# **Media and Games Invest SE**

Malta / Entertainment Xetra & Nasdaq First North Premier Bloomberg: M8G GR ISIN: MT0000580101

H1 Update

BUY
€ 8.00
51.1%
High

# SEPARATING FROM THE VIDEO GAME PACK

Second quarter reporting featured organic sales growth north of 35% for the second consecutive quarter. This helped spur a 72% rise in the overall Q2 topline to  $\in$ 57m, which matched FBe ( $\in$ 57m). Earnings grew at an even stronger clip led by EBITDA (+130% Y/Y) and adj. EBIT (+162%). Full content and M&A pipelines suggest this performance is still in the early stages. Management confirmed guidance (sales:  $\in$ 234m to  $\in$ 254m; EBITDA  $\in$ 65m to  $\in$ 70m), and we stick to our recently upgraded forecasts. Our price target remains  $\in$ 8, and we reiterate our Buy rating.

**Separating from the video game pack** MGI shares tumbled last week when Swedish peer, Stillfront, reported second quarter organic sales growth (OSG) of -17% and missed the street's profitability targets. MGI's OSG topped 36% in Q2, despite the high Q2/20 hurdle that benefited from stay-at-home effects during last year's pandemic lockdowns. Profitability also moved higher with strong margin upticks through to the bottom line. In our view, this performance demonstrates the strength of MGI's business model that combines an integrated video game portfolio with an in-house adverting ecosystem and separates the company from peers like Stillfront.

**More growth in the works** Although OSG tracked north of 35% the last two quarters, management noted at its Capital Markets presentation that this high level should not considered the bar going forward. Nevertheless, a full content pipeline looks promising for continued internal growth. Meanwhile, the M&A pipeline contains a number of late-stage candidates (3x gaming; 2x media) with revenue potential of up to €188m and also suggests that MGI is in the early phase of its strong expansion. We consider our forecasts conservative at the low end of 2021 guidance and see scope for a re-rating with continued business momentum through Q3. Our DCF model is driven by a three year sales CAGR of 40% to 2023 and a same period CAGR of 62% at the EBITDA level. (p.t.o.)

# **FINANCIAL HISTORY & PROJECTIONS**

	2018	2019	2020	2021E	2022E	2023E
Revenue (€m)	32.62	83.89	140.22	234.15	305.09	381.36
Y-o-y growth	n.a.	157.2%	67.1%	67.0%	30.3%	25.0%
EBITDA (€m)	8.65	15.54	26.55	66.25	92.23	112.92
EBITDA margin	26.5%	18.5%	18.9%	28.3%	30.2%	29.6%
Net income* (€m)	4.32	-0.32	3.06	24.75	33.97	44.79
EPS* (diluted) (€)	0.10	-0.01	0.03	0.17	0.23	0.30
DPS (€)	0.00	0.00	0.00	0.00	0.00	0.00
FCF (€m)	-7.17	3.13	-12.50	-172.24	5.96	52.06
Net gearing	24.0%	22.4%	34.8%	55.8%	53.6%	40.3%
Liquid assets (€m)	4.45	32.98	46.25	163.92	157.26	186.71

\* Adjusted for PPA-amortisation

## **RISKS**

Risks include but are not limited to: revenue diversity, financing, technology, and regulatory risks.

## **COMPANY PROFILE**

Media and Games Invest SE (MGI) is a digital integrated video game and media company that combines organic growth with valueaccretive and synergetic acquisitions. The company's Gaming and Media segments generate nearly equal revenues.

MARKET DA	ГА	As of 20	Aug 2021			
<b>Closing Price</b>			€ 5.30			
Shares outstand	ding		149.70m			
Market Capitalis	sation	€	792.66m			
52-week Range		€ 1.26 / 6.69				
Avg. Volume (1	2 Months)		186,274			
Multiples	2020	2021E	2022E			
P/E	164.5	30.4	23.3			
EV/Sales	6.0	3.6	2.7			
EV/EBITDA	31.5	12.6	9.1			
Div. Yield	0.0%	0.0%	0.0%			

# **STOCK OVERVIEW**



COMPANY DATA	As of 30 Jun 2021
Liquid Assets	€ 246.10m
Current Assets	€ 301.40m
Intangible Assets	€ 437.53m
Total Assets	€ 762.60m
Current Liabilities	€ 109.80m
Shareholders' Equity	€ 292.90m
SHAREHOLDERS	
Bodhivas GmbH	32.3%
Oaktree Capital Mngt	9.1%
Janus Henderson	3.1%
Free Float	55.5%

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Table 1: Second	quarter vs pric	or year and	FBe					
EURm	Q2/21	Q2/21E	Variance	Q2/20	Variance	H1/21	H1/20	Variance
Revenue	57	57	0%	30	90%	109	57	93%
EBITDA	15	15	-1%	6	130%	27	12	129%
Margin (%)	25.4%	25.5%	-	21.0%	-	24.4%	20.5%	-
AEBITDA	15	15	1%	7	128%	29	13	126%
Margin (%)	26.8%	26.5%	-	22.3%	-	26.3%	22.4%	-
AEBIT	11	11	1%	4	162%	20	8	168%
Margin	19.3%	19.0%	-	14.0%	-	18.7%	13.4%	-
Net income	3	4	-3%	0	n.a.	6	1	n.a.
Margin	6.0%	6.1%	-	1.3%	-	5.1%	0.9%	-

# **Q2 SHOWCASES ORGANIC SALES GROWTH**

#### 1.1 2

Source: First Berlin Equity Research; Media and Games Invest

Earnings more than doubled with improving margins Q2 further demonstrates MGI's ability to translate its corporate strategy into OSG (+36%). Considering the positive effects of the pandemic on prior year results, the KPI is particularly impressive. The strategy of extending MGI's value chain by combining Games and Media is clearly working.

Q2 earnings rose sharply on an annualised basis, and margins were up > 400 basis points across the board. EBITDA climbed some 130% to €12m and also increased 20% on a sequential basis. Adj. EBITDA was in line with our figure at €15.3m, while adj. EBIT, which excludes PPA (purchase price allocation) amortisation, was also in line with FBe at €11.1m On a six month basis AEBITDA climbed 126% Y/Y to €28.7m and AEBIT amounted to €20.4m (+168% Y/Y). Six month net income (NI) equalled €5.6m vs €0.5 in the prior year, while adj. NI totalled €10.8m (6M/20: €2.0m) equal to EPS of €0.08 (6M/20: €0.03).

EURm	Q2/21	Q1/20	Variance	H1/21	H1/20	Variance
Gaming segment						
Revenue	28.0	18.8	49%	55.4	32.7	69%
EBITDA	10.2	5.3	92%	19.6	9.8	100%
Margin (%)	36%	28%	-	35%	30%	-
AEBITDA	10.6	5.5	93%	21.4	10.5	104%
Margin (%)	38%	29%	-	39%	32%	-
Media segment						
Revenue	29.1	11.2	160%	53.6	23.8	125%
EBITDA	4.4	1.0	340%	7.0	1.8	289%
Margin	15%	9%	-	13%	8%	-
AEBITDA	4.7	1.2	292%	7.3	2.1	248%
Margin	16%	11%	-	14%	9%	-

## Table 1: Performance by segment

Source: First Berlin Equity Research; Media and Games Invest

Both segments contribute to performance Gaming contributed 49% to group sales, while Media accounted for the balance. The Media topline grew 160% Y/Y, thanks to strong organic growth from the mobile gaming advertising partnerships and the overall mediamarket tailwinds as covid-19 countermeasures ease. The segment EBITDA margin was up 5 percentage points on the back of internal growth and a stable cost basis.

Content updates, game launches, and the KingsIsle acquisition spurred a 49% Y/Y increase in Gaming sales, while segment EBITDA rose even stronger (+92%). The latter owes to: (1) the good topline performance; (2) constant fixed costs on existing games; and (3) a stronger share of IP owned gaming revenues—specifically KingsIsle.

# **Table 2: Financial highlights**

EUR '000	Q2/21	2020	Variance
Cash	246,097	46,254	432%
Liabilities (short- and long-term)	469,690	208,997	125%
Intangible assets	437,534	272,829	60%
Total assets	762,625	385,842	98%
Total equity	292,934	176,845	66%
Equity ratio	38%	46%	-

## Source: First Berlin Equity Research; Media and Games Invest

**Good financial flexibility for growth** Cash and cash equivalents totalled  $\in$ 246m providing excellent financial flexibility at the end of Q2. Net debt tallied  $\in$ 44m at the end of the period, while the interest coverage ratio (ICR) was reported at 4.3x (YE20: 4.1x). The equity ratio was steady Q/Q at 38% but down YTD on the Q1 KingsIsle transaction.

MGI continues to asses the market for non-equity financing options and wants to refinance its 7.0% German unsecured bond ( $\leq 25m$ ) through a subsequent bond issue of its senior secured bond of up to  $\leq 80m$ .

## Table 2: Cash flow overview

EUR '000	Q2/21	Q2/20	Variance
Operating cash flow	7,186	4,690	53%
Investing cash flow	-28,718	-3,600	<i>n.m</i> .
Financing cash flow	215,978	1,409	<i>n.m.</i>
Net cash flow	194,447	2,498	<i>n.m</i> .
Cash & cash equivalents	246,097	12,950	<i>n.m</i> .

Source: First Berlin Equity Research; Media and Games Invest

**Price unchanged at €8; Buy rating confirmed** Second quarter results confirm our positive views, and we leave our forecasts unchanged. Our DCF-model still yields fair value of  $\in$ 8 per share.

# **VALUATION MODEL**

2021E	2022E	2023E	2024E	2025E	2026E	2027E	2028E
234,145	305,091	381,364	446,196	490,816	515,357	535,971	552,050
24,691	36,911	47,749	59,649	72,057	80,945	87,883	94,533
29,668	37,543	42,179	47,819	44,993	39,682	35,910	31,467
54,359	74,454	89,928	107,468	117,049	120,628	123,793	126,000
-226,515	-64,129	-34,399	-40,247	-39,363	-41,332	-38,697	-33,233
-11,154	-10,886	-10,001	-9,832	-6,522	-3,224	-2,708	-2,112
-183,310	-562	45,527	57,390	71,164	76,072	82,388	90,655
-178,573	-508	38,243	44,765	51,546	51,166	51,457	52,577
	234,145 24,691 29,668 54,359 -226,515 -11,154 -183,310	234,145         305,091           24,691         36,911           29,668         37,543           54,359         74,454           -226,515         -64,129           -11,154         -10,886           -183,310         -562	234,145         305,091         381,364           24,691         36,911         47,749           29,668         37,543         42,179           54,359         74,454         89,928           -226,515         -64,129         -34,399           -11,154         -10,886         -10,001           -183,310         -562         45,527	234,145         305,091         381,364         446,196           24,691         36,911         47,749         59,649           29,668         37,543         42,179         47,819           54,359         74,454         89,928         107,468           -226,515         -64,129         -34,399         -40,247           -11,154         -10,886         -10,001         -9,832           -183,310         -562         45,527         57,390	234,145         305,091         381,364         446,196         490,816           24,691         36,911         47,749         59,649         72,057           29,668         37,543         42,179         47,819         44,993           54,359         74,454         89,928         107,468         117,049           -226,515         -64,129         -34,399         -40,247         -39,363           -11,154         -10,886         -10,001         -9,832         -6,522           -183,310         -562         45,527         57,390         71,164	234,145         305,091         381,364         446,196         490,816         515,357           24,691         36,911         47,749         59,649         72,057         80,945           29,668         37,543         42,179         47,819         44,993         39,682           54,359         74,454         89,928         107,468         117,049         120,628           -226,515         -64,129         -34,399         -40,247         -39,363         -41,332           -11,154         -10,886         -10,001         -9,832         -6,522         -3,224           -183,310         -562         45,527         57,390         71,164         76,072	234,145         305,091         381,364         446,196         490,816         515,357         535,971           24,691         36,911         47,749         59,649         72,057         80,945         87,883           29,668         37,543         42,179         47,819         44,993         39,682         35,910           54,359         74,454         89,928         107,468         117,049         120,628         123,793           -226,515         -64,129         -34,399         -40,247         -39,363         -41,332         -38,697           -11,154         -10,886         -10,001         -9,832         -6,522         -3,224         -2,708           -183,310         -562         45,527         57,390         71,164         76,072         82,388

						Terminal E	BIT margin			
All figures in thousands				23.3%	25.3%	27.3%	29.3%	31.3%	33.3%	35.3%
PV of FCFs in explicit period	223,674		4.7%	13.28	14.86	16.44	18.02	19.61	21.19	22.77
PV of FCFs in terminal period	930,048	Q	5.7%	9.78	10.88	11.98	13.08	14.19	15.29	16.39
Enterprise value (EV)	1,153,722	AC	6.7%	7.62	8.44	9.25	10.07	10.88	11.70	12.51
(+) Net cash / (-) net debt (pro-forma)	51,504	>	7.7%	6.17	6.79	7.42	8.04	8.67	9.30	9.92
(-) Non-controlling interests	-1,154		8.7%	5.11	5.61	6.10	6.60	7.09	7.58	8.08
Shareholder value	1,204,071		9.7%	4.32	4.71	5.11	5.51	5.91	6.31	6.71
Fair value per share (€)	8.00		10.7%	3.69	4.02	4.35	4.67	5.00	5.32	5.65

			Terminal growth rate								
				0.0%	0.5%	1.0%	1.5%	2.0%	2.5%	3.0%	
Cost of equity	9.5%		4.7%	12.85	14.16	15.83	18.02	21.03	25.41	32.38	
Pre-tax cost of debt	5.0%	Q.	5.7%	10.08	10.89	11.87	13.08	14.63	16.65	19.43	
Tax rate	32.5%	AC	6.7%	8.16	8.70	9.32	10.07	10.97	12.10	13.52	
After-tax cost of debt	3.4%	>	7.7%	6.76	7.13	7.55	8.04	8.62	9.31	10.15	
Share of equity capital	70.0%		8.7%	5.69	5.95	6.25	6.60	6.99	7.44	7.98	
Share of debt capital	30.0%		9.7%	4.85	5.05	5.27	5.51	5.79	6.10	6.47	
WACC	7.7%		10.7%	4.18	4.33	4.49	4.67	4.87	5.10	5.36	

\*Please note our model runs through 2030 and we have only shown the abbreviated version for formatting purposes

# **INCOME STATEMENT**

All figures in EUR '000	2018	2019	2020	2021E	2022E	2023E
Revenues	32,621	83,893	140,220	234,145	305,091	381,364
Capitalised work	2,791	10,187	15,994	16,000	17,440	18,661
Total output	35,412	94,080	156,214	250,145	322,531	400,025
Cost of goods sold	-12,699	-45,803	-77,620	-101,853	-125,087	-156,359
Gross profit	22,713	48,277	78,594	148,292	197,444	243,666
Personnel expenses	-10,438	-27,359	-39,573	-59,707	-74,747	-91,527
Other OpEx	-10,135	-10,012	-18,745	-27,161	-35,391	-44,238
Other operating income	6,506	4,636	6,272	4,823	4,919	5,018
EBITDA	8,646	15,542	26,549	66,247	92,225	112,918
Depreciation & amortisation	-6,318	-10,543	-15,508	-29,668	-37,543	-42,179
Operating income (EBIT)	2,328	4,999	11,041	36,579	54,682	70,739
Net financial result	-1,641	-5,758	-7,139	-13,201	-17,613	-17,613
Pre-tax income (EBT)	687	-759	3,901	23,378	37,070	53,126
Income taxes	895	2,012	-1,194	-7,598	-12,048	-17,266
Net income	1,582	1,253	2,707	15,780	25,022	35,860
Discontinued operations	3,673	0	0	0	0	0
Consolidated profit	5,255	1,253	2,707	15,780	25,022	35,860
Minority interests	-932	-1,577	352	-32	-50	-72
Net income to owners	4,323	-324	3,059	15,748	24,972	35,789
Diluted EPS (in €)	0.10	-0.01	0.03	0.11	0.17	0.24
Adj. EBIT (excl: PPA amor. & one-offs)	2,328	4,999	11,041	49,079	64,682	81,739
Ratios						
Gross margin on output	64.1%	51.3%	50.3%	59.3%	61.2%	60.9%
EBITDA margin on revenues	26.5%	18.5%	18.9%	28.3%	30.2%	29.6%
EBIT margin on revenues	7.1%	6.0%	7.9%	15.6%	17.9%	18.5%
Net margin on revenues	13.3%	-0.4%	2.2%	6.7%	8.2%	9.4%
Tax rate	n.a.	n.a.	30.6%	32.5%	32.5%	32.5%
Expenses as % of revenues						
Personnel expenses	32.0%	32.6%	28.2%	25.5%	24.5%	24.0%
Other OpEx	31.1%	11.9%	13.4%	11.6%	11.6%	11.6%
Depreciation & amortisation	19.4%	12.6%	11.1%	12.7%	12.3%	11.1%
Y-Y Growth						
Revenues	n.a	157.2%	67.1%	67.0%	30.3%	25.0%
EBTIDA	n.a	79.8%	70.8%	149.5%	39.2%	22.4%
Operating income	n.a	114.7%	120.9%	231.3%	49.5%	29.4%
				414.8%	58.6%	43.3%

# **BALANCE SHEET**

All figures in EUR '000	2018	2019	2020	2021E	2022E	2023
Assets						
Current assets, total	16,250	55,856	92,375	237,690	253,387	306,86
Cash and equivalents	4,447	32,984	46,254	163,918	157,262	186,70
Trade receivables	11,803	22,872	46,121	73,772	96,125	120,15
Non-current assets, total	220,043	256,593	293,467	590,639	617,556	610,11
Property, plant & equipment	4,189	3,521	1,742	1,789	1,850	1,92
Intangible assets	204,142	233,208	272,829	569,629	596,155	588,29
Deferred taxes	6,353	11,215	15,737	16,052	16,373	16,70
Long-term loans to investees	5,359	6,410	1,207	1,207	1,207	1,20
Other non-current assets	0	2,239	1,952	1,962	1,972	1,98
Total assets	236,293	312,449	385,842	828,328	870,943	916,97
Shareholders' equity & debt						
Current liabilities, total	24,358	54,544	78,205	158,333	170,441	185,1
Trade payables	9,366	20,274	30,037	46,534	58,001	72,0
Financial debt	3,595	6,772	6,087	6,087	6,087	6,0
Provisions	7,031	12,585	17,257	17,516	17,779	18,0
Other current liabilities	4,366	14,913	24,824	88,196	88,574	88,9
Long term liabilites, total	53,395	89,347	130,792	364,267	369,752	365,24
Long-term debt	14,100	8,369	11,671	11,671	16,671	11,6
Bonds	24,877	63,988	95,355	285,355	285,355	285,3
Other LT liabilities	0	0	0	43,000	43,000	43,0
Deferred tax liabilities	14,418	16,990	23,766	24,241	24,726	25,2
Shareholders' equity	158,540	168,558	176,845	305,728	330,750	366,6
Total consolidated equity and debt	236,293	312,449	385,842	828,328	870,943	916,97
Ratios						
Current ratio (x)	0.7	1.0	1.2	1.5	1.5	1
Net debt	38,125	37,776	61,599	170,524	177,180	147,7
ICR (x)	5.0	2.7	3.7	5.0	5.2	6
Net gearing	24%	22%	35%	56%	54%	40
Net debt / EBITDA (x)	4.4	2.4	2.3	2.6	1.9	1
Equity ratio	67%	54%	46%	37%	38%	40
Return on equity (ROE)	1.0%	0.7%	1.5%	5.2%	7.6%	9.8
Capital employed (CE)	211,935	257,905	307,637	669,995	700,502	731,8
Return on capital employed (ROCE)	1%	2%	4%	5%	8%	10

# **CASH FLOW STATEMENT**

All figures in EUR '000	2018	2019	2020	2021E	2022E	2023E
Net income	5,255	1,253	2,707	15,780	25,022	35,860
Depreciation and amortisation	6,318	10,543	15,508	29,668	37,543	42,179
Change in trade rec & other assets	-8,083	1,437	-4,334	-27,966	-22,674	-24,359
Change in payable & other liabilities	14,501	3,928	-209	17,604	12,592	15,175
Results from sale of subsidaries	-5,645	0	0	0	0	0
Other non-cash adjustments	-6,150	-5,752	4,072	0	0	0
Net interest expense	1,641	5,529	6,264	13,201	17,613	17,613
Tax result	-895	-822	1,194	7,598	12,048	17,266
Operating cash flow	6,942	16,116	25,202	55,885	82,144	103,734
Tax expense	0	0	0	-7,598	-12,048	-17,266
Interest income	1	83	0	0	0	0
Net operating cash flow	6,943	16,199	25,202	48,287	70,096	86,468
Payments for intangible assets	-11,042	-12,606	-17,380	0	0	0
Acquistion of subsidiaries	-3,919	-6,214	-22,930	-220,000	-63,458	-33,560
CapEx	0	0	0	-515	-671	-839
Deposits / payments for other assets	848	5,750	2,603	-10	-10	-10
Cash flow from investing	-14,113	-13,070	-37,707	-220,525	-64,139	-34,409
Free cash flow (FCF)	-7,170	3,129	-12,505	-172,237	5,957	52,059
Equity inflow, net	3,792	8,845	26,876	113,103	0	0
Debt inflow, net	-15,992	-12,011	-1,420	0	5,000	-5,000
Corporate debt, net	25,800	38,699	27,678	190,000	0	0
Interest paid	-2,014	-5,345	-6,018	-13,201	-17,613	-17,613
Payments for non-controlling interests	0	-5,000	-17,480	0	0	0
Other adjustments	-489	220	-3,862	0	0	0
Cash flow from financing	11,097	25,408	25,774	289,902	-12,613	-22,613
Net cash flows	3,927	28,537	13,269	117,664	-6,656	29,446
Fx adjustments	114	0	0	0	0	0
Cash, start of the year	406	4,447	32,984	46,254	163,918	157,262
Cash, end of the year	4,447	32,984	46,253	163,918	157,262	186,708
EBITDA/share (in €)	0.20	0.26	0.28	0.47	0.62	0.75
Y-Y Growth						
Operating cash flow	n.m.	133.3%	55.6%	91.6%	45.2%	23.4%
Free cash flow	n.m.	n.m.	n.m.	n.m.	n.m.	773.9%
EBITDA/share	n.m.	26.2%	8.5%	66.8%	32.3%	22.4%

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Amtsgericht Berlin Charlottenburg HR B 103329 B UST-Id.: 251601797 Ggf. Inhaltlich Verantwortlicher gem. § 6 MDStV First Berlin Equity Research GmbH

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The production of this recommendation was completed on 23 August 2021 at 11:39

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#### 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 Current market capitalisation (in €)			2 > 2 billion	
		0 - 2 billion		
Strong Buy <sup>1</sup>	An expected favourable price trend of:	> 50%	> 30%	
Buy	An expected favourable price trend of:	> 25%	> 15%	
Add	An expected favourable price trend of:	0% to 25%	0% to 15%	
Reduce	An expected negative price trend of:	0% to -15%	0% to -10%	
Sell	An expected negative price trend of:	< -15%	< -10%	

<sup>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  $\geq 0 - \leq 2$  billion, and Category 2 companies have a market capitalisation of  $> \leq 2$  billion. The expected return thresholds underlying our recommendation system are lower for Category 2 companies than for Category 1 companies. This reflects the generally lower level of risk associated with higher market capitalisation companies.

#### **RISK ASSESSMENT**

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

Report No.:	Date of publication	Previous day closing price	Recommendation	Price target
Initial Report	7 November 2019	€1.23	Buy	€2.10
28	Ļ	Ļ	Ļ	Ļ
9	1 October 2020	€1.30	Buy	€2.50
10	2 December 2020	€1.49	Buy	€2.80
11	19 January 2021	€2.76	Buy	€4.00
12	5 March 2021	€3.48	Buy	€5.30
13	27 April 2021	€4.80	Buy	€6.10
14	7 May 2021	€4.30	Buy	€5.80
15	2 July 2021	€5.26	Buy	€6.80
16	16 July 2021	€5.93	Buy	€8.00
17	Today	€5.30	Buy	€8.00

#### **INVESTMENT HORIZON**

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

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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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