(CDAX, Telecom/Internet, WSO1 GR)



Buy		Value Indicators: DCF:
EUR <b>25.00</b>	(EUR 24.80)	Market Snapshot:
		Market cap:
Price	EUR 18.10	No. of shares (m):
Price	EUR 10.10	EV:
Upside	38.1 %	Freefloat MC:
		Ø Trad. Vol. (30d):

Value Indicators:	EUR	Warburg ESG Risk Score:	2.9	Description:	
DCF:	25.09	ESG Score (MSCI based):	3.0	Operator of financial portals,	
		Balance Sheet Score:	4.8	including the largest German	
		Market Liquidity Score:	1.0	financial user forum	
Market Snapshot:	EUR m	Shareholders:		Key Figures (WRe):	2020e
Market cap:	260.32	Freefloat	37.3 %	Beta:	1.5
No. of shares (m):	14.38	Management Team	2.0 %	Price / Book:	8.1 x
EV:	261.10	André Kolbinger	60.7 %	Equity Ratio:	69 %
Freefloat MC:	97.05			Net Fin. Debt / EBITDA:	0.5 x
Ø Trad. Vol. (30d):	955.11 th			Net Debt / EBITDA:	0.5 x

## 2020 figures in line; 2021 guidance appears cautious

Stated Figures Q4/2020: wallstreet:online - Q4 2020											
in EUR m	2020	2020e	2019	yoy							
Sales	28.0	28.6	8.6	227.5%							
EBITDA margin	<b>4.3</b> 15.4%	7.6 26.6%	3.7 43.7%	15.0%							

#### Comment on Figures:

- 2020 sales in line with our assumptions
- EBITDA appears to be below our expectations at first sight but does not include an extraordinary profit from the sale of a Trade Republic Bank GmbH which amounted to EUR 2.7m and is included in our assumptions

Preliminary 2020 results reported by wallstreet:online AG (w:o) were in line with our assumptions. Sales came in at EUR 28m (WRe EUR 28.6m), which represents a rise of +227.5% yoy but it needs to be considered that 2019 figures were not consolidated and this only reflects the individual financial statement of w:o's advertising business without acquisitions. EBITDA came in at EUR 4.3m, which is below our assumption of EUR 7.6m, but taking the extraordinary net gains of EUR 2.7m from the sale of a Trade Republic share into account, the figure appears in line as well.

Besides the preliminary figures, the company provided guidance for 2021. It is aiming for 120k new customers, bringing the total to 200k by year-end, which should result in marketing expenses of EUR 12.5m and therefore customer acquisition costs of roughly EUR 100 per new customer. The target range for 2021 revenues is EUR 45-50m and EBITDA EUR 4-6m on a consolidated basis. However, we believe this guidance might be a bit too cautious for the following reasons:

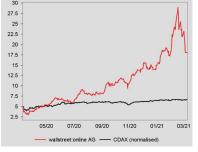
- The recent market volatility was not reflected in the new guidance. This should have resulted in significantly higher trading activity than normal, which would have a positive impact on the top line.
- The envisaged customer acquisition costs of EUR 100 per new customer appear rather high in light of the company's own marketing capabilities via the financial portal network. Lower customer acquisition costs would lead to a better EBITDA margin.

Assessment: The recent market developments should once again be supportive and, in light of this, the guidance appears rather cautious. Buy rating is reiterated and PT is raised just slightly to EUR 25 (24.80).

Changes in E	stimates:					
FY End: 31.12. in EUR m	2020e (old)	+/-	2021e (old)	+ / -	2022e (old)	+/-
Sales EBITDA EPS	28.60 7.58 0.32	0.0 % 0.0 % 0.0 %	53.66 9.23 0.44	-1.2 % -1.8 % -2.3 %	62.57 20.90 0.85	-1.6 % -11.7 % -9.4 %

#### Comment on Changes:

- Detail changes in estimates
- 2022e profitability lowered slightly as expectations for customer acquisition costs were increased

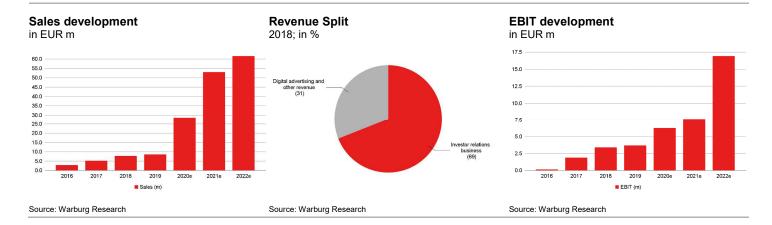


Rel. Performance vs CDAX:	
1 month:	-25.5 %
6 months:	78.9 %
Year to date:	16.5 %
Trailing 12 months:	233.7 %

Company events:

FY End: 31.12.	CAGR							
in EUR m	(19-22e)	2016	2017	2018	2019	2020e	2021e	2022e
Sales	93.1 %	2.83	5.19	7.77	8.55	28.60	53.01	61.56
Change Sales yoy		12.3 %	83.2 %	49.9 %	10.0 %	234.5 %	85.4 %	16.1 %
Gross profit margin		81.3 %	86.5 %	86.4 %	84.0 %	85.4 %	83.5 %	84.8 %
EBITDA	70.8 %	0.38	2.03	3.47	3.70	7.58	9.07	18.46
Margin		13.3 %	39.1 %	44.7 %	43.3 %	26.5 %	17.1 %	30.0 %
EBIT	66.2 %	0.14	1.89	3.40	3.69	6.27	7.65	16.93
Margin		5.1 %	36.4 %	43.8 %	43.1 %	21.9 %	14.4 %	27.5 %
Net income	80.0 %	0.14	1.78	3.23	1.90	4.60	6.24	11.07
EPS	-10.1 %	0.14	1.74	1.94	1.06	0.32	0.43	0.77
EPS adj.	-10.1 %	0.14	1.74	1.94	1.06	0.32	0.43	0.77
DPS	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dividend Yield		n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
FCFPS		0.31	0.99	1.97	-0.29	0.41	0.23	0.80
EV / Sales		n.a.	n.a.	n.a.	0.5 x	9.2 x	4.9 x	4.1 x
EV / EBITDA		n.a.	n.a.	n.a.	1.2 x	34.9 x	28.8 x	13.5 x
EV / EBIT		n.a.	n.a.	n.a.	1.2 x	42.2 x	34.2 x	14.7 x
P/E		3.7 x	1.2 x	2.7 x	4.7 x	56.6 x	42.1 x	23.5 x
P / E adj.		3.7 x	1.2 x	2.7 x	4.7 x	56.6 x	42.1 x	23.5 x
FCF Potential Yield		<b>-</b> 41.5 %	-150.1 %	-542.0 %	57.0 %	2.0 %	2.6 %	5.4 %
Net Debt		-1.43	-3.33	-9.26	-4.50	4.14	0.78	-10.68
ROE		8.3 %	91.9 %	30.3 %	8.2 %	15.6 %	18.0 %	25.7 %
ROCE (NOPAT)		32.4 %	n.a.	68.6 %	14.2 %	14.9 %	14.5 %	31.0 %
Guidance:	2021: Revenu	e EUR 45m	- 50m; EBIT	DA EUR 4m -	· 6m			



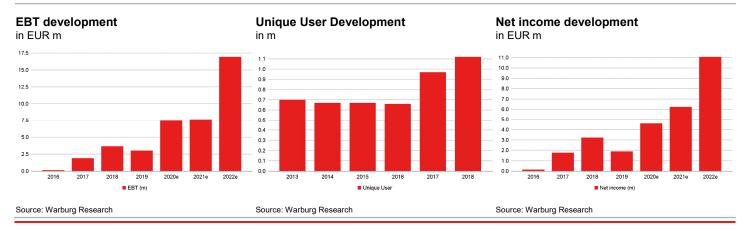


### **Company Background**

- The operation of the German financial information platforms www.wallstreet-online.de,www.boersennews.de, www.finanznachrichten.de and ariva.de forms the core business of the company.
- The financial user forum on www.wallstreet-online.de is the biggest in Germany with more than 460k active users and 1.1m articles on more than 80 topics.
- The newly established smartbroker enlarges the business in the direction of online discount brokerage services and represents a potentially significant growth driver for the future
- The users of the portals are very homogeneous and thus attractive for advertisers in terms of specific targeting.
- The company aims at further diversification along the value chain of financial services and capital markets to broaden the offering to the customer.

### **Competitive Quality**

- Strong number two in German financial portals after the acquisition of Ariva.de. Merger with boersennews.de strengthens mobile offering.
- Key differentiator is the large user forum, resulting in a high number of loyal users, who also generate new content.
- Homogeneous user structure makes advertisers' targeting more specific, resulting in comparably high prices for marketing space on the platform.
- Future diversification of revenue streams will reduce cyclicality and, to a certain extent, decouple the company's revenues from capital market developments.





DCF model														
	Detaile	d forecas	t period				Т	ransition	al period					Term. Value
Figures in EUR m	2020e	2021e	2022e	2023e	2024e	2025e	2026e	2027e	2028e	2029e	2030e	2031e	2032e	
Sales Sales change	28.60 234.5 %	53.01 <i>85.4</i> %	61.56 16.1 %	70.80 15.0 %	80.00 13.0 %	88.80 11.0 %	96.80 9.0 %	103.57 7.0 %	109.79 6.0 %	115.28 5.0 %	120.46 <i>4.5</i> %	123.47 2.5 %	126.56 2.5 %	2.0 %
· ·	' ' ' '													2.0 %
EBIT EBIT-margin	6.27 21.9 %	7.65 14.4 %	16.93 27.5 %	24.78 35.0 %	32.00 40.0 %	39.96 45.0 %	43.56 45.0 %	46.61 45.0 %	49.40 45.0 %	51.87 <i>45.0</i> %	54.21 <i>45.0</i> %	55.56 45.0 %	56.95 45.0 %	
Tax rate (EBT)	30.0 %	30.0 %	30.0 %	30.0 %	32.0 %	32.0 %	32.0 %	32.0 %	32.0 %	32.0 %	32.0 %	32.0 %	32.0 %	
NOPAT	4.39	5.35	11.85	17.35	21.76	27.17	29.62	31.69	33.59	35.27	36.86	37.78	38.73	
Depreciation	1.31	1.42	1.53	2.12	2.40	2.66	2.90	3.11	3.29	3.46	3.61	3.70	3.80	
in % of Sales	4.6 %	2.7 %	2.5 %	3.0 %	3.0 %	3.0 %	3.0 %	3.0 %	3.0 %	3.0 %	3.0 %	3.0 %	3.0 %	
Changes in provisions	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Change in Liquidity from														
- Working Capital	0.11	2.80	1.30	0.60	1.01	0.97	0.88	0.75	0.68	0.60	0.57	0.33	0.34	
- Capex Capex in % of Sales	0.62 2.2 %	0.62 1.2 %	0.62 1.0 %	2.83 4.0 %	2.80 3.5 %	2.66 3.0 %	2.90 3.0 %	3.11 3.0 %	3.29 3.0 %	3.46 3.0 %	3.61 3.0 %	3.70 3.0 %	3.80 3.0 %	
Capex III % OI Sales	2.2 70	1.2 70	1.0 %	4.0 %	3.5 %	3.0 %	3.0 %	3.0 %	3.0 %	3.0 %	3.0 %	3.0 %	3.0 %	
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Free Cash Flow (WACC Model)	4.97	3.36	11.47	16.04	20.35	26.21	28.74	30.95	32.91	34.67	36.29	37.45	38.39	39
PV of FCF	5.09	3.14	9.80	12.53	14.54	17.11	17.16	16.89	16.42	15.82	15.13	14.28	13.38	185
share of PVs		5.06 %						43.00	) %					51.94 %

Model parameter				Valuation (m)			
Derivation of WACC:		Derivation of Beta:		Present values 2032e	171		
				Terminal Value	185		
Debt ratio	2.00 %	Financial Strength	1.30	Financial liabilities	0		
Cost of debt (after tax)	2.3 %	Liquidity (share)	1.50	Pension liabilities	0		
Market return	7.00 %	Cyclicality	1.60	Hybrid capital	0		
Risk free rate	1.50 %	Transparency	1.50	Minority interest	0		
		Others	1.40	Market val. of investments	0		
				Liquidity	4	No. of shares (m)	14.4
WACC	9.38 %	Beta	1.46	Equity Value	361	Value per share (EUR)	25.09

Sens	itivity Va	lue per Sh	are (EUR	)													
	Terminal Growth Delta EBIT-margin																
Beta	WACC	1.25 %	1.50 %	1.75 %	2.00 %	2.25 %	2.50 %	2.75 %	Beta W	/ACC	-1.5 pp	-1.0 pp	-0.5 pp	+0.0 pp	+0.5 pp	+1.0 pp	+1.5 pp
1.65	10.4 %	20.89	21.15	21.43	21.72	22.04	22.37	22.72	<b>1.65</b> 10	0.4 %	20.93	21.19	21.46	21.72	21.99	22.25	22.52
1.55	9.9 %	22.31	22.62	22.95	23.30	23.67	24.07	24.50	<b>1.55</b> 9.	9 %	22.45	22.73	23.02	23.30	23.58	23.86	24.15
1.51	9.6 %	23.08	23.42	23.78	24.17	24.58	25.02	25.49	<b>1.51</b> 9.	6 %	23.29	23.58	23.87	24.17	24.46	24.75	25.04
1.46	9.4 %	23.91	24.28	24.67	25.09	25.55	26.03	26.55	<b>1.46</b> 9.	4 %	24.19	24.49	24.79	25.09	25.40	25.70	26.00
1.41	9.1 %	24.79	25.19	25.63	26.09	26.59	27.12	27.70	<b>1.41</b> 9.	1 %	25.15	25.46	25.77	26.09	26.40	26.72	27.03
1.37	8.9 %	25.73	26.17	26.65	27.16	27.71	28.30	28.94	<b>1.37</b> 8.	9 %	26.18	26.51	26.83	27.16	27.48	27.81	28.14
1.27	8.4 %	27.81	28.35	28.93	29.55	30.23	30.96	31.76	<b>1.27</b> 8.	4 %	28.49	28.85	29.20	29.55	29.91	30.26	30.61

- The long-term EBIT margin of 45% is expected to be reached from 2025 onwards
- Growth rates for 2020 and 2021 include consolidation of acquired companies



Valuation							
	2016	2017	2018	2019	2020e	2021e	2022e
Price / Book	0.3 x	1.0 x	0.5 x	0.3 x	8.1 x	7.0 x	5.3 x
Book value per share ex intangibles	1.59	1.95	11.46	14.98	1.30	1.72	2.61
EV / Sales	n.a.	n.a.	n.a.	0.5 x	9.2 x	4.9 x	4.1 x
EV / EBITDA	n.a.	n.a.	n.a.	1.2 x	34.9 x	28.8 x	13.5 x
EV / EBIT	n.a.	n.a.	n.a.	1.2 x	42.2 x	34.2 x	14.7 x
EV / EBIT adj.*	n.a.	n.a.	n.a.	1.2 x	42.2 x	34.2 x	14.7 x
P/FCF	1.7 x	2.0 x	2.7 x	n.a.	44.4 x	77.6 x	22.7 x
P/E	3.7 x	1.2 x	2.7 x	4.7 x	56.6 x	42.1 x	23.5 x
P / E adj.*	3.7 x	1.2 x	2.7 x	4.7 x	56.6 x	42.1 x	23.5 x
Dividend Yield	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
FCF Potential Yield (on market EV)	-41.5 %	-150.1 %	-542.0 %	57.0 %	2.0 %	2.6 %	5.4 %
*Adjustments made for: -							

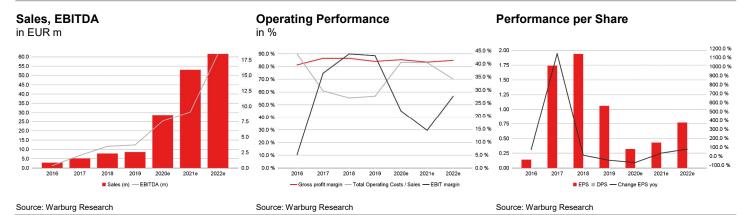
Company Specific Items							
	2016	2017	2018	2019	2020e	2021e	2022e
Unique User	0.00	0.00	0.00	n.a.	n.a.	n.a.	n.a.



Consolidated profit & loss							
In EUR m	2016	2017	2018	2019	2020e	2021e	20226
Sales	2.83	5.19	7.77	8.55	28.60	53.01	61.56
Change Sales yoy	12.3 %	83.2 %	49.9 %	10.0 %	234.5 %	85.4 %	16.1 %
Increase / decrease in inventory	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Own work capitalised	0.09	0.00	0.00	0.00	0.10	0.10	0.10
Total Sales	2.92	5.19	7.77	8.55	28.70	53.11	61.66
Material expenses	0.62	0.70	1.05	1.37	4.27	8.82	9.44
Gross profit	2.30	4.49	6.72	7.18	24.43	44.29	52.22
Gross profit margin	81.3 %	86.5 %	86.4 %	84.0 %	85.4 %	83.5 %	84.8 %
Personnel expenses	1.55	1.81	2.02	2.41	8.98	20.68	23.14
Other operating income	0.00	0.03	0.44	0.16	0.00	0.00	0.00
Other operating expenses	0.38	0.68	1.67	1.23	10.57	14.55	10.62
Unfrequent items	0.00	0.00	0.00	0.00	2.70	0.00	0.00
EBITDA	0.38	2.03	3.47	3.70	7.58	9.07	18.46
Margin	13.3 %	39.1 %	44.7 %	43.3 %	26.5 %	17.1 %	30.0 %
Depreciation of fixed assets	-0.03	0.00	0.00	0.00	0.00	0.00	0.00
EBITA	0.40	2.03	3.47	3.70	7.58	9.07	18.46
Amortisation of intangible assets	0.23	0.14	0.07	0.02	1.31	1.42	1.53
Goodwill amortisation	0.03	0.00	0.00	0.00	0.00	0.00	0.00
EBIT	0.14	1.89	3.40	3.69	6.27	7.65	16.93
Margin	5.1 %	36.4 %	43.8 %	43.1 %	21.9 %	14.4 %	27.5 %
EBIT adj.	0.14	1.89	3.40	3.69	6.27	7.65	16.93
Interest income	0.00	0.01	0.02	0.02	0.00	0.00	0.00
Interest expenses	0.00	0.00	0.00	0.05	0.00	0.00	0.00
Other financial income (loss)	0.00	0.00	0.98	1.76	1.87	0.00	0.00
EBT	0.14	1.90	3.66	3.02	7.53	7.65	16.93
Margin	5.1 %	36.7 %	47.0 %	35.4 %	26.3 %	14.4 %	27.5 %
Total taxes	0.00	0.13	0.42	1.12	2.26	2.29	5.08
Net income from continuing operations	0.14	1.78	3.23	1.90	5.27	5.35	11.85
Income from discontinued operations (net of tax)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Net income before minorities	0.14	1.78	3.23	1.90	5.27	5.35	11.85
Minority interest	0.00	0.00	0.00	0.00	0.67	-0.89	0.77
Net income	0.14	1.78	3.23	1.90	4.60	6.24	11.07
Margin	5.1 %	34.2 %	41.6 %	22.2 %	16.1 %	11.8 %	18.0 %
Number of shares, average	1.02	1.02	1.67	1.80	14.38	14.38	14.38
EPS	0.14	1.74	1.94	1.06	0.32	0.43	0.77
EPS adj.	0.14	1.74	1.94	1.06	0.32	0.43	0.77
*Adjustments made for:							

Guidance: 2021: Revenue EUR 45m - 50m; EBITDA EUR 4m - 6m

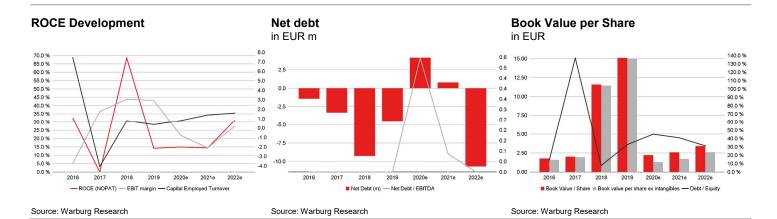
Financial Ratios							
	2016	2017	2018	2019	2020e	2021e	2022e
Total Operating Costs / Sales	89.9 %	60.9 %	55.3 %	56.7 %	83.3 %	83.1 %	70.2 %
Operating Leverage	7.1 x	14.6 x	1.6 x	0.8 x	0.3 x	0.3 x	7.5 x
EBITDA / Interest expenses	n.a.	n.a.	20840.5 x	73.9 x	n.a.	n.a.	n.a.
Tax rate (EBT)	0.0 %	6.6 %	11.6 %	37.1 %	30.0 %	30.0 %	30.0 %
Dividend Payout Ratio	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Sales per Employee	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.





Consolidated balance sheet							
In EUR m	2016	2017	2018	2019	2020e	2021e	2022
Assets							
Goodwill and other intangible assets	0.19	0.07	0.22	0.21	13.29	12.47	11.5
thereof other intangible assets	0.19	0.07	0.22	0.00	13.29	12.47	11.54
thereof Goodwill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Property, plant and equipment	0.02	0.02	0.03	0.03	0.55	0.56	0.58
Financial assets	0.00	0.00	9.98	28.02	27.72	27.72	27.72
Other long-term assets	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Fixed assets	0.22	0.08	10.23	28.27	41.56	40.75	39.83
Inventories	0.00	0.00	0.00	0.00	0.00	0.10	0.10
Accounts receivable	0.39	1.42	1.26	3.17	3.90	7.30	8.80
Liquid assets	1.43	3.33	9.26	4.50	0.86	4.22	15.68
Other short-term assets	0.03	0.04	0.07	0.08	0.08	0.08	0.08
Current assets	1.85	4.79	10.59	7.76	4.84	11.70	24.60
Total Assets	2.10	4.90	20.80	36.00	46.40	52.40	64.50
Liabilities and shareholders' equity							
Subscribed capital	2.56	1.02	1.67	1.80	1.80	1.80	1.80
Capital reserve	5.12	5.12	17.64	23.45	23.45	23.45	23.45
Retained earnings	0.00	0.00	0.00	1.90	6.50	12.74	23.8
Other equity components	-5.87	-4.09	0.00	0.00	0.20	-0.80	0.00
Shareholders' equity	1.81	2.05	19.31	27.15	31.95	37.19	49.06
Minority interest	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total equity	1.81	2.05	19.31	27.15	31.95	37.19	49.00
Provisions	0.16	0.67	0.66	1.21	1.21	1.21	1.2
thereof provisions for pensions and similar obligations	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Financial liabilities (total)	0.00	0.00	0.00	0.00	5.00	5.00	5.00
thereof short-term financial liabilities	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Accounts payable	0.02	0.16	0.19	0.18	0.80	1.50	1.70
Other liabilities	0.08	1.99	0.65	7.48	7.48	7.48	7.48
Liabilities	0.26	2.82	1.50	8.87	14.49	15.19	15.39
Total liabilities and shareholders' equity	2.10	4.90	20.80	36.00	46.40	52.40	64.50

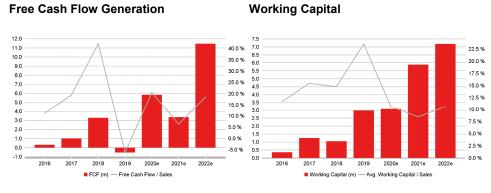
Financial Ratios							
	2016	2017	2018	2019	2020e	2021e	2022e
Efficiency of Capital Employment							
Operating Assets Turnover	7.5 x	4.1 x	7.2 x	2.8 x	7.9 x	8.2 x	7.9 x
Capital Employed Turnover	7.4 x	-4.1 x	0.8 x	0.4 x	0.8 x	1.4 x	1.6 x
ROA	65.3 %	2138.5 %	31.6 %	6.7 %	11.1 %	15.3 %	27.8 %
Return on Capital							
ROCE (NOPAT)	32.4 %	n.a.	68.6 %	14.2 %	14.9 %	14.5 %	31.0 %
ROE	8.3 %	91.9 %	30.3 %	8.2 %	15.6 %	18.0 %	25.7 %
Adj. ROE	8.3 %	91.9 %	30.3 %	8.2 %	15.6 %	18.0 %	25.7 %
Balance sheet quality							
Net Debt	-1.43	-3.33	-9.26	-4.50	4.14	0.78	-10.68
Net Financial Debt	-1.43	-3.33	-9.26	-4.50	4.14	0.78	-10.68
Net Gearing	<i>-</i> 79.0 %	-162.2 %	-48.0 %	-16.6 %	13.0 %	2.1 %	-21.8 %
Net Fin. Debt / EBITDA	n.a.	n.a.	n.a.	n.a.	54.7 %	8.7 %	n.a.
Book Value / Share	1.8	2.0	11.6	15.1	2.2	2.6	3.4
Book value per share ex intangibles	1.6	1.9	11.5	15.0	1.3	1.7	2.6





Consolidated cash flow statement							
In EUR m	2016	2017	2018	2019	2020e	2021e	2022e
Net income	0.14	1.78	3.23	1.90	5.27	5.35	11.85
Depreciation of fixed assets	-0.03	0.00	0.00	0.00	0.00	0.00	0.00
Amortisation of goodwill	0.03	0.00	0.00	0.00	0.00	0.00	0.00
Amortisation of intangible assets	0.23	0.14	0.07	0.02	1.31	1.42	1.53
Increase/decrease in long-term provisions	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other non-cash income and expenses	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cash Flow before NWC change	0.38	1.92	3.30	1.92	6.58	6.77	13.38
Increase / decrease in inventory	0.00	0.00	0.00	0.00	0.00	-0.10	0.00
Increase / decrease in accounts receivable	-0.02	-1.03	0.16	-1.92	-0.73	-3.40	-1.50
Increase / decrease in accounts payable	-0.03	0.14	0.04	-0.01	0.62	0.70	0.20
Increase / decrease in other working capital positions	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Increase / decrease in working capital (total)	-0.05	-0.89	0.20	-1.93	-0.11	-2.80	-1.30
Net cash provided by operating activities [1]	0.33	1.02	3.50	-0.01	6.48	3.97	12.08
Investments in intangible assets	0.00	0.00	-0.21	-0.50	-0.60	-0.60	-0.60
Investments in property, plant and equipment	-0.01	-0.01	-0.02	-0.02	-0.02	-0.02	-0.02
Payments for acquisitions	0.00	0.00	-0.01	0.00	-14.50	0.00	0.00
Financial investments	0.00	0.00	9.98	3.00	0.00	0.00	0.00
Income from asset disposals	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Net cash provided by investing activities [2]	-0.01	-0.01	-10.22	-3.52	-15.12	-0.62	-0.62
Change in financial liabilities	0.00	0.00	0.00	0.00	5.00	0.00	0.00
Dividends paid	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Purchase of own shares	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Capital measures	0.00	-1.53	13.20	5.94	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Net cash provided by financing activities [3]	0.00	-1.53	13.20	5.94	5.00	0.00	0.00
Change in liquid funds [1]+[2]+[3]	0.32	-0.52	6.48	2.41	-3.64	3.36	11.47
Effects of exchange-rate changes on cash	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cash and cash equivalent at end of period	1.44	0.91	9.81	11.67	0.86	4.22	15.68

Financial Ratios							
	2016	2017	2018	2019	2020e	2021e	2022e
Cash Flow							
FCF	0.32	1.01	3.28	-0.53	5.86	3.36	11.47
Free Cash Flow / Sales	11.2 %	19.5 %	42.1 %	-6.2 %	20.5 %	6.3 %	18.6 %
Free Cash Flow Potential	0.38	1.90	3.05	2.58	5.32	6.77	13.38
Free Cash Flow / Net Profit	220.4 %	57.1 %	101.4 %	-27.8 %	127.4 %	53.8 %	103.5 %
Interest Received / Avg. Cash	0.0 %	0.6 %	0.3 %	0.3 %	0.0 %	0.0 %	0.0 %
Interest Paid / Avg. Debt	n.a.	n.a.	n.a.	n.a.	0.0 %	0.0 %	0.0 %
Management of Funds							
Investment ratio	0.4 %	0.2 %	2.9 %	6.0 %	2.2 %	1.2 %	1.0 %
Maint. Capex / Sales	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Capex / Dep	4.5 %	7.4 %	316.3 %	3289.2 %	47.0 %	43.3 %	40.1 %
Avg. Working Capital / Sales	11.7 %	15.5 %	14.8 %	23.6 %	10.6 %	8.5 %	10.6 %
Trade Debtors / Trade Creditors	1647.1 %	877.5 %	647.9 %	1744.5 %	487.5 %	486.7 %	517.6 %
Inventory Turnover	n.a.	n.a.	n.a.	n.a.	n.a.	88.2 x	94.4 x
Receivables collection period (days)	50	100	59	136	50	50	52
Payables payment period (days)	14	84	67	49	68	62	66
Cash conversion cycle (Days)	n.a.	n.a.	n.a.	n.a.	n.a.	-8	-10



Source: Warburg Research

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Company	Disclosure	Link to the historical price targets and rating changes (last 12 months)
wallstreet:online	5	http://www.mmwarburg.com/disclaimer/disclaimer en/DE000A2GS609.htm

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-B-	Buy:	The price of the analysed financial instrument is expected to rise over the next 12 months.
-H-	Hold:	The price of the analysed financial instrument is expected to remain mostly flat over the next 12 months.
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<u>"_"</u>	Rating suspended:	The available information currently does not permit an evaluation of the company.

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Rating	Number of stocks

Rating	Number of stocks	% of Universe
Buy	132	64
Hold	62	30
Sell	7	3
Rating suspended	6	3
Total	207	100

#### WARBURG RESEARCH GMBH - ANALYSED RESEARCH UNIVERSE BY RATING ...

... taking into account only those companies which were provided with major investment services in the last twelve months.

Rating	Number of stocks	% of Universe
Buy	39	80
Hold	7	14
Sell	0	0
Rating suspended	3	6
Total	49	100

#### PRICE AND RATING HISTORY WALLSTREET:ONLINE AS OF 09.03.2021



Markings in the chart show rating changes by Warburg Research GmbH in the last 12 months. Every marking details the date and closing price on the day of the rating change.



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