2,405         6,132         7,314         4,099         3,168           Net gearing         37.7%         13.2%         -15.2%         -20.1%         -11.3%         -8.2%           Book value per share (€)         1.51         1.79         3.50         2.76         2.76         2.94           Equity ratio         40.2%         43.3%         55.3%         57.2%         52.9%         52.4%           Return on equity (ROE)         -14.9%         0.0%         -4.8%         -13.0%         0.2%         5.9%           Return on investment (ROI)         -6.0%         0.0%         -2.6%         -7.4%         0.1%         3.1% <t< td=""><td>Other reserves</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></t<>	Other reserves	0	0	0	0	0	0
Ratios         Current ratio (x)         1.18         1.50         2.33         2.56         2.06         2.44           Quick ratio (x)         0.75         0.98         1.74         1.96         1.55         1.78           Net cash         -5,245         -2,405         6,132         7,314         4,099         3,168           Net gearing         37.7%         13.2%         -15.2%         -20.1%         -11.3%         -8.2%           Book value per share (€)         1.51         1.79         3.50         2.76         2.76         2.94           Equity ratio         40.2%         43.3%         55.3%         57.2%         52.9%         52.4%           Return on equity (ROE)         -14.9%         0.0%         -4.8%         -13.0%         0.2%         5.9%           Return on investment (ROI)         -6.0%         0.0%         -2.6%         -7.4%         0.1%         3.1%           Return on capital employed (ROCE)         -4.1%         6.1%         -4.2%         -14.7%         1.2%         8.9%           Days of inventory turnover         79.3         87.6         114.3         90.0         90.0         90.0	Treasury stock	0	0	0	0	0	0
Ratios         Current ratio (x)       1.18       1.50       2.33       2.56       2.06       2.44         Quick ratio (x)       0.75       0.98       1.74       1.96       1.55       1.78         Net cash       -5,245       -2,405       6,132       7,314       4,099       3,168         Net gearing       37.7%       13.2%       -15.2%       -20.1%       -11.3%       -8.2%         Book value per share (€)       1.51       1.79       3.50       2.76       2.76       2.94         Equity ratio       40.2%       43.3%       55.3%       57.2%       52.9%       52.4%         Return on equity (ROE)       -14.9%       0.0%       -4.8%       -13.0%       0.2%       5.9%         Return on investment (ROI)       -6.0%       0.0%       -2.6%       -7.4%       0.1%       3.1%         Return on assets (ROA)       -2.6%       1.8%       -1.6%       -6.5%       0.6%       3.8%         Return on capital employed (ROCE)       -4.1%       6.1%       -4.2%       -14.7%       1.2%       8.9%         Days of inventory turnover       79.3       87.6       114.3       90.0       90.0       90.0	Loss carryforward / retained earnings	-70,423	-70,520	-72,447	-77,153	-77,096	-74,815
Current ratio (x)         1.18         1.50         2.33         2.56         2.06         2.44           Quick ratio (x)         0.75         0.98         1.74         1.96         1.55         1.78           Net cash         -5,245         -2,405         6,132         7,314         4,099         3,168           Net gearing         37.7%         13.2%         -15.2%         -20.1%         -11.3%         -8.2%           Book value per share (€)         1.51         1.79         3.50         2.76         2.76         2.94           Equity ratio         40.2%         43.3%         55.3%         57.2%         52.9%         52.4%           Return on equity (ROE)         -14.9%         0.0%         -4.8%         -13.0%         0.2%         5.9%           Return on investment (ROI)         -6.0%         0.0%         -2.6%         -7.4%         0.1%         3.1%           Return on assets (ROA)         -2.6%         1.8%         -1.6%         -6.5%         0.6%         3.8%           Return on capital employed (ROCE)         -4.1%         6.1%         -4.2%         -14.7%         1.2%         8.9%           Days of inventory turnover         79.3         87.6         114.3	Total consolidated equity and debt	34,534	42,065	72,859	63,448	68,763	73,730
Quick ratio (x)       0.75       0.98       1.74       1.96       1.55       1.78         Net cash       -5,245       -2,405       6,132       7,314       4,099       3,168         Net gearing       37.7%       13.2%       -15.2%       -20.1%       -11.3%       -8.2%         Book value per share (€)       1.51       1.79       3.50       2.76       2.76       2.94         Equity ratio       40.2%       43.3%       55.3%       57.2%       52.9%       52.4%         Return on equity (ROE)       -14.9%       0.0%       -4.8%       -13.0%       0.2%       5.9%         Return on investment (ROI)       -6.0%       0.0%       -2.6%       -7.4%       0.1%       3.1%         Return on assets (ROA)       -2.6%       1.8%       -1.6%       -6.5%       0.6%       3.8%         Return on capital employed (ROCE)       -4.1%       6.1%       -4.2%       -14.7%       1.2%       8.9%         Days of inventory turnover       79.3       87.6       114.3       90.0       90.0       90.0							
Net cash       -5,245       -2,405       6,132       7,314       4,099       3,168         Net gearing       37.7%       13.2%       -15.2%       -20.1%       -11.3%       -8.2%         Book value per share (€)       1.51       1.79       3.50       2.76       2.76       2.94         Equity ratio       40.2%       43.3%       55.3%       57.2%       52.9%       52.4%         Return on equity (ROE)       -14.9%       0.0%       -4.8%       -13.0%       0.2%       5.9%         Return on investment (ROI)       -6.0%       0.0%       -2.6%       -7.4%       0.1%       3.1%         Return on assets (ROA)       -2.6%       1.8%       -1.6%       -6.5%       0.6%       3.8%         Return on capital employed (ROCE)       -4.1%       6.1%       -4.2%       -14.7%       1.2%       8.9%         Days of inventory turnover       79.3       87.6       114.3       90.0       90.0       90.0							
Net gearing       37.7%       13.2%       -15.2%       -20.1%       -11.3%       -8.2%         Book value per share (€)       1.51       1.79       3.50       2.76       2.76       2.94         Equity ratio       40.2%       43.3%       55.3%       57.2%       52.9%       52.4%         Return on equity (ROE)       -14.9%       0.0%       -4.8%       -13.0%       0.2%       5.9%         Return on investment (ROI)       -6.0%       0.0%       -2.6%       -7.4%       0.1%       3.1%         Return on assets (ROA)       -2.6%       1.8%       -1.6%       -6.5%       0.6%       3.8%         Return on capital employed (ROCE)       -4.1%       6.1%       -4.2%       -14.7%       1.2%       8.9%         Days of inventory turnover       79.3       87.6       114.3       90.0       90.0       90.0	Quick ratio (x)	0.75	0.98	1.74	1.96	1.55	1.78
Book value per share (€)         1.51         1.79         3.50         2.76         2.76         2.94           Equity ratio         40.2%         43.3%         55.3%         57.2%         52.9%         52.4%           Return on equity (ROE)         -14.9%         0.0%         -4.8%         -13.0%         0.2%         5.9%           Return on investment (ROI)         -6.0%         0.0%         -2.6%         -7.4%         0.1%         3.1%           Return on assets (ROA)         -2.6%         1.8%         -1.6%         -6.5%         0.6%         3.8%           Return on capital employed (ROCE)         -4.1%         6.1%         -4.2%         -14.7%         1.2%         8.9%           Days of sales outstanding (DSO)         58.6         60.1         85.9         65.0         65.0         65.0           Days of inventory turnover         79.3         87.6         114.3         90.0         90.0         90.0	Net cash	-5,245	-2,405	6,132	7,314	4,099	3,168
Equity ratio         40.2%         43.3%         55.3%         57.2%         52.9%         52.4%           Return on equity (ROE)         -14.9%         0.0%         -4.8%         -13.0%         0.2%         5.9%           Return on investment (ROI)         -6.0%         0.0%         -2.6%         -7.4%         0.1%         3.1%           Return on assets (ROA)         -2.6%         1.8%         -1.6%         -6.5%         0.6%         3.8%           Return on capital employed (ROCE)         -4.1%         6.1%         -4.2%         -14.7%         1.2%         8.9%           Days of sales outstanding (DSO)         58.6         60.1         85.9         65.0         65.0         65.0           Days of inventory turnover         79.3         87.6         114.3         90.0         90.0         90.0	Net gearing	37.7%	13.2%	-15.2%	-20.1%	-11.3%	-8.2%
Return on equity (ROE)         -14.9%         0.0%         -4.8%         -13.0%         0.2%         5.9%           Return on investment (ROI)         -6.0%         0.0%         -2.6%         -7.4%         0.1%         3.1%           Return on assets (ROA)         -2.6%         1.8%         -1.6%         -6.5%         0.6%         3.8%           Return on capital employed (ROCE)         -4.1%         6.1%         -4.2%         -14.7%         1.2%         8.9%           Days of sales outstanding (DSO)         58.6         60.1         85.9         65.0         65.0         65.0           Days of inventory turnover         79.3         87.6         114.3         90.0         90.0         90.0	Book value per share (€)	1.51	1.79	3.50	2.76	2.76	2.94
Return on investment (ROI)       -6.0%       0.0%       -2.6%       -7.4%       0.1%       3.1%         Return on assets (ROA)       -2.6%       1.8%       -1.6%       -6.5%       0.6%       3.8%         Return on capital employed (ROCE)       -4.1%       6.1%       -4.2%       -14.7%       1.2%       8.9%         Days of sales outstanding (DSO)       58.6       60.1       85.9       65.0       65.0       65.0         Days of inventory turnover       79.3       87.6       114.3       90.0       90.0       90.0	Equity ratio	40.2%	43.3%	55.3%	57.2%	52.9%	52.4%
Return on assets (ROA)       -2.6%       1.8%       -1.6%       -6.5%       0.6%       3.8%         Return on capital employed (ROCE)       -4.1%       6.1%       -4.2%       -14.7%       1.2%       8.9%         Days of sales outstanding (DSO)       58.6       60.1       85.9       65.0       65.0       65.0         Days of inventory turnover       79.3       87.6       114.3       90.0       90.0       90.0	Return on equity (ROE)	-14.9%	0.0%	-4.8%	-13.0%	0.2%	5.9%
Return on capital employed (ROCE)       -4.1%       6.1%       -4.2%       -14.7%       1.2%       8.9%         Days of sales outstanding (DSO)       58.6       60.1       85.9       65.0       65.0       65.0         Days of inventory turnover       79.3       87.6       114.3       90.0       90.0       90.0	Return on investment (ROI)	-6.0%	0.0%	-2.6%	-7.4%	0.1%	3.1%
Return on capital employed (ROCE)       -4.1%       6.1%       -4.2%       -14.7%       1.2%       8.9%         Days of sales outstanding (DSO)       58.6       60.1       85.9       65.0       65.0       65.0         Days of inventory turnover       79.3       87.6       114.3       90.0       90.0       90.0		-2.6%	1.8%	-1.6%	-6.5%		3.8%
Days of sales outstanding (DSO)       58.6       60.1       85.9       65.0       65.0       65.0         Days of inventory turnover       79.3       87.6       114.3       90.0       90.0       90.0	Return on capital employed (ROCE)	-4.1%	6.1%	-4.2%	-14.7%	1.2%	8.9%
Days of inventory turnover 79.3 87.6 114.3 90.0 90.0 90.0		58.6					
	• • • • • • • • • • • • • • • • • • • •	79.3	87.6	114.3			
		55.1					



All figures in EUR '000	2017A	2018A	2019A	2020E	2021E	2022E
EBIT	-885	1,325	-1,288	-5,323	430	3,413
Depreciation and amortisation	1,747	1,153	3,330	3,392	3,495	3,816
EBITDA	862	2,478	2,042	-1,932	3,924	7,229
Changes in working capital	1,362	-1,417	-5,026	5,016	-3,226	-3,371
Other adjustments	-519	945	1,723	1,176	-15	-716
Operating cash flow	1,704	2,005	-1,261	4,260	683	3,142
Investments in PP&E	-497	-928	-1,110	-872	-1,002	-1,219
Investments in intangibles	-844	-1,445	-2,582	-2,398	-2,538	-2,438
Free cash flow	363	-368	-4,952	990	-2,858	-515
Acquisitions & disposals, net	33	0	64	0	0	0
Other investments	0	0	0	0	0	0
Investing cash flow	-1,308	-2,373	-3,628	-3,270	-3,540	-3,657
Debt financing, net	2,252	-1,786	-5,258	-3,352	4,000	1,100
Equity financing, net	400	4,220	27,000	750	0	0
Dividend paid	0	0	0	0	0	0
Other financing	-394	1,045	-3,467	-558	-357	-416
Financing cash flow	2,258	3,479	18,275	-3,160	3,643	684
Forex & other effects	-2	0	0	0	0	0
Net cash flows	2,653	3,111	13,387	-2,170	785	169
Cash, start of the year	1,756	4,409	7,520	21,192	19,022	19,807
Cash, end of the year	4,409	7,520	20,907	19,022	19,807	19,976
EBITDA/share (in €)	0.09	0.24	0.18	-0.15	0.30	0.55
Y-Y Growth						
Operating cash flow	n.m.	17.7%	n.m.	n.m.	-84.0%	360.3%
Free cash flow	n.m.	n.m.	n.m.	n.m.	n.m.	n.m.
EBITDA/share	n.m.	160.5%	-27.2%	n.m.	n.m.	84.2%



## **Imprint / Disclaimer**

#### First Berlin Equity Research

First Berlin Equity Research GmbH ist ein von der BaFin betreffend die Einhaltung der Pflichten des §85 Abs. 1 S. 1 WpHG, des Art. 20 Abs. 1 Marktmissbrauchsverordnung (MAR) und der Markets Financial Instruments Directive (MiFID) II, Markets in Financial Instruments Directive (MiFID) II Durchführungsverordnung und der Markets in Financial Instruments Regulations (MiFIR) beaufsichtigtes Unternehmen.

First Berlin Equity Research GmbH is one of the companies monitored by BaFin with regard to its compliance with the requirements of Section 85 (1) sentence 1 of the German Securities Trading Act [WpHG], art. 20 (1) Market Abuse Regulation (MAR) and Markets in Financial Instruments Directive (MiFID) II, Markets in Financial Instruments Directive (MiFID) II Commission Delegated Regulation and Markets in Financial Instruments Regulations (MiFIR).

Anschrift:

First Berlin Equity Research GmbH Mohrenstr. 34 10117 Berlin Germany

Vertreten durch den Geschäftsführer: Martin Bailey

Telefon: +49 (0) 30-80 93 9 680 Fax: +49 (0) 30-80 93 9 687 E-Mail: <u>info@firstberlin.com</u>

Amtsgericht Berlin Charlottenburg HR B 103329 B

UST-Id.: 251601797

Ggf. Inhaltlich Verantwortlicher gem. § 6 MDStV

First Berlin Equity Research GmbH

Authored by: Dr. Karsten von Blumenthal, Analyst All publications of the last 12 months were authored by Dr. Karsten von Blumenthal.

Company responsible for preparation: First Berlin Equity Research GmbH, Mohrenstraße 34, 10117 Berlin

The production of this recommendation was completed on 25 August 2020 at 09:00

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

Copyright® 2020 First Berlin Equity Research GmbH No part of this financial analysis may be copied, photocopied, duplicated or distributed in any form or media whatsoever without prior written permission from First Berlin Equity Research GmbH. First Berlin Equity Research GmbH shall be identified as the source in the case of quotations. Further information is available on request.

INFORMATION PURSUANT TO SECTION 85 (1) SENTENCE 1 OF THE GERMAN SECURITIES TRADING ACT [WPHG], TO ART. 20 (1) OF REGULATION (EU) NO 596/2014 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF APRIL 16, 2014, ON MARKET ABUSE (MARKET ABUSE REGULATION) AND TO ART. 37 OF COMMISSION DELEGATED REGULATION (EU) NO 2017/565 (MIFID) II.

First Berlin Equity Research GmbH (hereinafter referred to as: "First Berlin") prepares financial analyses while taking the relevant regulatory provisions, in particular section 85 (1) sentence 1 of the German Securities Trading Act [WpHG], art. 20 (1) of Regulation (EU) No 596/2014 of the European Parliament and of the Council of April 16, 2014, on market abuse (market abuse regulation) and art. 37 of Commission Delegated Regulation (EU) no. 2017/565 (MiFID II) into consideration. In the following First Berlin provides investors with information about the statutory provisions that are to be observed in the preparation of financial analyses.

#### **CONFLICTS OF INTEREST**

In accordance with art. 37 (1) of Commission Delegated Regulation (EU) no. 2017/565 (MiFID) II and art. 20 (1) of Regulation (EU) No 596/2014 of the European Parliament and of the Council of April 16, 2014, on market abuse (market abuse regulation) investment firms which produce, or arrange for the production of, investment research that is intended or likely to be subsequently disseminated to clients of the firm or to the public, under their own responsibility or that of a member of their group, shall ensure the implementation of all the measures set out in Article 34 (3) of Regulation (EU) 2017/565 in relation to the financial analysts involved in the production of the investment research and other relevant persons whose responsibilities or business interests may conflict with the interests of the persons to whom the investment research is disseminated. In accordance with art. 34 (3) of Regulation (EU) 2017/565 the procedures and measures referred to in paragraph 2 (b) shall be designed to ensure that relevant persons engaged in different business activities involving a conflict of interests carry on those activities at a level of independence appropriate to the size and activities of the investment firm and of the group to which it belongs, and to the risk of damage to the interests of clients.

First Berlin offers a range of services that go beyond the preparation of financial analyses. Although First Berlin strives to avoid conflicts of interest wherever possible, First Berlin may maintain the following relations with the analysed company, which in particular may constitute a potential conflict of interest (further information and data may be provided on request):

- The author, First Berlin, or a company associated with First Berlin holds an interest of more than five percent in the share capital of the analysed company;
- The author, First Berlin, or a company associated with First Berlin provided investment banking or consulting services
  for the analysed company within the past twelve months for which remuneration was or was to be paid;
- The author, First Berlin, or a company associated with First Berlin reached an agreement with the analysed company for preparation of a financial analysis for which remuneration is owed;
- The author, First Berlin, or a company associated with First Berlin has other significant financial interests in the analysed company;



In order to avoid and, if necessary, manage possible conflicts of interest both the author of the financial analysis and First Berlin shall be obliged to neither hold nor in any way trade the securities of the company analyzed. The remuneration of the author of the financial analysis stands in no direct or indirect connection with the recommendations or opinions represented in the financial analysis. Furthermore, the remuneration of the author of the financial analysis is neither coupled directly to financial transactions nor to stock exchange trading volume or asset management fees.

If despite these measures one or more of the aforementioned conflicts of interest cannot be avoided on the part of the author or First Berlin, then reference shall be made to such conflict of interest.

INFORMATION PURSUANT TO SECTION 64 OF THE GERMAN SECURITIES TRADING ACT [WPHG], DIRECTIVE 2014/65/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 15 MAY 2014 ON MARKETS IN FINANCIAL INSTRUMENTS AND AMENDING DIRECTIVE 2002/92/EC AND DIRECTIVE 2011/61/EU, ACCOMPANIED BY THE MARKETS IN FINANCIAL INSTRUMENTS REGULATION (MIFIR, REG. EU NO. 600/2014).

First Berlin notes that is has concluded a contract with the issuer to prepare financial analyses and is paid for that by the issuer. First Berlin makes the financial analysis simultaneously available for all interested security financial services companies. First Berlin thus believes that it fulfils the requirements of section 64 WpHG for minor non-monetary benefits.

#### **PRICE TARGET DATES**

Unless otherwise indicated, current prices refer to the closing prices of the previous trading day.

#### AGREEMENT WITH THE ANALYSED COMPANY AND MAINTENANCE OF OBJECTIVITY

The present financial analysis is based on the author's own knowledge and research. The author prepared this study without any direct or indirect influence exerted on the part of the analysed company. Parts of the financial analysis were possibly provided to the analysed company prior to publication in order to avoid inaccuracies in the representation of facts. However, no substantial changes were made at the request of the analysed company following any such provision.

#### **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		1	2	
Current market	capitalisation (in €)	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.

#### **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	23 June 2014	€4.84	Buy	€7.40
236	<b>↓</b>	<b>↓</b>	$\downarrow$	<b>↓</b>
37	24 May 2019	€14.50	SELL	€11.30
38	16 July 2019	€12.50	ADD	€12.60
39	29 August 2019	€10.10	ADD	€11.90
40	18 November 2019	€9.22	Add	€10.00
41	13 February 2020	€12.20	Reduce	€11.40
42	23 March 2020	€9.00	Add	€9.40
43	2 April 2020	€9.02	Add	€9.40
44	20 May 2020	€9.79	Reduce	€9.40
45	Today	€14.86	Reduce	€14.00

#### **INVESTMENT HORIZON**

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

#### UPDATES

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.

#### **SUBJECT TO CHANGE**

The opinions contained in the financial analysis reflect the assessment of the author on the day of publication of the financial analysis. The author of the financial analysis reserves the right to change such opinion without prior notification.



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/

SUPERVISORY AUTHORITY: Bundesanstalt für Finanzdienstleistungsaufsicht (German Federal Financial Supervisory Authority) [BaFin], Graurheindorferstraße 108, 53117 Bonn and Marie-Curie-Straße 24-28, 60439 Frankfurt am Main

#### **EXCLUSION OF LIABILITY (DISCLAIMER)**

#### RELIABILITY OF INFORMATION AND SOURCES OF INFORMATION

The information contained in this study is based on sources considered by the author to be reliable. Comprehensive verification of the accuracy and completeness of information and the reliability of sources of information has neither been carried out by the author nor by First Berlin. As a result no warranty of any kind whatsoever shall be assumed for the accuracy and completeness of information and the reliability of sources of information, and neither the author nor First Berlin, nor the person responsible for passing on or distributing the financial analysis shall be liable for any direct or indirect damage incurred through reliance on the accuracy and completeness of information and the reliability of sources of information.

#### **RELIABILITY OF ESTIMATES AND FORECASTS**

The author of the financial analysis made estimates and forecasts to the best of the author's knowledge. These estimates and forecasts reflect the author's personal opinion and judgement. The premises for estimates and forecasts as well as the author's perspective on such premises are subject to constant change. Expectations with regard to the future performance of a financial instrument are the result of a measurement at a single point in time and may change at any time. The result of a financial analysis always describes only one possible future development – the one that is most probable from the perspective of the author – of a number of possible future developments.

Any and all market values or target prices indicated for the company analysed in this financial analysis may not be achieved due to various risk factors, including but not limited to market volatility, sector volatility, the actions of the analysed company, economic climate, failure to achieve earnings and/or sales forecasts, unavailability of complete and precise information and/or a subsequently occurring event which affects the underlying assumptions of the author and/or other sources on which the author relies in this document. Past performance is not an indicator of future results: past values cannot be carried over into the future.

Consequently, no warranty of any kind whatsoever shall be assumed for the accuracy of estimates and forecasts, and neither the author nor First Berlin, nor the person responsible for passing on or distributing the financial analysis shall be liable for any direct or indirect damage incurred through reliance on the correctness of estimates and forecasts.

# INFORMATION PURPOSES, NO RECOMMENDATION, SOLICITATION, NO OFFER FOR THE PURCHASE OF SECURITIES

The present financial analysis serves information purposes. It is intended to support institutional investors in making their own investment decisions; however in no way provide the investor with investment advice. Neither the author, nor First Berlin, nor the person responsible for passing on or distributing the financial analysis shall be considered to be acting as an investment advisor or portfolio manager vis-à-vis an investor. Each investor must form his own independent opinion with regard to the suitability of an investment in view of his own investment objectives, experience, tax situation, financial position and other circumstances.

The financial analysis does not represent a recommendation or solicitation and is not an offer for the purchase of the security specified in this financial analysis. Consequently, neither the author nor First Berlin, nor the person responsible for passing on or distributing the financial analysis shall as a result be liable for losses incurred through direct or indirect employment or use of any kind whatsoever of information or statements arising out of this financial analysis.

A decision concerning an investment in securities should take place on the basis of independent investment analyses and procedures as well as other studies including, but not limited to, information memoranda, sales or issuing prospectuses and not on the basis of this document.

#### NO ESTABLISHMENT OF CONTRACTUAL OBLIGATIONS

By taking note of this financial analysis the recipient neither becomes a customer of First Berlin, nor does First Berlin incur any contractual, quasi-contractual or pre-contractual obligations and/or responsibilities toward the recipient. In particular no information contract shall be established between First Berlin and the recipient of this information.

#### NO OBLIGATION TO UPDATE

First Berlin, the author and/or the person responsible for passing on or distributing the financial analysis shall not be obliged to update the financial analysis. Investors must keep themselves informed about the current course of business and any changes in the current course of business of the analysed company.

#### DUPLICATION

Dispatch or duplication of this document is not permitted without the prior written consent of First Berlin.

#### SEVERABILITY

Should any provision of this disclaimer prove to be illegal, invalid or unenforceable under the respectively applicable law, then such provision shall be treated as if it were not an integral component of this disclaimer; in no way shall it affect the legality, validity or enforceability of the remaining provisions.

### APPLICABLE LAW, PLACE OF JURISDICTION

The preparation of this financial analysis shall be subject to the law obtaining in the Federal Republic of Germany. The place of jurisdiction for any disputes shall be Berlin (Germany).

#### NOTICE OF DISCLAIMER

By taking note of this financial analysis the recipient confirms the binding nature of the above explanations.

By using this document or relying on it in any manner whatsoever the recipient accepts the above restrictions as binding for the recipient.

### **QUALIFIED INSTITUTIONAL INVESTORS**

First Berlin financial analyses are intended exclusively for qualified institutional investors.

This report is not intended for distribution in the USA and/or Canada.