(CDAX, Telecom/Internet)



Buy		Value Indicators:	EUR	Share data:		Description:	
Биу	(Hold)	DCF:	52.15	Bloomberg:	WSO1 GR	Operator of financial portals,	
EUR 52.00	(EUR 50.50)			Reuters:	WSO1k.DE	including the largest German	
EUR 32.00	(EUR 50.50)			ISIN:	DE000A2GS609	financial user forum	
		Market Snapshot:	EUR m	Shareholders:		Risk Profile (WRe):	2018e
Duine		Market cap:	55.38	Freefloat	27.0 %	Beta:	1.4
Price	EUR 33.30	No. of shares (m):	1.66	AKD (André Kolbinger)	39.0 %	Price / Book:	1.6 x
Upside	56.2 %	EV:	41.39	André Kolbinger	34.0 %	Equity Ratio:	92 %
		Freefloat MC:	14.95				
		Ø Trad. Vol. (30d):	32.71 th				

#### Revaluation after acquisition and increased confidence in IR business; Buy

Wallstreet:online AG (ws:o) announced last Wednesday (27.02.2019) the acquisition of ABC New Media AG, which operates the financial information platform finanznachrichten.de, for a purchase price of EUR 2.8m in cash. Finanznachrichten.de is a well-known platform that provides users with share price information with a focus on potentially market-moving news. We welcome the acquisition for the following reasons:

- As it appears that finanznachrichten.de was less focused on selling advertising space on its website, ws:o should be able to use this space to enhance its existing marketing strategy.
- There is synergy potential in the purchase of financial market and share price information.
- Similar unique user profiles of the two platforms should contribute to the consolidation and expansion of ws:o's market position as the second-largest German financial information platform.
- The purchase price of EUR 2.8m represents a current sales multiple of 3.1x, which is much cheaper than ws:o's current valuation of 5.8x 18e sales.

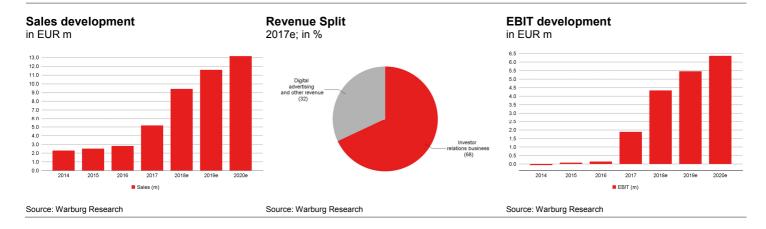
The acquisition is reflected in our new estimates with a sales contribution of EUR 1m in 2019e and, taking the operating leverage of the platform into consideration, EUR 1.5m in 2020e. Furthermore, a comparable margin to the core business of ws:o is assumed. Besides including the impact of the acquisition, the model was also reworked. The tax rate was increased substantially for the near term, reflecting higher than assumed taxes as early as in H1 2018.

Furthermore, we are now more confident that the investor relations business (the main driver of strong development in the past) will remain stable or even increase, even in market downturns. While the financial markets suffered heavily in the last quarter of 2018, ws:o stated that IR business was still on track and generated favourable returns. Considering this together with the favourable acquisition, we **increase our rating to Buy** and slightly increase our **PT to EUR 52**.

Changes in E	stimates:						Comment on Changes:
FY End: 31.12. in EUR m	2018e (old)	+/-	2019e (old)	+ / -	2020e (old)	+/-	<ul> <li>EPS decline due to higher tax rate assumptions</li> <li>Integration of finanznachrichten.de should come with high synergies a</li> </ul>
Sales	9.42	0.0 %	10.60	9.4 %	11.67	12.9 %	ws:o should be able to leverage the platform at low cost
EBIT	4.34	0.0 %	4.87	12.1 %	5.52	15.2 %	
EPS	2.43	-8.6 %	2.63	0.0 %	2.96	-3.0 %	

55 m wy man when	FY End: 31.12. in EUR m	CAGR (17-20e)	2014	2015	2016	2017	2018e	2019e	2020e
50 th May the think is a	Sales	36.4 %	2.30	2.52	2.83	5.19	9.42	11.60	13.17
45 - My Any Manufer	Change Sales yoy		2.2 %	9.5 %	12.3 %	83.2 %	81.7 %	23.1 %	13.5 %
45 V V V V V	Gross profit margin		78.3 %	84.3 %	81.3 %	86.5 %	82.5 %	82.6 %	82.3 %
40 - W Yr-	EBITDA	49.5 %	0.20	0.40	0.38	2.03	4.64	5.82	6.78
35 -	Margin		8.7 %	15.9 %	13.3 %	39.1 %	49.2 %	50.2 %	51.5 %
1 - N	EBIT	49.9 %	-0.07	0.08	0.14	1.89	4.34	5.46	6.36
30 - VL MV	Margin		-2.9 %	3.0 %	5.1 %	36.4 %	46.1 %	47.1 %	48.3 %
25 - Marrier	Net income	39.0 %	-0.07	0.08	0.14	1.78	3.69	4.37	4.77
05/18 07/18 09/18 11/18 01/19 03/19	EPS	18.2 %	-0.06	0.08	0.14	1.74	2.22	2.63	2.87
	EPS adj.	18.2 %	-0.06	0.08	0.14	1.74	2.22	2.63	2.87
Wanstreet.onme Obsist (Hormansed)	DPS	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rel. Performance vs CDAX:	Dividend Yield		n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
1 month: 8.9 %	FCFPS		0.20	0.34	0.31	0.99	2.25	2.30	2.69
6 months: -10.4 %	EV / Sales		1.0 x	1.2 x	1.0 x	2.5 x	4.5 x	3.6 x	2.8 x
	EV / EBITDA		12.0 x	7.8 x	7.4 x	6.5 x	9.1 x	7.1 x	5.4 x
Year to date: 26.9 %	EV / EBIT		n.a.	40.7 x	19.4 x	7.0 x	9.8 x	7.6 x	5.8 x
Trailing 12 months: -24.4 %	P/E		n.a.	52.1 x	29.5 x	9.3 x	15.0 x	12.7 x	11.6 x
-	P / E adj.		n.a.	52.1 x	29.5 x	9.3 x	15.0 x	12.7 x	11.6 x
Company events:	FCF Potential Yield		8.3 %	12.8 %	13.5 %	14.4 %	9.4 %	11.4 %	14.1 %
	Net Debt		-1.03	-1.12	-1.43	-3.33	-12.97	-13.99	-18.46
	ROE		-4.2 %	4.9 %	8.3 %	91.9 %	20.4 %	12.0 %	11.7 %
	ROCE (NOPAT)		n.a.	15.0 %	32.4 %	n.a.	37.1 %	19.1 %	19.3 %
	Guidance:	2018: Revenu	e EUR 8.4m	- 10.3m; EB	TEUR 4.5m	- 5.5m			



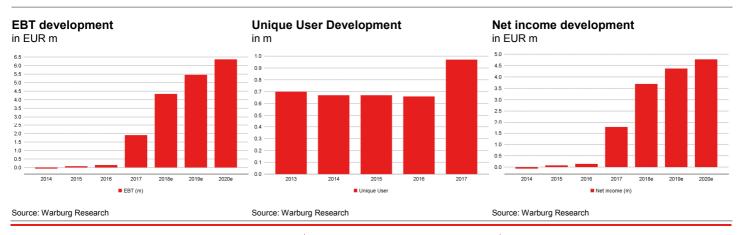


# **Company Background**

- The operation of the German financial information platforms www.wallstreet-online.de and www.boersennews.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 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 player in race for number two in German financial portals. 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.



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4.34 46.1 %	forecast 2019e 11.60 23.1 % 5.46 47.1 % 20.0 % 4.37	t period 2020e 13.17 13.5 % 6.36 48.3 % 25.0 %	2021e 14.49 10.0 % 7.10 49.0 %	2022e 15.64 8.0 % 7.82 50.0 %	2023e 16.74 7.0 % 8.37	T 2024e 17.74 6.0 %	ransition 2025e 18.63 5.0 %	al period 2026e 19.56 5.0 %	2027e 20.54 5.0 %	2028e 21.16	2029e 21.79	2030e 22.34	Term. Value
9.42 81.7 % 4.34 46.1 % 15.0 % 3.69 0.30	11.60 23.1 % 5.46 47.1 % 20.0 %	13.17 13.5 % 6.36 48.3 %	14.49 <i>10.0 %</i> 7.10	15.64 8.0 % 7.82	16.74 7.0 %	17.74	18.63	19.56	20.54	21.16			
81.7 % 4.34 46.1 % 15.0 % 3.69 0.30	23.1 % 5.46 47.1 % 20.0 %	13.5 % 6.36 48.3 %	10.0 % 7.10	8.0 % 7.82	7.0 %						21.79	22.34	
4.34 46.1 % 15.0 % 3.69 0.30	5.46 47.1 % 20.0 %	6.36 48.3 %	7.10	7.82		6.0 %	5.0 %	5.0 %	E 0 0/	/			
46.1 % 15.0 % 3.69 0.30	47.1 % 20.0 %	48.3 %			8 37				5.0 %	3.0 %	3.0 %	2.5 %	2.5 %
15.0 % 3.69 0.30	20.0 %		49.0 %	E0 0 0/	0.01	8.87	9.32	9.78	10.27	10.58	10.90	11.17	
3.69 0.30		25.0 %		50.0 %	50.0 %	50.0 %	50.0 %	50.0 %	50.0 %	50.0 %	50.0 %	50.0 %	
0.30	4.37		30.0 %	32.0 %	32.0 %	32.0 %	32.0 %	32.0 %	32.0 %	32.0 %	32.0 %	32.0 %	
		4.77	4.97	5.32	5.69	6.03	6.33	6.65	6.98	7.19	7.41	7.59	
31%	0.36	0.41	0.43	0.47	0.50	0.53	0.56	0.59	0.62	0.63	0.65	0.67	
0	3.1 %	3.1 %	3.0 %	3.0 %	3.0 %	3.0 %	3.0 %	3.0 %	3.0 %	3.0 %	3.0 %	3.0 %	
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	
-0.26	0.30	0.10	0.20	0.13	0.12	0.11	0.10	0.10	0.11	0.07	0.07	0.06	
0.51	0.61	0.61		0.55	0.50	0.53	0.56	0.59	0.62	0.63	0.65	0.67	
5.4 %	5.3 %	4.6 %	4.0 %	3.5 %	3.0 %	3.0 %	3.0 %	3.0 %	3.0 %	3.0 %	3.0 %	3.0 %	
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	
3.74	3.82	4.48	4.62	5.11	5.57	5.92	6.24	6.55	6.88	7.13	7.34	7.53	8
3.74	3.50	3.75	3.55	3.60	3.59	3.49	3.37	3.24	3.11	2.96	2.79	2.62	40
1	3.18 %						38.75	%					48.08 %
						Valuati	on (m)						
	[	Derivation	of Beta:			Presen	t values 20	30e	4	3			
			0					;					
			hare)										
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1.50 %			ю					otmonto					
	(	Juleis			1.50			siments			No of sha	res (m)	1.7
9.20 %	Ē	Beta			1.40		,					( )	
0	0.51 5.4 % 0.00 3.74 3.74	0.51 0.61 5.4% 5.3% 0.00 0.00 3.74 3.82 3.74 3.50 13.18% 0.00% 1 2.3% 1 7.00% 0 1.50% 0 0.00% 0 0.0%	0.51 0.61 0.61 5.4% 5.3% 4.6% 0.00 0.00 0.00 3.74 3.82 4.48 3.74 3.50 3.75 13.18% Derivation 0.00% Financial S 2.3% Liquidity (s 7.00% Cyclicality 1.50% Transparer Others	0.51 0.61 0.61 0.58 5.4% 5.3% 4.6% 4.0% 0.00 0.00 0.00 0.00 3.74 3.82 4.48 4.62 3.74 3.50 3.75 3.55 13.18% Derivation of Beta: 0.00% Financial Strength 2.3% Liquidity (share) 7.00% Cyclicality 1.50% Transparency Others	0.51 0.61 0.61 0.58 0.55 5.4% 5.3% 4.6% 4.0% 3.5% 0.00 0.00 0.00 0.00 0.00 3.74 3.82 4.48 4.62 5.11 3.74 3.50 3.75 3.55 3.60 13.18% Derivation of Beta: Derivation of Beta: 0.00% Financial Strength 2.3% Liquidity (share) 7.00% Cyclicality 1.50% Transparency Others	0.51         0.61         0.61         0.58         0.55         0.50           5.4 %         5.3 %         4.6 %         4.0 %         3.5 %         3.0 %           0.00         0.00         0.00         0.00         0.00         0.00           3.74         3.82         4.48         4.62         5.11         5.57           3.74         3.50         3.75         3.55         3.60         3.59           Iso           Derivation of Beta:           Iso           Iso           Iso           Iso           Iso           Iso           Iso           Iso	0.51         0.61         0.61         0.58         0.55         0.50         0.53           5.4 %         5.3 %         4.6 %         4.0 %         3.5 %         3.0 %         3.0 %           0.00         0.00         0.00         0.00         0.00         0.00         0.00           3.74         3.82         4.48         4.62         5.11         5.57         5.92           3.74         3.50         3.75         3.55         3.60         3.59         3.49 <b>Valuati</b> Terrivina           Derivation of Beta:         Present           Output:         1.00         Financial           2.3 %         Liquidity (share)         1.40         Pensior           7.00 %         Cyclicality         1.60         Hybrid           1.50 %         Transparency         1.50         Minority           0thers         1.50         Market         Liquidity	0.51       0.61       0.61       0.58       0.55       0.50       0.53       0.56         5.4 %       5.3 %       4.6 %       4.0 %       3.5 %       3.0 %       3.0 %       3.0 %         0.00       0.00       0.00       0.00       0.00       0.00       0.00       0.00         3.74       3.82       4.48       4.62       5.11       5.57       5.92       6.24         3.74       3.50       3.75       3.55       3.60       3.59       3.49       3.37         Table Strength       1.50       3.59       3.49       3.37         Valuation of Beta:         Present values 20         Terminal Value         0.00 %       Financial Strength       1.00       Financial liabilities         2.3 %       Liquidity (share)       1.40       Pension liabilities         7.00 %       Cyclicality       1.60       Hybrid capital         1.50 %       Transparency       1.50       Minority interest         0thers       1.50       Market val. of inves       Liquidity	0.51       0.61       0.61       0.58       0.55       0.50       0.53       0.56       0.59         5.4%       5.3%       4.6%       4.0%       3.5%       3.0%       3.24       3.5%       3.24       3.5%       3.1%       3.1%       3.1%       3.1%       3.1%       3.1%       3.1%	0.51       0.61       0.61       0.58       0.55       0.50       0.53       0.56       0.59       0.62         5.4%       5.3%       4.6%       4.0%       3.5%       3.0%       3.1%       3.1%       3.1%       3.1%       3.1%       3.1%       3.1%       3.1%       3.1%       3.1%       3.1%	0.51       0.61       0.61       0.58       0.55       0.50       0.53       0.56       0.59       0.62       0.63         5.4%       5.3%       4.6%       4.0%       3.5%       3.0%	0.51       0.61       0.61       0.58       0.55       0.50       0.53       0.56       0.59       0.62       0.63       0.65         5.4%       5.3%       4.6%       4.0%       3.5%       3.0%	0.51       0.61       0.61       0.58       0.55       0.50       0.53       0.56       0.59       0.62       0.63       0.65       0.67         5.4%       5.3%       4.6%       4.0%       3.5%       3.0%

#### **Terminal Growth** Delta EBIT-margin Beta WACC 2.25 % **2.50 %** 2.75 % 3.00 % 3.25 % Beta WACC 1.75 % 2.00 % -1.5 pp -1.0 pp -0.5 pp +0.0 pp +0.5 pp +1.0 pp +1.5 pp **1.58** 10.2 % 43.88 44.41 44.96 45.55 46.18 46.86 47.58 **1.58** 10.2 % 44.20 44.65 45.10 45.55 46.00 46.45 46.90 **1.49** 9.7 % 46.61 47.24 47.91 48.62 49.38 50.20 51.09 **1.49** 9.7 % 47.17 47.66 48.14 48.62 49.10 49.58 50.06 **1.45** 9.5 % 48.12 48.80 49.53 50.32 51.16 52.07 53.05 **1.45** 9.5 % 48.82 49.32 49.82 50.32 50.82 51.32 51.81 **1.40** 9.2 % **1.40** 9.2 % 50.47 51.28 50.60 53.70 49.72 52.15 53.08 54.09 55.19 51.11 51.63 52.15 52.66 53.18 **1.35** 9.0 % 51.44 52.27 53.16 54.12 55.16 56.28 57.51 **1.35** 9.0 % 52.51 53.05 53.58 54.12 54.66 55.19 55.73 **1.31** 8.7 % 53.28 1.31 8.7 % 54.58 54 20 55 19 56 25 57 41 58 67 60 04 55 14 55 69 56 25 56 81 57 37 57 93 **1.22** 8.2 % 57.41 58.53 59.76 61.09 62.54 64.13 65.88 **1.22** 8.2 % 59.26 59.87 60.48 61.09 61.69 62.30 62.91

• We assume EBIT-margin to stand at slightly below 50% in a steady state scenario.

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Valuation							
	2014	2015	2016	2017	2018e	2019e	2020e
Price / Book	2.2 x	2.6 x	2.3 x	8.0 x	1.6 x	1.4 x	1.3 x
Book value per share ex intangibles	1.14	1.32	1.59	1.95	6.85	7.71	10.41
EV / Sales	1.0 x	1.2 x	1.0 x	2.5 x	4.5 x	3.6 x	2.8 x
EV / EBITDA	12.0 x	7.8 x	7.4 x	6.5 x	9.1 x	7.1 x	5.4 x
EV / EBIT	n.a.	40.7 x	19.4 x	7.0 x	9.8 x	7.6 x	5.8 x
EV / EBIT adj.*	n.a.	40.7 x	19.4 x	7.0 x	9.8 x	7.6 x	5.8 x
P / FCF	17.1 x	12.1 x	13.3 x	16.3 x	14.8 x	14.5 x	12.4 x
P/E	n.a.	52.1 x	29.5 x	9.3 x	15.0 x	12.7 x	11.6 x
P / E adj.*	n.a.	52.1 x	29.5 x	9.3 x	15.0 x	12.7 x	11.6 x
Dividend Yield	n.a.						
FCF Potential Yield (on market EV)	8.3 %	12.8 %	13.5 %	14.4 %	9.4 %	11.4 %	14.1 %
*Adjustments made for: -							

Company Specific Items							
	2014	2015	2016	2017	2018e	2019e	2020e
Unique User	0.00	0.00	0.00	0.00	n.a.	n.a.	n.a.

### Consolidated profit & loss



In EUR m	2014	2015	2016	2017	2018e	2019e	2020e
Sales	2.30	2.52	2.83	5.19	9.42	11.60	13.17
Change Sales yoy	2.2 %	9.5 %	12.3 %	83.2 %	81.7 %	23.1 %	13.5 %
Increase / decrease in inventory	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Own work capitalised	0.13	0.24	0.09	0.00	0.10	0.10	0.10
Total Sales	2.44	2.76	2.92	5.19	9.52	11.70	13.27
Material expenses	0.63	0.64	0.62	0.70	1.74	2.12	2.43
Gross profit	1.80	2.12	2.30	4.49	7.78	9.58	10.84
Gross profit margin	78.3 %	84.3 %	81.3 %	86.5 %	82.5 %	82.6 %	82.3 %
Personnel expenses	1.22	1.33	1.55	1.81	2.38	2.83	3.01
Other operating income	0.07	0.06	0.00	0.03	0.00	0.00	0.00
Other operating expenses	0.45	0.45	0.38	0.68	0.75	0.93	1.05
Unfrequent items	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EBITDA	0.20	0.40	0.38	2.03	4.64	5.82	6.78
Margin	8.7 %	15.9 %	13.3 %	39.1 %	49.2 %	50.2 %	51.5 %
Depreciation of fixed assets	-0.03	-0.03	-0.03	0.00	0.00	0.00	0.00
EBITA	0.23	0.43	0.40	2.03	4.64	5.82	6.78
Amortisation of intangible assets	0.27	0.32	0.23	0.14	0.30	0.36	0.41
Goodwill amortisation	0.03	0.03	0.03	0.00	0.00	0.00	0.00
EBIT	-0.07	0.08	0.14	1.89	4.34	5.46	6.36
Margin	-2.9 %	3.0 %	5.1 %	36.4 %	46.1 %	47.1 %	48.3 %
EBIT adj.	-0.07	0.08	0.14	1.89	4.34	5.46	6.36
Interest income	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Interest expenses	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other financial income (loss)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EBT	-0.07	0.08	0.14	1.90	4.34	5.46	6.36
Margin	-2.9 %	3.1 %	5.1 %	36.7 %	46.1 %	47.1 %	48.3 %
Total taxes	0.00	0.00	0.00	0.13	0.65	1.09	1.59
Net income from continuing operations	-0.07	0.08	0.14	1.78	3.69	4.37	4.77
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	-0.07	0.08	0.14	1.78	3.69	4.37	4.77
Minority interest	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Net income	-0.07	0.08	0.14	1.78	3.69	4.37	4.77
Margin	-2.9 %	3.1 %	5.1 %	34.2 %	39.2 %	37.7 %	36.2 %
Number of shares, average	1.02	1.02	1.02	1.02	1.66	1.66	1.66
EPS	-0.06	0.08	0.14	1.74	2.22	2.63	2.87
EPS adj.	-0.06	0.08	0.14	1.74	2.22	2.63	2.87
*Adjustments made for:							

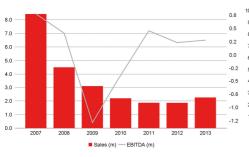
#### Guidance: 2018: Revenue EUR 8.4m - 10.3m; EBT EUR 4.5m - 5.5m

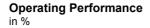
#### **Financial Ratios**

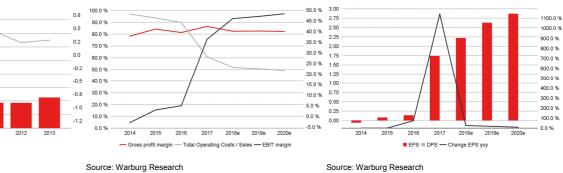
	2014	2015	2016	2017	2018e	2019e	2020e
Total Operating Costs / Sales	97.1 %	93.7 %	89.9 %	60.9 %	51.8 %	50.6 %	49.3 %
Operating Leverage	n.a.	n.a.	7.1 x	14.6 x	1.6 x	1.1 x	1.2 x
EBITDA / Interest expenses	n.a.						
Tax rate (EBT)	0.0 %	0.0 %	0.0 %	6.6 %	15.0 %	20.0 %	25.0 %
Dividend Payout Ratio	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Sales per Employee	n.a.						

#### Sales, EBITDA in EUR m

Source: Warburg Research







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Published 05.03.2019

5

Performance per Share

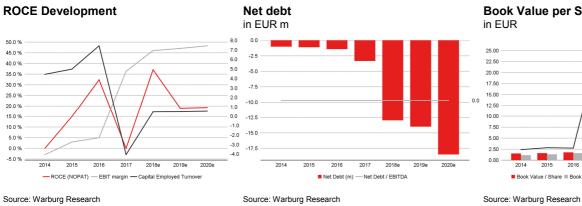
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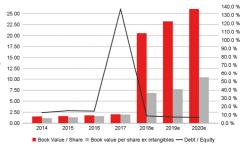
In EUR m	2014	2015	2016	2017	2018e	2019e	2020e
Assets							
Goodwill and other intangible assets	0.39	0.28	0.19	0.07	22.77	25.81	25.99
thereof other intangible assets	0.34	0.25	0.19	0.07	22.77	25.81	25.99
thereof Goodwill	0.05	0.03	0.00	0.00	0.00	0.00	0.00
Property, plant and equipment	0.04	0.03	0.02	0.02	0.03	0.04	0.05
Financial assets	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other long-term assets	0.00	0.05	0.01	0.00	0.00	0.00	0.00
Fixed assets	0.44	0.36	0.22	0.08	22.80	25.84	26.04
Inventories	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Accounts receivable	0.25	0.37	0.39	1.42	1.30	1.60	1.80
Liquid assets	1.03	1.12	1.43	3.33	12.97	13.99	18.46
Other short-term assets	0.02	0.01	0.03	0.04	0.04	0.04	0.04
Current assets	1.30	1.51	1.85	4.79	14.30	15.63	20.30
Total Assets	1.70	1.90	2.10	4.90	37.10	41.50	46.30
Liabilities and shareholders' equity							
Subscribed capital	7.67	2.56	2.56	1.02	1.66	1.66	1.66
Capital reserve	0.01	5.12	5.12	5.12	32.90	32.90	32.90
Retained earnings	0.00	0.00	0.00	0.00	-0.65	-1.74	-3.33
Other equity components	-6.12	-6.05	-5.87	-4.09	0.25	5.81	12.08
Shareholders' equity	1.55	1.63	1.81	2.05	34.16	38.63	43.31
Minority interest	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total equity	1.55	1.63	1.81	2.05	34.16	38.63	43.31
Provisions	0.09	0.10	0.16	0.67	0.67	0.67	0.67
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	0.00	0.00	0.00
thereof short-term financial liabilities	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Accounts payable	0.04	0.05	0.02	0.16	0.30	0.30	0.40
Other liabilities	0.06	0.09	0.08	1.99	2.01	1.91	1.91
Liabilities	0.19	0.24	0.26	2.82	2.98	2.88	2.98
Total liabilities and shareholders' equity	1.70	1.90	2.10	4.90	37.10	41.50	46.30

#### **Financial Ratios**

	2014	2015	2016	2017	2018e	2019e	2020e
Efficiency of Capital Employment							
Operating Assets Turnover	9.2 x	7.4 x	7.5 x	4.1 x	9.3 x	8.7 x	9.2 x
Capital Employed Turnover	4.4 x	5.0 x	7.4 x	-4.1 x	0.4 x	0.5 x	0.5 x
ROA	-15.2 %	21.4 %	65.3 %	2138.5 %	16.2 %	16.9 %	18.3 %
Return on Capital							
ROCE (NOPAT)	n.a.	15.0 %	32.4 %	n.a.	37.1 %	19.1 %	19.3 %
ROE	-4.2 %	4.9 %	8.3 %	91.9 %	20.4 %	12.0 %	11.7 %
Adj. ROE	-4.2 %	4.9 %	8.3 %	91.9 %	20.4 %	12.0 %	11.7 %
Balance sheet quality							
Net Debt	-1.03	-1.12	-1.43	-3.33	-12.97	-13.99	-18.46
Net Financial Debt	-1.03	-1.12	-1.43	-3.33	-12.97	-13.99	-18.46
Net Gearing	-66.5 %	-69.0 %	-79.0 %	-162.2 %	-38.0 %	-36.2 %	-42.6 %
Net Fin. Debt / EBITDA	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Book Value / Share	1.5	1.6	1.8	2.0	20.5	23.2	26.0
Book value per share ex intangibles	1.1	1.3	1.6	1.9	6.9	7.7	10.4



# **Book Value per Share**



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Published 05.03.2019

6

### Consolidated cash flow statement

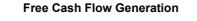


In EUR m	2014	2015	2016	2017	2018e	2019e	2020e
Net income	-0.07	0.08	0.14	1.78	3.69	4.37	4.77
Depreciation of fixed assets	-0.03	-0.03	-0.03	0.00	0.00	0.00	0.00
Amortisation of goodwill	0.03	0.03	0.03	0.00	0.00	0.00	0.00
Amortisation of intangible assets	0.27	0.32	0.23	0.14	0.30	0.36	0.41
Increase/decrease 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	0.20	0.40	0.38	1.92	3.99	4.73	5.19
Increase / decrease in inventory	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Increase / decrease in accounts receivable	0.00	0.00	-0.02	-1.03	0.12	-0.30	-0.20
Increase / decrease in accounts payable	0.00	0.00	-0.03	0.14	0.14	0.00	0.10
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)	0.00	0.00	-0.05	-0.89	0.26	-0.30	-0.10
Net cash provided by operating activities [1]	0.20	0.40	0.33	1.02	4.25	4.43	5.09
Investments in intangible assets	0.00	0.00	0.00	0.00	-0.50	-0.60	-0.60
Investments in property, plant and equipment	0.00	-0.05	-0.01	-0.01	-0.01	-0.01	-0.01
Payments for acquisitions	0.00	0.00	0.00	0.00	-22.50	-2.80	0.00
Financial investments	0.00	0.00	0.00	0.00	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]	0.00	-0.05	-0.01	-0.01	-23.01	-3.41	-0.61
Change in financial liabilities	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	-1.53	28.40	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	0.00	0.00	-1.53	28.40	0.00	0.00
Change in liquid funds [1]+[2]+[3]	0.20	0.35	0.32	-0.52	9.64	1.02	4.48
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	1.49	1.38	1.44	0.91	12.97	13.99	18.46

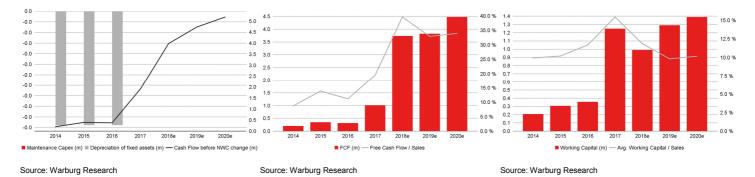
#### **Financial Ratios**

	2014	2015	2016	2017	2018e	2019e	2020e
	2014	2015	2010	2017	20100	20196	20208
Cash Flow							
FCF	0.20	0.35	0.32	1.01	3.74	3.82	4.48
Free Cash Flow / Sales	8.8 %	13.9 %	11.2 %	19.5 %	39.6 %	33.0 %	34.0 %
Free Cash Flow Potential	0.20	0.40	0.38	1.90	3.99	4.73	5.19
Free Cash Flow / Net Profit	-305.1 %	453.6 %	220.4 %	57.1 %	101.2 %	87.5 %	93.8 %
Interest Received / Avg. Cash	0.1 %	0.0 %	0.0 %	0.6 %	0.0 %	0.0 %	0.0 %
Interest Paid / Avg. Debt	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Management of Funds							
Investment ratio	0.0 %	2.0 %	0.4 %	0.2 %	5.4 %	5.3 %	4.6 %
Maint. Capex / Sales	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Capex / Dep	0.0 %	15.4 %	4.5 %	7.4 %	172.2 %	167.9 %	147.5 %
Avg. Working Capital / Sales	9.9 %	10.2 %	11.7 %	15.5 %	11.9 %	9.8 %	10.2 %
Trade Debtors / Trade Creditors	599.0 %	709.1 %	1647.1 %	877.5 %	433.3 %	533.3 %	450.0 %
Inventory Turnover	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Receivables collection period (days)	39	53	50	100	50	50	50
Payables payment period (days)	24	30	14	84	63	52	60
Cash conversion cycle (Days)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

# CAPEX and Cash Flow in EUR m



#### **Working Capital**



COMMENT

Published 05.03.2019

7



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wallstreet:online	5	http://www.mmwarburg.com/disclaimer/disclaimer_en/DE000A2GS609.htm	



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Investment recommendation: expected direction of the share price development of the financial instrument up to the given <u>price target</u> in the opinion of the analyst who covers this financial instrument.

-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 months.	
-S-	Sell:	The price of the analysed financial instrument is expected to fall over the next 12 months.	
"_"	Rating suspended:	The available information currently does not permit an evaluation of the company.	

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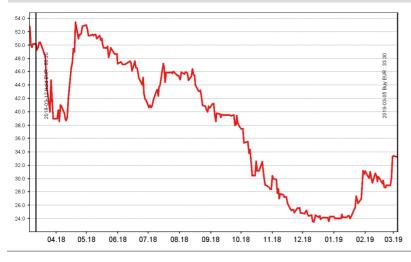
Rating	Number of stocks	% of Universe
Buy	129	65
Hold	57	29
Sell	6	3
Rating suspended	8	4
Total	200	100

#### 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	28	72
Hold	9	23
Sell	0	0
Rating suspended	2	5
Total	39	100

#### PRICE AND RATING HISTORY WALLSTREET:ONLINE AS OF 05.03.2019



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