

ad pepper media International N.V.

The Netherlands / Internet Services
Frankfurt
Bloomberg: APM GR
ISIN: NL0000238145

Profit warning

RATING PRICE TARGET

BUY € 7.10

Return Potential 44.3% Risk Rating Medium

Q4 RESULTS LOWER THAN EXPECTED

ad pepper has lowered Q4 guidance due to weaker than expected performance of the ad pepper media and Webgains segments. The group is now guiding for Q4 revenue of €7m (previous guidance: €8m) and Q4 EBITDA in the range of €0.6m - €0.8m (no previous guidance, Q4/20: €2.2m). For 2021, ad pepper is guiding for €27.4m in revenue (2020: €25.6m, +7% y/y) and EBITDA in the range of €4.2m - €4.4m 2020: €6.6m, 33% to -36% y/y). Q4 is usually the strongest quarter of the year due to the Christmas business when digital advertising reaches its annual peak, especially in the Webgains segment. But the dependence on the Christmas business also lowers visibility as Q4 revenue hinges on clients' digital ad spending in the five weeks before Christmas, especially the days around Black Friday and Cyber Monday. The shopping behaviour and thus the digital ad spending in this short period are difficult to predict. The previous Q4 guidance was given on 19 October 2021 and has now had to be adjusted. Despite this setback, we believe that the fundamental drivers (increasing share of online shopping & digital advertising) are intact. However, in Q4/21, the pandemic effect, which was very strong in Q4/20 due to severe lockdowns, was overall lower than expected. In 2021, ad pepper invested in personnel and regional expansion. This burdens margins, but lays the foundations for further growth. Given the weaker 2021 figures, we have lowered our forecasts for 2022 and the following years. Based on ad pepper's 2021 guidance, we now assume that the top line will grow by 10% and EBITDA by 28% y/y in 2022. An updated DCF model yields a new price target of €7.10 (previously: €8.10). We confirm our Buy recommendation.

(p.t.o.)

FINANCIAL HISTORY & PROJECTIONS

	2018	2019	2020	2021E	2022E	2023E
Revenue (€m)	20.27	21.79	25.62	27.41	30.16	33.17
Y-o-y growth	8.3%	7.5%	17.6%	7.0%	10.0%	10.0%
EBITDA (€m)	1.35	3.51	6.56	4.21	5.40	7.42
EBITDA margin	6.7%	16.1%	25.6%	15.4%	17.9%	22.4%
Net income (€m)	0.25	1.35	3.66	1.37	2.18	3.48
EPS (diluted) (€)	0.01	0.06	0.17	0.06	0.10	0.16
DPS (€)	0.00	0.00	0.00	0.00	0.00	0.00
FCF (€m)	-1.62	5.96	2.60	1.72	3.86	4.87
Net gearing	-116.4%	-134.4%	-115.0%	-113.0%	-116.5%	-117.3%
Liquid assets (€m)	18.23	25.23	24.33	25.48	28.75	33.03

RISKS

The main risks are regulatory changes, technological innovations, dependence on key customers, and intense competition.

COMPANY PROFILE

ad pepper media International N.V. is an international digital performance marketing company, which acts as a holding for its three operating units ad pepper media (lead generation & audience targeting), Webgains (affiliate network), and ad agents (full service agency). The company is headquartered in Nuremberg, Germany.

MARKET DATA	As of 13 Jan 2022
Closing Price	€ 4.92
Shares outstanding	20.66m
Market Capitalisation	€ 101.63m
52-week Range	€ 4.55 / 6.85
Avg. Volume (12 Months)	15.166

Multiples	2020	2021E	2022E
P/E	27.5	73.6	46.2
EV/Sales	3.1	2.9	2.7
EV/EBITDA	12.3	19.2	14.9
Div Yield	0.0%	0.0%	0.0%

STOCK OVERVIEW



COMPANY DATA	As of 30 Sep 2021
Liquid Assets	€ 22.13m
Current Assets	€ 39.76m
Intangible Assets	€ 0.67m
Total Assets	€ 43.26m
Current Liabilities	€ 21.67m
Shareholders' Equity	€ 20.95m
SHAREHOLDERS	
EMA B.V.	44.1%

EMA B.V. 44.1%
Euro Serve Media GmbH 2.6%
Treasury shares 4.8%
Free Float 48.5%



ad pepper media segment still suffering from loss of large client at the beginning of 2021 Although the ad pepper media segment has been gaining new clients, this could not compensate for the loss of a major client at the beginning of 2021. However, due to the base effect, this loss will be digested in Q1/22 as the lost client did not generate much revenue in Q1/21. We thus expect the segment to return to growth in 2022 (see figure 1).

Webgains' Christmas business weaker than expected In Q4/20, Webgains presented stellar results (segment revenue and EBITDA: €4.2m and €2.2m respectively), but the segment could not repeat this performance in Q4/21 (FBe segment revenue and EBITDA: €3.9m and €0.7m respectively). Especially in the UK, Webgains' main market, a very relaxed anti-pandemic policy resulted in customers returning to classical offline shopping channels, which led to lower digital ad spending. Investments in personnel (+15% at the end of Q3/21) and international expansion have burdened EBITDA. But these investments should pay off in 2022. We assume segment growth of 10% and an increasing EBITDA margin due to operating leverage (see figure 1).

ad agents has probably shown the best segment performance We expect the segment to have grown almost 16% in 2021. The increase in EBITDA is probably only small as newly hired personnel (+10% at the end of Q3/21) burdened margins, but the additional staff should pave the way for profitable growth in 2022 (see figure 1).

Figure 1: Segment forecasts for 2021 and 2022

Figures in €m	2020A	2021E	Delta	2022E	Δ22/21
ad pepper media					
Revenue	5.33	3.72	-30.2%	4.09	10.0%
EBITDA	1.87	0.67	-64.1%	0.98	46.6%
margin	35.0%	18.0%	-	24.0%	-
Webgains					
Revenue	13.22	15.53	17.5%	17.09	10.0%
EBITDA	4.70	3.57	-24.1%	4.30	20.4%
margin	35.6%	23.0%	-	25.2%	-
ad agents					
Revenue	7.06	8.16	15.5%	8.98	10.0%
EBITDA	1.50	1.55	3.5%	1.80	15.8%
margin	21.2%	19.0%	-	20.0%	-
Admin & Consolidation					
Revenue	0.00	0.00	-	0.00	-
EBITDA	-1.49	-1.58	-	-1.68	-
Intersegment elimination					
Revenue	0.00	0.00	-	0.00	-
EBITDA	-0.02	0.00	-	0.00	-
Group					
Revenue	25.62	27.41	7.0%	30.16	10.0%
EBITDA	6.56	4.21	-35.8%	5.40	28.3%
margin	25.6%	15.4%	-	17.9%	-

Source: First Berlin Equity Research, ad pepper media International N.V.



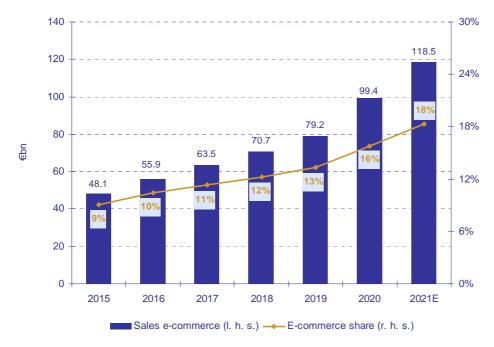
Forecasts revised Given the lowered 2021 guidance, we have dialled back our forecasts for 2021 and the coming years (see figure 2). But we continue to see ad pepper as a growth stock which will benefit from structural digitalisation drivers. According to the Institut der deutschen Wirtschaft (iW, German Economic Institute), German e-commerce sales increased by ca. 150% from €48bn in 2015 to €119bn in 2021E. The share of e-commerce sales in total retail sales doubled in the same period (see figure 3). It goes without saying that increasing e-commerce goes hand in hand with growing digital ad spending.

Figure 2: Revisions to forecasts

		2021E			2022E			2023E	
All figures in €m	Old	New	Delta	Old	New	Delta	Old	New	Delta
Revenue	28.24	27.41	-2.9%	31.38	30.16	-3.9%	34.52	33.17	-3.9%
EBITDA	5.59	4.21	-24.7%	7.52	5.40	-28.2%	8.89	7.42	-16.5%
margin	19.8%	15.4%		24.0%	17.9%		25.8%	22.4%	
Net income	2.34	1.37	-41.6%	3.66	2.18	-40.4%	4.49	3.48	-22.5%
margin	8.3%	5.0%		11.6%	7.2%		13.0%	10.5%	
EPS (diluted)	0.11	0.06	-40.9%	0.17	0.10	-39.6%	0.21	0.16	-21.6%

Source: First Berlin Equity Research

Figure 3: E-Commerce sales and e-commerce retail share in Germany 2015-2021E



Source: First Berlin Equity Research, Institut der deutschen Wirtschaft

Further newsflow in February We expect ad pepper to publish unaudited 2021 figures in early February 2022. The 2021 annual report will be published on 29 March 2022.

Buy reiterated at lower price target We have lowered our terminal EBIT margin assumption from 24.5% to 23% and have increased our WACC estimate from 8.6% to 9.1% to reflect more cautious margin assumptions and the lower quality of earnings. Based on our revised forecasts, an updated DCF model yields a new price target of €7.10 (previously: €8.10). We confirm our Buy recommendation.



VALUATION MODEL

DCF valuation model								
All figures in EUR '000	2021E	2022E	2023E	2024E	2025E	2026E	2027E	2028E
Net revenue	27,413	30,155	33,170	36,321	39,771	43,539	47,632	52,034
NOPLAT	2,180	2,950	4,344	5,495	6,090	6,748	7,472	8,260
+ depreciation & amortisation	1,166	1,205	1,246	1,216	1,284	1,339	1,389	1,436
Net operating cash flow	3,346	4,155	5,590	6,710	7,374	8,087	8,861	9,696
- total investments (CAPEX and WC)	-1,516	-326	-749	-547	-886	-942	-1,000	-1,060
Capital expenditures	-630	-694	-763	-835	-882	-930	-979	-1,026
Working capital	-886	368	14	289	-4	-12	-22	-34
Free cash flows (FCF)	1,830	3,829	4,841	6,164	6,488	7,146	7,860	8,636
PV of FCF's	1,830	3,521	4,080	4,761	4,593	4,637	4,675	4,707

All figures in thousands	
PV of FCFs in explicit period (2021E-2035E)	64,790
PV of FCFs in terminal period	59,952
Enterprise value (EV)	124,742
+ Net cash / - net debt	22,680
+ Investments / minority interests	2,169
Shareholder value	149,591
Number of shares (diluted)	21,162
Fair value per share in FLIP	7.07

Terminal growth	2.0%
Terminal EBIT margin	23.0%

WACC	9.1%
Cost of equity	9.1%
Pre-tax cost of debt	4.0%
Tax rate	25.0%
After-tax cost of debt	3.0%
Share of equity capital	100.0%
Share of debt capital	0.0%
Price target in EUR	7.10

			Terminal g	growth rate			
	0.5%	1.0%	1.5%	2.0%	2.5%	3.0%	3.5%
5.1%	12.37	13.33	14.56	16.18	18.43	21.76	27.16
6.1%	10.08	10.65	11.34	12.20	13.30	14.75	16.77
7.1%	8.50	8.86	9.29	9.80	10.42	11.19	12.17
8.1%	7.36	7.60	7.88	8.20	8.58	9.04	9.59
9.1%	6.49	6.66	6.85	7.07	7.32	7.61	7.95
10.1%	5.82	5.94	6.07	6.23	6.40	6.59	6.81
11.1%	5.28	5.37	5.47	5.58	5.70	5.83	5.98
12.1%	4.84	4.91	4.98	5.06	5.15	5.25	5.35

 $^{^{\}star}$ for layout purposes the model shows numbers only to 2028, but runs until 2035



INCOME STATEMENT

All figures in EUR '000	2017A	2018A	2019A	2020A	2021E	2022E	2023E
Gross sales	75,563	82,653	83,774	101,344	113,413	124,757	137,231
Media costs	56,839	62,381	61,987	75,729	86,000	94,602	104,061
Revenues	18,724	20,272	21,787	25,615	27,413	30,155	33,170
Cost of sales	376	726	820	928	1,047	1,225	1,314
Gross profit	18,348	19,546	20,967	24,687	26,366	28,930	31,856
S&M	10,771	12,621	12,225	13,411	15,784	16,651	17,382
G&A	6,087	5,925	6,853	7,108	7,646	8,111	8,422
Other operating income	723	494	943	1,514	509	602	754
Other operating expenses	396	467	313	234	400	573	630
EBITDA	2,209	1,354	3,512	6,559	4,211	5,402	7,422
Depreciation and amortisation	391	327	993	1,111	1,166	1,205	1,246
Operating income (EBIT)	1,818	1,027	2,519	5,448	3,045	4,197	6,176
Net financial result	-17	-190	-209	-116	-113	30	33
Non-operating expenses	0	0	0	0	0	0	0
Pre-tax income (EBT)	1,801	837	2,310	5,332	2,932	4,227	6,209
Income taxes	664	302	390	991	865	1,247	1,832
Minority interests	-556	-288	-568	-677	-700	-800	-900
Net income / loss	581	247	1,352	3,664	1,367	2,180	3,477
Diluted EPS (in €)	0.03	0.01	0.06	0.17	0.06	0.10	0.16
Ratios							
Gross margin in % of gross sales	24.3%	23.6%	25.0%	24.4%	23.2%	23.2%	23.2%
Gross margin in % of revenues	98.0%	96.4%	96.2%	96.4%	96.2%	95.9%	96.0%
EBITDA margin in % of revenues	11.8%	6.7%	16.1%	25.6%	15.4%	17.9%	22.4%
EBIT margin	9.7%	5.1%	11.6%	21.3%	11.1%	13.9%	18.6%
Net margin	3.1%	1.2%	6.2%	14.3%	5.0%	7.2%	10.5%
Tax rate	36.9%	36.1%	16.9%	18.6%	29.5%	29.5%	29.5%
Expenses as % of sales or revenues							
Media costs (as % of gross sales)	75.2%	75.5%	74.0%	74.7%	75.8%	75.8%	75.8%
S&M (as % of revenues)	57.5%	62.3%	56.1%	52.4%	57.6%	55.2%	52.4%
G&A (as % of revenues)	32.5%	29.2%	31.5%	27.7%	27.9%	26.9%	25.4%
Depreciation and amortisation	2.1%	1.6%	4.6%	4.3%	4.3%	4.0%	3.8%
Other operating expenses	2.1%	2.3%	1.4%	0.9%	1.5%	1.9%	1.9%
Y-Y Growth							
Gross sales	23.5%	9.4%	1.4%	21.0%	11.9%	10.0%	10.0%
Net revenues	n.a.	8.3%	7.5%	17.6%	7.0%	10.0%	10.0%
Operating income	13.0%	-43.5%	145.3%	116.3%	-44.1%	37.8%	47.2%
Net income/ loss	-7.7%	-57.5%	447.4%	171.0%	-62.7%	59.5%	59.5%



BALANCE SHEET

Cash and cash equivalents 20,127 18,233 25,229 24,330 25,476 28,749 33,035 Short-term investments 27 55 47 29 29 29 29 29 29 29 29 29 29 29 29 29 29 29 29 29 29 20 20 0	All figures in EUR '000	2017A	2018A	2019A	2020A	2021E	2022E	2023E
Cash and cash equivalents 20,127 18,233 25,229 24,330 25,476 28,749 33,035 Short-term investments 27 55 47 29 29 29 29 29 29 29 29 29 29 29 29 29 29 29 29 29 29 20 20 0	<u>Assets</u>							
Short-term investments 27 55 47 29 29 29 Receivables 14,129 17,629 14,897 19,727 19,527 20,684 2,810 Inventories 0 <td>Current assets, total</td> <td>34,896</td> <td>36,346</td> <td>40,731</td> <td>44,718</td> <td>45,664</td> <td>50,064</td> <td>55,506</td>	Current assets, total	34,896	36,346	40,731	44,718	45,664	50,064	55,506
Receivables	Cash and cash equivalents	20,127	18,233	25,229	24,330	25,476	28,749	33,035
Inventories	Short-term investments	27	55	47	29	29	29	29
Other current assets 613 429 558 632 632 632 632 Non-current assets, total 3,719 3,264 3,321 4,123 4,158 4,234 4,334 Property, plant & equipment 424 330 331 412 432 462 502 Goodwill & other intangibles 362 218 359 737 752 798 864 Right-Or-use assets 0 0 2,129 1,568 5,588 59,845	Receivables	14,129	17,629	14,897	19,727	19,527	20,654	21,810
Non-current assets, total 3,719 3,264 3,321 4,123 4,158 4,234 4,339 Properly, plant & equipment 424 330 391 412 432 462 502 Goodwill & Other intangibles 362 218 359 737 752 798 864 Right-of-use assets 0 0 2,129 1,568 1,568 1,568 Financial assets 2,933 2,716 442 1,406 1,406 1,406 Other assets 38,615 39,610 44,052 48,841 49,823 54,298 59,845 Shareholders' equity & debt 50 22,560 24,299 26,761 25,675 27,170 28,341 Short-term debt 0	Inventories	0	0	0	0	0	0	0
Property, plant & equipment 424 330 391 412 432 462 502 Goodwill & other intangibles 362 218 399 737 752 798 884 Right-of-use assets 0 0 2,129 1,568 1,568 1,568 1,568 1,568 1,568 1,568 1,568 1,668<	Other current assets	613	429	558	632	632	632	632
Goodwill & other intangibles 362 218 359 737 752 798 864 Right-of-use assets 0 0 2,129 1,568 1,406 1,407 2,570 2,571 2,571 2,571 2,571 2,571 2,571 2,571	Non-current assets, total	3,719	3,264	3,321	4,123	4,158	4,234	4,339
Right-of-use assets 0 2,129 1,568 1,406 1,407 2,528 5,280 5,280 2,2114 2,2318 2,2018 2,2018 2,2018 2,2018 2,2018 2,2018 2,2018 2,2018 2,2018 2,2018 2,2114 2,2114 2,2114	Property, plant & equipment	424	330	391	412	432	462	502
Financial assets 2,933 2,716 442 1,406 1,406 1,406 1,406 1,406 1,406 One of the assets 0	Goodwill & other intangibles	362	218	359	737	752	798	864
Other assets 0	Right-of-use assets	0	0	2,129	1,568	1,568	1,568	1,568
Total assets 38,615 39,610 44,052 48,841 49,823 54,298 59,845 Shareholders' equity & debt Current liabilities, total 21,696 22,560 24,299 26,761 25,675 27,170 28,341 Short-term debt 0	Financial assets	2,933	2,716	442	1,406	1,406	1,406	1,406
Shareholders' equity & debt Current liabilities, total 21,696 22,560 24,299 26,761 25,675 27,170 28,341 Short-term debt 0	Other assets	0	0	0	0	0	0	0
Current liabilities, total 21,696 22,560 24,299 26,761 25,675 27,170 28,341 Short-term debt 0	Total assets	38,615	39,610	44,052	48,841	49,823	54,298	59,845
Short-term debt 0	Shareholders' equity & debt							
Accounts payable 17,838 18,967 18,593 20,738 19,652 21,147 22,318 Current provisions 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Current liabilities, total	21,696	22,560	24,299	26,761	25,675	27,170	28,341
Current provisions 0 5,280 7,43 742 1242 1242 1242	Short-term debt	0	0	0	0	0	0	0
Other current liabilities 3,858 3,593 4,907 5,280 5,280 5,280 Lease liabilities 0 0 799 743 743 743 743 Long-term liabilities, total 402 538 1,713 1,242	Accounts payable	17,838	18,967	18,593	20,738	19,652	21,147	22,318
Lease liabilities 0 0 799 743 743 743 743 743 743 743 1,242 2,28	Current provisions	0	0	0	0	0	0	0
Long-term liabilities, total 402 538 1,713 1,242 1,242 1,242 1,242 Long-term debt 0 289	Other current liabilities	3,858	3,593	4,907	5,280	5,280	5,280	5,280
Long-term debt 0 0 0 0 0 0 0 Lease liabilities 0 0 1,447 953 953 953 953 Other liabilities 402 538 266 289 289 289 289 Minority interests 779 853 935 1,157 1,857 2,657 3,557 Shareholders' equity 15,738 15,659 17,105 19,681 21,048 23,228 26,706 Share capital 1,150 1,150 1,075<	Lease liabilities	0	0	799	743	743	743	743
Lease liabilities 0 0 1,447 953 953 953 953 Other liabilities 402 538 266 289 289 289 289 Minority interests 779 853 953 1,157 1,857 2,657 3,557 Shareholders' equity 15,738 15,659 17,105 19,681 21,048 23,228 26,706 Share capital 1,150 1,150 1,075<	Long-term liabilities, total	402	538	1,713	1,242	1,242	1,242	1,242
Minority interests 779 853 935 1,157 1,857 2,657 3,557 Shareholders' equity 15,738 15,659 17,105 19,681 21,048 23,228 26,706 Share capital 1,150 1,150 1,075 2,176 24,182	Long-term debt	0	0	0	0	0	0	0
Minority interests 779 853 935 1,157 1,857 2,657 3,557 Shareholders' equity 15,738 15,659 17,105 19,681 21,048 23,228 26,706 Share capital 1,150 1,150 1,075 2,176 43,809 -41,629	Lease liabilities	0	0	1,447	953	953	953	953
Shareholders' equity 15,738 15,659 17,105 19,681 21,048 23,228 26,706 Share capital 1,150 1,150 1,075 2,182 63,782 63,782	Other liabilities	402	538	266	289	289	289	289
Share capital 1,150 1,150 1,075	Minority interests	779	853	935	1,157	1,857	2,657	3,557
Capital reserve 61,312 60,999 63,782 72,88 72,88 72,88	Shareholders' equity	15,738	15,659	17,105	19,681	21,048	23,228	26,706
Other reserves -1,683 -1,208 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <th< td=""><td>Share capital</td><td>1,150</td><td>1,150</td><td>1,075</td><td>1,075</td><td>1,075</td><td>1,075</td><td>1,075</td></th<>	Share capital	1,150	1,150	1,075	1,075	1,075	1,075	1,075
Loss carryforward / retained earnings -45,041 -45,281 -47,752 -45,176 -43,809 -41,629 -38,151 Total consolidated equity and debt 38,615 39,610 44,052 48,841 49,823 54,298 59,845 Ratios Current ratio (x) 1.61 1.61 1.68 1.67 1.78 1.84 1.96 Quick ratio (x) 1.61 1.61 1.68 1.67 1.78 1.84 1.96 Net debt -20,127 -18,233 -22,983 -22,634 -23,780 -27,053 -31,339 Net gearing -127.9% -116.4% -134.4% -115.0% -113.0% -116.5% -117.3% Equity ratio 42.8% 41.7% 41.0% 42.7% 46.0% 47.7% 50.6% Book value per share (in €) 0.74 0.74 0.81 0.93 0.98 1.10 1.26 Return on equity (ROE) 3.7% 1.6% 7.9% 18.6% 6.5% 9.4% 13.0% Return on investment (ROI) 1.5% 0.6% 3.1% 7.5% 2.7% 4.0% 5.8%	Capital reserve	61,312	60,999	63,782	63,782	63,782	63,782	63,782
Ratios Current ratio (x) 1.61 1.61 1.61 1.68 1.67 1.78 1.84 1.96 Quick ratio (x) 1.61 1.61 1.68 1.67 1.78 1.84 1.96 Net debt -20,127 -18,233 -22,983 -22,634 -23,780 -27,053 -31,339 Net gearing -127.9% -116.4% -134.4% -115.0% -113.0% -116.5% -117.3% Equity ratio 42.8% 41.7% 41.0% 42.7% 46.0% 47.7% 50.6% Book value per share (in €) 0.74 0.74 0.81 0.93 0.98 1.10 1.26 Return on equity (ROE) 3.7% 1.6% 7.9% 18.6% 6.5% 9.4% 13.0% Return on investment (ROI) 1.5% 0.6% 3.1% 7.5% 2.7% 4.0% 5.8%	Other reserves	-1,683	-1,208	0	0	0	0	0
Ratios Current ratio (x) 1.61 1.61 1.68 1.67 1.78 1.84 1.96 Quick ratio (x) 1.61 1.61 1.68 1.67 1.78 1.84 1.96 Net debt -20,127 -18,233 -22,983 -22,634 -23,780 -27,053 -31,339 Net gearing -127.9% -116.4% -134.4% -115.0% -113.0% -116.5% -117.3% Equity ratio 42.8% 41.7% 41.0% 42.7% 46.0% 47.7% 50.6% Book value per share (in €) 0.74 0.74 0.81 0.93 0.98 1.10 1.26 Return on equity (ROE) 3.7% 1.6% 7.9% 18.6% 6.5% 9.4% 13.0% Return on investment (ROI) 1.5% 0.6% 3.1% 7.5% 2.7% 4.0% 5.8%	Loss carryforward / retained earnings	-45,041	-45,281	-47,752	-45,176	-43,809	-41,629	-38,151
Current ratio (x) 1.61 1.61 1.68 1.67 1.78 1.84 1.96 Quick ratio (x) 1.61 1.61 1.68 1.67 1.78 1.84 1.96 Net debt -20,127 -18,233 -22,983 -22,634 -23,780 -27,053 -31,339 Net gearing -127.9% -116.4% -134.4% -115.0% -113.0% -116.5% -117.3% Equity ratio 42.8% 41.7% 41.0% 42.7% 46.0% 47.7% 50.6% Book value per share (in €) 0.74 0.74 0.81 0.93 0.98 1.10 1.26 Return on equity (ROE) 3.7% 1.6% 7.9% 18.6% 6.5% 9.4% 13.0% Return on investment (ROI) 1.5% 0.6% 3.1% 7.5% 2.7% 4.0% 5.8%	Total consolidated equity and debt	38,615	39,610	44,052	48,841	49,823	54,298	59,845
Current ratio (x) 1.61 1.61 1.68 1.67 1.78 1.84 1.96 Quick ratio (x) 1.61 1.61 1.68 1.67 1.78 1.84 1.96 Net debt -20,127 -18,233 -22,983 -22,634 -23,780 -27,053 -31,339 Net gearing -127.9% -116.4% -134.4% -115.0% -113.0% -116.5% -117.3% Equity ratio 42.8% 41.7% 41.0% 42.7% 46.0% 47.7% 50.6% Book value per share (in €) 0.74 0.74 0.81 0.93 0.98 1.10 1.26 Return on equity (ROE) 3.7% 1.6% 7.9% 18.6% 6.5% 9.4% 13.0% Return on investment (ROI) 1.5% 0.6% 3.1% 7.5% 2.7% 4.0% 5.8%	Ratios							
Quick ratio (x) 1.61 1.61 1.68 1.67 1.78 1.84 1.96 Net debt -20,127 -18,233 -22,983 -22,634 -23,780 -27,053 -31,339 Net gearing -127.9% -116.4% -134.4% -115.0% -113.0% -116.5% -117.3% Equity ratio 42.8% 41.7% 41.0% 42.7% 46.0% 47.7% 50.6% Book value per share (in €) 0.74 0.74 0.81 0.93 0.98 1.10 1.26 Return on equity (ROE) 3.7% 1.6% 7.9% 18.6% 6.5% 9.4% 13.0% Return on investment (ROI) 1.5% 0.6% 3.1% 7.5% 2.7% 4.0% 5.8%		1.61	1.61	1.68	1.67	1.78	1.84	1.96
Net debt -20,127 -18,233 -22,983 -22,634 -23,780 -27,053 -31,339 Net gearing -127.9% -116.4% -134.4% -115.0% -113.0% -116.5% -117.3% Equity ratio 42.8% 41.7% 41.0% 42.7% 46.0% 47.7% 50.6% Book value per share (in €) 0.74 0.74 0.81 0.93 0.98 1.10 1.26 Return on equity (ROE) 3.7% 1.6% 7.9% 18.6% 6.5% 9.4% 13.0% Return on investment (ROI) 1.5% 0.6% 3.1% 7.5% 2.7% 4.0% 5.8%	Quick ratio (x)							1.96
Net gearing -127.9% -116.4% -134.4% -115.0% -113.0% -116.5% -117.3% Equity ratio 42.8% 41.7% 41.0% 42.7% 46.0% 47.7% 50.6% Book value per share (in €) 0.74 0.74 0.81 0.93 0.98 1.10 1.26 Return on equity (ROE) 3.7% 1.6% 7.9% 18.6% 6.5% 9.4% 13.0% Return on investment (ROI) 1.5% 0.6% 3.1% 7.5% 2.7% 4.0% 5.8%	Net debt			-22,983				-31,339
Book value per share (in €) 0.74 0.74 0.81 0.93 0.98 1.10 1.26 Return on equity (ROE) 3.7% 1.6% 7.9% 18.6% 6.5% 9.4% 13.0% Return on investment (ROI) 1.5% 0.6% 3.1% 7.5% 2.7% 4.0% 5.8%	Net gearing	-127.9%		-134.4%	-115.0%		-116.5%	-117.3%
Return on equity (ROE) 3.7% 1.6% 7.9% 18.6% 6.5% 9.4% 13.0% Return on investment (ROI) 1.5% 0.6% 3.1% 7.5% 2.7% 4.0% 5.8%	Equity ratio	42.8%	41.7%	41.0%	42.7%	46.0%	47.7%	50.6%
Return on investment (ROI) 1.5% 0.6% 3.1% 7.5% 2.7% 4.0% 5.8%	Book value per share (in €)	0.74	0.74	0.81	0.93	0.98	1.10	1.26
	Return on equity (ROE)	3.7%	1.6%	7.9%	18.6%	6.5%	9.4%	13.0%
Return on assets (ROA) 1.5% 0.6% 3.1% 7.5% 2.7% 4.0% 5.8%	Return on investment (ROI)	1.5%	0.6%	3.1%	7.5%	2.7%	4.0%	5.8%
	Return on assets (ROA)	1.5%	0.6%	3.1%	7.5%	2.7%	4.0%	5.8%



CASH FLOW STATEMENT

All figures in EUR '000	2017A	2018A	2019A	2020A	2021E	2022E	2023E
EBIT	1,818	1,027	2,519	5,448	3,045	4,197	6,176
Depreciation and amortisation	391	327	993	1,111	1,166	1,205	1,246
EBITDA	2,209	1,354	3,512	6,559	4,211	5,402	7,422
Changes in working capital	3,095	-2,192	4,352	-1,527	-886	368	14
Other adjustments	-2,203	-684	-1,382	-1,650	-978	-1,217	-1,799
Operating cash flow	3,101	-1,522	6,482	3,382	2,348	4,553	5,637
Investments in PP&E	-378	-51	-221	-238	-247	-271	-299
Investments in intangibles	-55	-44	-303	-549	-384	-422	-464
Free cash flow	2,667	-1,617	5,958	2,595	1,717	3,860	4,874
Acquisitions & disposals, net	3	66	8	10	0	0	0
Other investments	0	-35	2,152	-994	0	0	0
Investment cash flow	-431	-64	1,636	-1,771	-630	-694	-763
Debt financing, net	0	0	0	0	0	0	0
Equity financing, net	105	0	0	-978	0	0	0
Dividends paid	0	0	0	0	0	0	0
Other financing	-467	-296	-1,173	-1,300	-571	-587	-588
Financing cash flow	-362	-296	-1,173	-2,278	-571	-587	-588
FOREX & other effects	-39	-12	51	-232	0	0	0
Net cash flows	2,269	-1,894	6,996	-899	1,146	3,272	4,286
Cash, start of the year	17,859	20,127	18,233	25,229	24,330	25,476	28,749
Cash, end of the year	20,128	18,233	25,229	24,330	25,476	28,749	33,035
EBITDA/share (in €)	0.10	0.06	0.17	0.31	0.20	0.26	0.35
Y-Y Growth							
Operating cash flow	13381.7%	n.m.	n.m.	-47.8%	-30.6%	94.0%	23.8%
Free cash flow	n.m.	n.m.	n.m.	-56.4%	-33.8%	124.8%	26.3%
EBITDA/share	26.3%	-39.0%	161.0%	87.1%	-36.6%	29.7%	37.4%



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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 14 January 2022 at 10:28

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

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

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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 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.

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Report No.:	Date of publication	Previous day closing price	Recommendation	Price target
Initial Report	9 January 2018	€4.06	Add	€4.30
226	↓	↓	↓	↓
27	9 February 2021	€6.05	Buy	€7.60
28	7 April 2021	€6.28	Buy	€8.30
29	21 April 2021	€6.56	Buy	€8.40
30	25 May 2021	€5.82	Buy	€8.40
31	19 July 2021	€5.52	Buy	€8.40
32	25 August 2021	€5.72	Buy	€8.40
33	21 October 2021	€5.84	Buy	€8.10
34	22 November 2021	€4.88	Buy	€8.10
35	Today	€4.92	Buy	€7.10



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

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