DEFAMA Deutsche Fachmarkt AG

(General Standard, Real Estate)



Dun		Value Indicators:	EUR	Share data:		Description:	
Buy		NAV (WRe):	14.40	Bloomberg:	DEF GR	Commercial real estate co	ompany
44 20		FFO-Yield:	14.36	Reuters:	DEF.MU	focused on retail parks in	Northern
EUR 14.30				ISIN: E	DE000A13SUL5	and Eastern Germany	
		Market Snapshot:	EUR m	Shareholders:		Risk Profile (WRe):	2018e
D. S. A.		Market cap:	43.63	Freefloat	47.5 %	LTV:	63.4 %
Price	EUR 12.30	No. of shares (m):	3.55	MSC Invest GmbH	35.2 %	Equity Ratio:	18.5 %
Upside	16.3 %	Freefloat MC:	20.72	Geminus GmbH	4.8 %		
		Ø Trad. Vol. (30d):	3.44 th	Supervisory board	2.1 %		
				ABCON Vermögensverw	altung 10.4 %		

Roadshow Feedback: Expecting an attractive acquisition pipeline

- On a roadshow with the CEO our positive impression of DEFAMA's growth opportunities was confirmed. DEFAMA's strict acquisition discipline, the strong knowledge of the relevant regional acquisition market (10k properties) and the rising market awareness of DEFAMA should enable sustainable FFO improvement as DEFAMA avails of attractive investment opportunities.
- DEFAMA's soft announcement of a possible 10% capital increase with the H1 report is, in our view, a clear indication of a strong deal pipeline. Even though potential acquisitions are uncertain until a final settlement, the probability of another substantial improvement in the top line and FFO seems good. We are assuming an impressive deal volume in a blue-sky scenario as DEFAMA's cash development looks satisfactory and provides some scope for acquisitions even without a capital increase. At end of H1, DEFAMA had a cash position of EUR 2.3m and cash inflow of ~EUR 2m is due in H2/18 from the partial disposal (50%-stake) of the retail park in Radeberg. Additionally, the contribution from operating business has increased to EUR 3.9m p.a. (FFO) and there is a high likelihood of a complete disposal of the park in Radeberg after development to another buyer in the course of 2019 (for further cash inflow of >EUR 2m). An additional capital increase would improve DEFAMA's flexibility in the acquisition process and its position in financing negotiations with banks. A 10% capital increase could lead to proceeds of ~EUR 4m and raise the possible acquisition volume by approx. EUR 40m assuming 85% debt financing and including existing cash capacities.
- The FFO run-rate has improved impressively to EUR 3.9m after four successful acquisitions so far in 2018 with a volume of EUR 15.2m and at an attractive rent multiple of ~9. As our FFO estimate for 2019 stands at EUR 4.06m, DEFAMA is well on track to beat our estimate including the possible FFO reduction from the complete sale of Radeberg. The calculated FFO yield of 9% on the current portfolio seems attractive and should increase with further acquisitions.
- The last acquisition of a retail park in Staßfurt (near Magdeburg) will increase the number of properties to 26. Based on a purchase price of EUR 2.6m, the multiple of 9 on the net cold rent is well within DEFAMA's acquisition target. Core tenants are Aldi, ABC Schuhe and Vidrea Germany with the brand "Miller&Monroe". The location seems attractive at the intersection of two main roads in eastern Staßfurt. An extension might be possible for the core tenant Aldi.
- The investment case is fully intact. Based on attractive growth opportunities, the valuation remains appealing. Furthermore, the growing portfolio should attract the interest of investors and other real estate companies wishing to benefit from DEFAMA's strong knowledge in the German market for retail parks, especially in northern and eastern Germany. We reiterate our Buy recommendation and confirm our price target of EUR 14.30. The anticipated strong acquisition pipeline should enable additional operating growth even on a per-share basis which would offer further valuation potential.

13 -		FY End: 31.12. in EUR m	CAGR (17-21e)	2015	2016	2017	2018e	2019e	2020e	2021e
12.5 -		Rental income		1.01	3.44	5.83	8.73	10.40	12.59	14.83
12 -	NW	Change yoy		n.a.	240.6 %	69.5 %	49.8 %	19.1 %	21.0 %	17.8 %
11.5 -	/ v··	EBIT		0.46	1.67	2.67	4.92	4.68	5.58	6.69
		FFOI		0.53	1.59	2.58	3.45	4.06	4.87	5.74
		FFO I-margin		52.2 %	46.2 %	44.3 %	39.6 %	39.1 %	38.7 %	38.7 %
		EBT		0.36	1.11	1.77	3.67	3.09	3.65	4.42
9.5		Net income		0.30	0.89	1.36	2.71	2.17	2.53	3.14
9 Warden and M. W. Margan and	mon	EPS		0.14	0.30	0.38	0.76	0.61	0.71	0.88
09/17 11/17 01/18 03/18 05/18	07/18	FFOPS I		0.24	0.54	0.73	0.97	1.15	1.37	1.62
DEFAMA General Standard (normalise		DPS		0.10	0.20	0.34	0.42	0.50	0.59	0.69
	iu)	Dividend Yield		n.a.	3.8 %	3.8 %	3.4 %	4.1 %	4.8 %	5.9 %
Rel. Performance vs General		Book Value / Share		2.57	3.00	3.18	3.53	3.64	3.76	3.96
1 month:	2.0 %	EPRA NAVPS		3.26	5.10	7.60	10.52	11.18	13.58	21.13
	25.9 %	P/E		n.a.	17.2 x	23.2 x	16.1 x	20.1 x	17.3 x	13.1 x
6 months:		Price / Book		n.a.	1.4 x	2.8 x	3.5 x	3.4 x	3.3 x	2.9 x
Year to date:	19.5 %	P / NAVPS		n.a.	1.0 x	1.2 x	1.2 x	1.1 x	0.9 x	0.5 x
Trailing 12 months:	32.6 %	FFO I-Yield		n.a.	10.4 %	8.2 %	7.9 %	9.3 %	11.2 %	13.9 %
0		ROE		n.a.	10.9 %	12.4 %	22.8 %	17.1 %	19.3 %	22.9 %
Company events:		LTV		59.7 %	56.0 %	61.1 %	63.4 %	65.4 %	67.1 %	68.5 %
		Equity Ratio		31.6 %	32.0 %	20.5 %	18.5 %	15.8 %	13.9 %	12.7 %
		Guidance:	2018e: FFO o	of EUR >3.2m	n, EPS (HGB)) of EUR >0.4	19 +one-off fr	om JV Rade	of 0.25	





2017 EPRA NAVPS

- Founded in 2014 and headquartered in Berlin, DEFAMA focuses on the acquisition, ownership and management of retail parks in German small and medium-sized cities, predominantly in Northern and Eastern Germany.
- The investment strategy is to "buy and hold" assets with high occupancy and minor capex needs for a maximum purchase price of 9x annual rent.
- Investment volumes are EUR 1 5 million per asset. Anchor tenants are nationwide retailers.

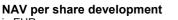
Competitive Quality

- Real estate competence: founder, major shareholder and CEO Matthias Schrade, previously oversaw as a board member responsible for acquisitions for a non-listed real estate company based in Munich.
- Unique focus: the company competes for assets that are too large for individual investors and too small for institutional investors and can "buy low".
- Strong access to local public banks networks, for whom real estate financings for DEFAMA projects are large and important deals. They in turn know smaller tenants well.
- Focus on leading centers in smaller cities ("big fish in a small pond").









in EUR

10.00

9.00

8.00

7.00

6.00

5.00

4.00

3.00

2.00

1.00

0.00

Source: Warburg Research

DEFAMA Deutsche Fachmarkt AG



Valuation							
	2015	2016	2017	2018e	2019e	2020e	2021e
P/E	n.a.	17.2 x	23.2 x	16.1 x	20.1 x	17.3 x	13.1 x
P / NAVPS	n.a.	1.0 x	1.2 x	1.2 x	1.1 x	0.9 x	0.5 x
Price / Book	n.a.	1.4 x	2.8 x	3.5 x	3.4 x	3.3 x	2.9 x
P / FFOPS I	n.a.	9.6 x	12.2 x	12.6 x	10.7 x	9.0 x	7.2 x
FFO I-Yield	n.a.	10.4 %	8.2 %	7.9 %	9.3 %	11.2 %	13.9 %
ROE	n.a.	10.9 %	12.4 %	22.8 %	17.1 %	19.3 %	22.9 %
Equity Ratio	32 %	32 %	21 %	19 %	16 %	14 %	13 %
Company Specific Items							
	2015	2016	2017	2018e	2019e	2020e	2021e
NAV/Share	3.26	5.10	9.09	10.52	11.18	13.58	21.13
Vacancy Rate	2.5 %	2.7 %	2.7 %	3.5 %	3.0 %	3.0 %	3.0 %



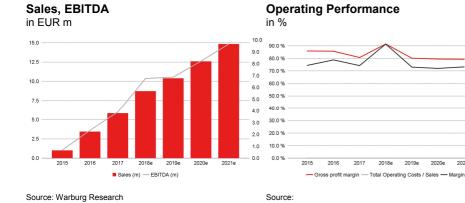
Consolidated profit and loss

Consolidated profit and loss							
In EUR m	2015	2016	2017	2018e	2019e	2020e	2021e
Total Sales	1.01	3.44	5.83	8.73	10.40	12.59	14.83
Rental income	1.01	3.44	5.83	8.73	10.40	12.59	14.83
Change yoy	n.a.	240.6 %	69.5 %	49.8 %	19.1 %	21.0 %	17.8 %
Property operating costs	0.15	0.60	1.24	1.86	2.18	2.71	3.19
Property management costs	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rental profit	0.86	2.84	4.58	6.87	8.22	9.88	11.64
Income from property sales	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Other revenues	0.00	0.11	0.12	0.12	0.12	0.12	0.12
Gross profit	0.87	2.95	4.70	7.99	8.34	10.00	11.76
Administration expenses	0.12	0.38	0.35	0.52	0.52	0.76	0.89
Personnel expenses	0.05	0.20	0.47	0.72	0.85	1.03	1.22
Other operating income/expenses	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unfrequent items	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
EBITDA	0.69	2.36	3.89	6.75	6.86	8.21	9.66
Valuation result	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Depreciation of fixed assets	-0.23	0.69	1.22	1.83	2.18	2.63	2.97
EBITA	0.46	1.67	2.67	4.92	4.68	5.58	6.69
Amortisation of intangible assets/Goodwill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EBIT	0.46	1.67	2.67	4.92	4.68	5.58	6.69
Interest income	0.01	0.00	0.00	0.00	0.10	0.10	0.10
Interest expenses	0.11	0.56	0.90	1.25	1.60	1.93	2.27
Other financial income (loss)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Financial result	-0.11	-0.56	-0.90	-1.25	-1.60	-1.93	-2.27
EBT	0.36	1.11	1.77	3.67	3.09	3.65	4.42
Margin	35.4 %	32.2 %	30.4 %	42.0 %	29.7 %	29.0 %	29.8 %
Total taxes	-0.06	-0.22	-0.41	-0.77	-0.65	-0.65	-0.65
thereof cash taxes	-0.06	-0.22	-0.41	-0.77	-0.65	-0.77	-0.93
Net income from continuing operations	0.30	0.89	1.36	2.90	2.44	2.88	3.49
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	0.30	0.89	1.36	2.90	2.44	2.88	3.49
Minority interest	0.00	0.00	0.00	0.18	0.27	0.35	0.35
Net income	0.30	0.89	1.36	2.71	2.17	2.53	3.14
Number of shares, average	2.16	2.92	3.55	3.55	3.55	3.55	3.55
FFO (II)	0.53	1.59	2.58	3.45	4.06	4.87	5.74
FFO I-margin	52.2 %	46.2 %	44.3 %	39.6 %	39.1 %	38.7 %	38.7 %
FFOPS I	0.24	0.54	0.73	0.97	1.15	1.37	1.62
EPS	0.14	0.30	0.38	0.76	0.61	0.71	0.88
EPS adj.	0.14	0.30	0.38	0.48	0.61	0.71	0.88
*Adjustments made for:							

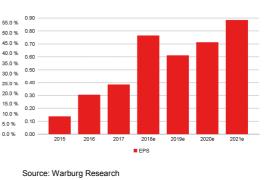
Guidance: 2018e: FFO of EUR >3.2m, EPS (HGB) of EUR >0.49 +one-off from JV Rade. of 0.25

Financial Ratios

	2015	2016	2017	2018e	2019e	2020e	2021e
Property operating costs / Rental Income	14.4 %	17.3 %	21.4 %	21.4 %	21.0 %	21.5 %	21.5 %
Operating Leverage (Real Estate)	n.a.	1.3 x	2.3 x	2.7 x	6.1 x	5.7 x	6.6 x
Rental profit / interest expenses	7.5 x	5.1 x	5.1 x	5.5 x	5.1 x	5.1 x	5.1 x



Performance per Share



COMMENT

20216

2019e

2020e

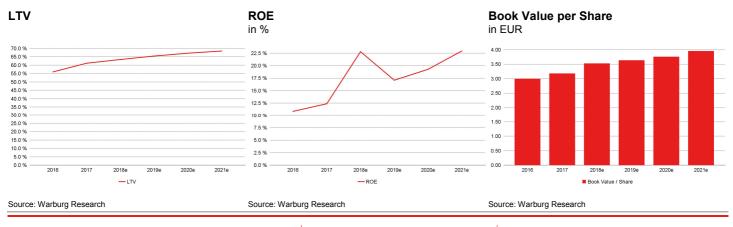


Consolidated balance sheet

In EUR m	2015	2016	2017	2018e	2019e	2020e	2021e
	2013	2010	2017	20100	20136	20206	20216
Assets							
Goodwill and other intangible assets	0.00	0.01	0.01	0.01	0.01	0.00	0.00
thereof other intangible assets	0.00	0.00	0.00	0.00	0.00	0.00	0.00
thereof Goodwill	0.00	0.01	0.01	0.01	0.01	0.00	0.00
Property, plant and equipment	0.00	0.03	0.03	0.04	0.04	0.04	0.04
Investment properties	14.23	31.41	51.96	65.63	80.95	95.82	110.35
Financial assets	0.04	0.05	0.24	0.24	0.24	0.24	0.24
Other long-term assets	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fixed assets	14.28	31.50	52.24	65.91	81.24	96.10	110.63
Inventories	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Accounts receivable	0.04	0.12	0.22	0.22	0.00	0.22	0.22
Liquid assets	3.71	1.46	2.49	2.61	1.39	0.91	1.28
Other short-term assets	0.08	0.17	0.46	0.46	0.68	0.46	0.46
Current assets	3.83	1.75	3.17	3.29	2.08	1.59	1.96
Total Assets	18.10	33.25	55.41	69.21	83.31	97.70	112.60
Liabilities and shareholders' equity							
Subscribed capital	2.23	3.55	3.55	3.55	3.55	3.55	3.55
Capital reserve	2.21	6.15	6.15	6.15	6.15	6.15	6.15
Retained earnings	1.28	0.94	1.59	2.82	3.20	3.64	4.34
Other equity components	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Shareholders' equity	5.72	10.64	11.29	12.51	12.90	13.33	14.03
Minority interest	0.00	0.00	0.10	0.29	0.29	0.29	0.29
Provisions	0.06	0.20	0.36	0.36	0.36	0.36	0.36
thereof provisions for pensions and similar obligations	0.03	0.10	0.18	0.18	0.18	0.18	0.18
Financial liabilities (total)	12.24	20.83	43.07	57.23	70.55	84.07	97.77
thereof short-term financial liabilities	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Accounts payable	0.02	0.08	0.19	0.19	0.19	0.19	0.19
Other liabilities	0.07	1.51	0.51	-1.09	-0.68	-0.25	0.25
Liabilities	12.38	22.61	44.13	56.69	70.41	84.36	98.57
Total liabilities and shareholders' equity	18.10	33.25	55.41	69.21	83.31	97.70	112.60

Financial Ratios

	2015	2016	2017	2018e	2019e	2020e	2021e
Return on Capital							
ROA	n.a.	3.5 %	3.1 %	4.4 %	2.8 %	2.8 %	3.0 %
ROE	n.a.	10.9 %	12.4 %	22.8 %	17.1 %	19.3 %	22.9 %
FFO I / Equity	n.a.	0.2 x	0.2 x	0.3 x	0.3 x	0.4 x	0.4 x
Solvency							
Net Debt	8.56	19.46	40.76	54.80	69.33	83.33	96.67
Net Financial Debt	8.53	19.37	40.58	54.62	69.16	83.15	96.49
Net Fin. Debt / EBITDA	12.3 x	8.2 x	10.4 x	8.1 x	10.1 x	10.1 x	10.0 x
LTV	59.7 %	56.0 %	61.1 %	63.4 %	65.4 %	67.1 %	68.5 %
Equity Ratio	31.6 %	32.0 %	20.5 %	18.5 %	15.8 %	13.9 %	12.7 %



Consolidated cash flow statement

In EUR m	2015	2016	2017	2018e	2019e	2020e	2021e
Net income	0.30	0.89	1.36	2.71	2.17	2.53	3.14
Valuation changes properties	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Depreciation of fixed assets	-0.23	0.69	1.22	1.83	2.18	2.63	2.97
Amortisation of goodwill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Amortisation of intangible assets	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Increase/decrease in long-term provisions	0.00	0.07	0.08	0.00	0.00	0.00	0.00
Deferred taxes	0.00	0.07	0.28	0.12	0.10	0.13	0.15
Other non-cash income and expenses	n.a.	1.49	-1.30	0.00	0.00	0.00	0.00
Cash Flow before NWC change	n.a.	3.21	1.64	3.66	4.45	5.29	6.26
Increase / decrease in inventory	n.a.	0.00	0.00	0.00	0.00	0.00	0.00
Increase / decrease in accounts receivable	n.a.	0.00	0.00	0.00	0.00	0.00	0.00
Increase / decrease in accounts payable	n.a.	0.06	0.11	0.00	0.00	0.00	0.00
Increase / decrease in other working capital positions	n.a.	-0.14	-0.29	0.00	0.00	0.00	0.00
Increase / decrease in working capital (total)	n.a.	1.41	-1.48	0.00	0.00	0.00	0.00
Net cash provided by operating activities [1]	0.36	1.65	1.36	4.66	4.45	5.29	6.26
Investments in properties	n.a.	-17.92	-15.89	-17.50	-17.50	-17.50	-17.50
Income from asset disposals	n.a.	0.00	0.00	0.00	0.00	0.00	0.00
Investments in intangible assets	n.a.	0.00	0.00	0.00	0.00	0.00	0.00
Payments for acquisitions	n.a.	0.00	0.00	0.00	0.00	0.00	0.00
Financial investments	n.a.	0.00	0.00	0.00	0.00	0.00	0.00
Investments in other assets (net)	n.a.	0.00	0.00	0.00	0.00	0.00	0.00
Net cash provided by investing activities [2]	-14.32	-17.92	-15.89	-17.50	-17.50	-17.50	-17.50
Change in financial liabilities	n.a.	8.59	22.24	14.17	13.32	13.52	13.71
Dividends paid	n.a.	0.22	-0.58	-1.21	-1.49	-1.79	-2.09
Purchase of own shares	n.a.	0.00	0.00	0.00	0.00	0.00	0.00
Capital measures	n.a.	1.32	0.00	0.00	0.00	0.00	0.00
Other	n.a.	0.00	0.00	0.00	0.00	0.00	0.00
Net cash provided by financing activities [3]	3.71	14.02	21.63	12.96	11.83	11.73	11.61
Change in liquid funds [1]+[2]+[3]	n.a.	-2.25	7.09	0.12	-1.22	-0.48	0.37
Effects of exchange-rate changes on cash	n.a.	0.00	0.00	0.00	0.00	0.00	0.00
Cash and cash equivalent at end of period	n.a.	1.46	8.56	8.68	7.46	6.98	7.35

Financial Ratios							
	2015	2016	2017	2018e	2019e	2020e	2021e
Cash Flow							
FFO (II)	0.53	1.59	2.58	3.45	4.06	4.87	5.74
FFOPS I	0.24	0.54	0.73	0.97	1.15	1.37	1.62
FFOPS I diluted	0.24	0.45	0.73	0.97	1.15	1.37	1.62
FFO I-Yield	n.a.	10.4 %	8.2 %	7.9 %	9.3 %	11.2 %	13.9 %
FFO I-margin	52.2 %	46.2 %	44.3 %	39.6 %	39.1 %	38.7 %	38.7 %
Interest Paid / Avg. Debt	n.a.	3.4 %	2.8 %	2.5 %	2.5 %	2.5 %	2.5 %
Management of Funds							
Capex/Investment Properties	n.a.	-57.0 %	-30.6 %	-26.7 %	-21.6 %	-18.3 %	-15.9 %
Avg. Working Capital / Sales	n.a.	0.9 %	0.7 %	0.4 %	-0.7 %	-0.6 %	0.2 %
Dividend Payout Ratio	72.8 %	65.7 %	88.6 %	51.3 %	73.3 %	72.6 %	69.9 %

FFO



LEGAL DISCLAIMER

This research report ("investment recommendation") was prepared by the Warburg Research GmbH, a fully owned subsidiary of the M.M.Warburg & CO (AG & Co.) KGaA and is passed on by the M.M.Warburg & CO (AG & Co.) KGaA. It is intended solely for the recipient and may not be passed on to another company without their prior consent, regardless of whether the company is part of the same corporation or not. It contains selected information and does not purport to be complete. The investment recommendation is based on publicly available information and data ("information") believed to be accurate and complete. Warburg Research GmbH neither examines the information for accuracy and completeness, nor guarantees its accuracy and completeness. Possible errors or incompleteness of the information do not constitute grounds for liability of M.M.Warburg & CO (AG & Co.) KGaA or Warburg Research GmbH for damages of any kind whatsoever, and M.M.Warburg & CO (AG & Co.) KGaA and Warburg Research GmbH are not liable for indirect and/or direct and/or consequential damages. In particular, neither M.M.Warburg & CO (AG & Co.) KGaA nor Warburg Research GmbH are liable for the statements, plans or other details contained in these investment recommendations concerning the examined companies, their affiliated companies, strategies, economic situations, market and competitive situations, regulatory environment, etc. Although due care has been taken in compiling this investment recommendation, it cannot be excluded that it is incomplete or contains errors. M.M.Warburg & CO (AG & Co.) KGaA and Warburg Research GmbH, their shareholders and employees are not liable for the accuracy and completeness of the statements, estimations and the conclusions derived from the information contained in this investment recommendation. Provided a investment recommendation is being transmitted in connection with an existing contractual relationship, i.e. financial advisory or similar services, the liability of M.M.Warburg & CO (AG & Co.) KGaA and Warburg Research GmbH shall be restricted to gross negligence and wilful misconduct. In case of failure in essential tasks, M.M.Warburg & CO (AG & Co.) KGaA and Warburg Research GmbH are liable for normal negligence. In any case, the liability of M.M.Warburg & CO (AG & Co.) KGaA and Warburg Research GmbH is limited to typical, expectable damages. This investment recommendation does not constitute an offer or a solicitation of an offer for the purchase or sale of any security. Partners, directors or employees of M.M.Warburg & CO (AG & Co.) KGaA, Warburg Research GmbH or affiliated companies may serve in a position of responsibility, i.e. on the board of directors of companies mentioned in the report. Opinions expressed in this investment recommendation are subject to change without notice. All rights reserved.

COPYRIGHT NOTICE

This work including all its parts is protected by copyright. Any use beyond the limits provided by copyright law without permission is prohibited and punishable. This applies, in particular, to reproductions, translations, microfilming, and storage and processing on electronic media of the entire content or parts thereof.

DISCLOSURE ACCORDING TO §85 OF THE GERMAN SECURITIES TRADING ACT (WHPG), MAR AND MIFID II INCL. COMMISSION DELEGATED REGULATION (EU) 2016/958 AND (EU) 2017/565

The valuation underlying the investment recommendation for the company analysed here is based on generally accepted and widely used methods of fundamental analysis, such as e.g. DCF Model, Free Cash Flow Potential, Peer Group Comparison or Sum of the Parts Model (see also <u>http://www.mmwarburg.de/disclaimer/disclaimer.htm#Valuation</u>). The result of this fundamental valuation is modified to take into consideration the analyst's assessment as regards the expected development of investor sentiment and its impact on the share price.

Independent of the applied valuation methods, there is the risk that the price target will not be met, for instance because of unforeseen changes in demand for the company's products, changes in management, technology, economic development, interest rate development, operating and/or material costs, competitive pressure, supervisory law, exchange rate, tax rate etc. For investments in foreign markets and instruments there are further risks, generally based on exchange rate changes or changes in political and social conditions.

This commentary reflects the opinion of the relevant author at the point in time of its compilation. A change in the fundamental factors underlying the valuation can mean that the valuation is subsequently no longer accurate. Whether, or in what time frame, an update of this commentary follows is not determined in advance.

Additional internal and organisational arrangements to prevent or to deal with conflicts of interest have been implemented. Among these are the spatial separation of Warburg Research GmbH from M.M.Warburg & CO (AG & Co.) KGaA and the creation of areas of confidentiality. This prevents the exchange of information, which could form the basis of conflicts of interest for Warburg Research in terms of the analysed issuers or their financial instruments.

The analysts of Warburg Research GmbH do not receive a gratuity – directly or indirectly – from the investment banking activities of M.M.Warburg & CO (AG & Co.) KGaA or of any company within the Warburg-Group.

All prices of financial instruments given in this investment recommendation are the closing prices on the last stock-market trading day before the publication date stated, unless another point in time is explicitly stated.

M.M.Warburg & CO (AG & Co.) KGaA and Warburg Research GmbH are subject to the supervision of the Federal Financial Supervisory Authority, BaFin. M.M.Warburg & CO (AG & Co.) KGaA is additionally subject to the supervision of the European Central Bank (ECB).

SOURCES

All data and consensus estimates have been obtained from FactSet except where stated otherwise.



Additional information for clients in the United States

1. This research report (the "Report") is a product of Warburg Research GmbH, Germany, a fully owned subsidiary of M.M.Warburg & CO (AG & Co.) KGaA, Germany (in the following collectively "Warburg"). Warburg is the employer of the research analyst(s), who have prepared the Report. The research analyst(s) reside outside the United States and are not associated persons of any U.S. regulated broker-dealer and therefore are not subject to the supervision of any U.S. regulated broker-dealer.

2. The Report is provided in the United States for distribution solely to "major U.S. institutional investors" under Rule 15a-6 of the U.S. Securities Exchange Act of 1934.

3. Any recipient of the Report should effect transactions in the securities discussed in the Report only through J.P.P. Euro-Securities, Inc., Delaware.

4. J.P.P. Euro-Securities, Inc. does not accept or receive any compensation of any kind for the dissemination of the research reports from Warburg.

Reference in accordance with section 85 of the German Securities Trading Act (WpHG) and Art. 20 MAR regarding possible conflicts of interest with companies analysed:

- -1- Warburg Research, or an affiliated company, or an employee of one of these companies responsible for the compilation of the research, hold a share of more than 5% of the equity capital of the analysed company.
- Warburg Research, or an affiliated company, within the last twelve months participated in the management of a consortium for an issue in
 -2- the course of a public offering of such financial instruments, which are, or the issuer of which is, the subject of the investment recommendation.
- -3- Companies affiliated with Warburg Research manage financial instruments, which are, or the issuers of which are, subject of the investment recommendation, in a market based on the provision of buy or sell contracts.

MMWB, Warburg Research, or an affiliated company, reached an agreement with the issuer to provide investment banking and/or investment services and the relevant agreement was in force in the last 12 months or there arose for this period, based on the relevant agreement, the obligation to provide or to receive a service or compensation - provided that this disclosure does not result in the disclosure of confidential business information.

- -5- The company compiling the analysis or an affiliated company had reached an **agreement on the compilation of the investment recommendation** with the analysed company.
- -6- Companies affiliated with Warburg Research regularly trade financial instruments of the analysed company or derivatives of these.
- -6a- Warburg Research, or an affiliated company, holds a **net long position of more than 0.5%** of the total issued share capital of the analysed company.
- -6b- Warburg Research, or an affiliated company, holds a **net short position of more than 0.5%** of the total issued share capital of the analysed company.
- -6c- The issuer holds shares of more than 5% of the total issued capital of Warburg Research or an affiliated company.
- -7- The company preparing the analysis as well as its affiliated companies and employees have other important interests in relation to the analysed company, such as, for example, the exercising of mandates at analysed companies.

Company	Disclosure	Link to the historical price targets and rating changes (last 12 months)
DEFAMA Deutsche Fachmarkt AG	5	http://www.mmwarburg.com/disclaimer/disclaimer_en/DE000A13SUL5.htm



INVESTMENT RECOMMENDATION

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.

-В-	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.
-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.

WARBURG RESEARCH GMBH - ANALYSED RESEARCH UNIVERSE BY RATING

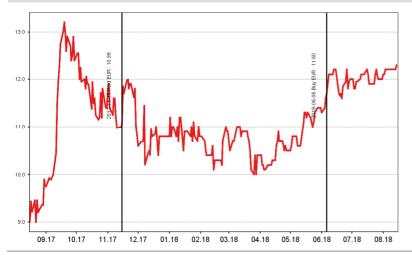
Rating	Number of stocks	% of Universe
Buy	111	54
Hold	90	44
Sell	4	2
Rating suspended	0	0
Total	205	100

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	31	66
Hold	16	34
Sell	0	0
Rating suspended	0	0
Total	47	100

PRICE AND RATING HISTORY DEFAMA DEUTSCHE FACHMARKT AG AS OF 15.08.2018



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.



EQUITIES			
Roland Rapelius Head of Equities	+49 40 3282-2673 rrapelius@mmwarburg.com		
RESEARCH			
Michael Heider Head of Research	+49 40 309537-280 mheider@warburg-research.com	Jochen Reichert Telco, Internet, Media	+49 40 309537-130 jreichert@warburg-research.com
Henner Rüschmeier Head of Research	+49 40 309537-270 hrueschmeier@warburg-research.com	J. Moritz Rieser Real Estate	+49 40 309537-260 mrieser@warburg-research.com
Jonas Blum Small/Mid Cap Research	+40 40 309537-240 jblum@warburg-research.com	Arash Roshan Zamir Cap. Goods, Renewables	+49 40 309537-155 aroshanzamir@warburg-research.com
Christian Cohrs Engineering, Logistics	+49 40 309537-175 ccohrs@warburg-research.com	Franz Schall Automobiles, Car Suppliers	+40 40 309537-230 fschall@warburg-research.com
Felix Ellmann Software, IT	+49 40 309537-120 fellmann@warburg-research.com	Malte Schaumann Technology	+49 40 309537-170 mschaumann@warburg-research.com
Jörg Philipp Frey Retail, Consumer Goods	+49 40 309537-258 jfrey@warburg-research.com	Patrick Schmidt Leisure, Internet	+49 40 309537-125 pschmidt@warburg-research.com
Marius Fuhrberg Financial Services	+49 40 309537-185 mfuhrberg@warburg-research.com	Oliver Schwarz Chemicals, Agriculture	+49 40 309537-250 oschwarz@warburg-research.com
Ulrich Huwald Health Care, Pharma	+49 40 309537-255 uhuwald@warburg-research.com	Marc-René Tonn Automobiles, Car Suppliers	+49 40 309537-259 mtonn@warburg-research.com
Thilo Kleibauer Retail, Consumer Goods	+49 40 309537-257 tkleibauer@warburg-research.com	Andreas Wolf Software, IT	+49 40 309537-140 awolf@warburg-research.com
Eggert Kuls Engineering	+49 40 309537-256 ekuls@warburg-research.com		
Andreas Pläsier Banks, Financial Services	+49 40 309537-246 aplaesier@warburg-research.com		
INSTITUTIONAL EQU	ITY SALES		
Holger Nass	+49 40 3282-2669	Sanjay Oberoi	+49 69 5050-7410
Head of Equity Sales, USA	hnass@mmwarburg.com	United Kingdom	soberoi@mmwarburg.com
Klaus Schilling Dep. Head of Equity Sales, GER	+49 40 3282-2664 kschilling@mmwarburg.com	Simon Pallhuber Switzerland, France	+49 69 5050-7414 spallhuber@mmwarburg.com
Tim Beckmann	+49 40 3282-2665	Switzenand, France	spainuber@mmwarburg.com
United Kingdom	tbeckmann@mmwarburg.com		
Lyubka Bogdanova	+49 69 5050-7411		
United Kingdom, Australia	lbogdanova@mmwarburg.com		
Jens Buchmüller	+49 69 5050-7415		
Scandinavia, Austria	jbuchmueller@mmwarburg.com		
Matthias Fritsch	+49 40 3282-2696	Angelika Flegler Roadshow/Marketing	+49 69 5050-7417
United Kingdom Michael Kriszun	mfritsch@mmwarburg.com +49 40 3282-2695	Juliane Willenbruch	aflegler@mmwarburg.com +49 40 3282-2694
United Kingdom	mkriszun@mmwarburg.com	Roadshow/Marketing	jwillenbruch@mmwarburg.com
SALES TRADING			
Oliver Merckel	+49 40 3282-2634	Bastian Quast	+49 40 3282-2701
Head of Sales Trading	omerckel@mmwarburg.com	Sales Trading	bquast@mmwarburg.com
Elyaz Dust	+49 40 3282-2702	Jörg Treptow	+49 40 3282-2658
Sales Trading	edust@mmwarburg.com	Sales Trading	jtreptow@mmwarburg.com
Michael Ilgenstein Sales Trading	+49 40 3282-2700 milgenstein@mmwarburg.com	Jan Walter Sales Trading	+49 40 3282-2662 jwalter@mmwarburg.com
MACRO RESEARCH			
Carsten Klude Macro Research	+49 40 3282-2572 cklude@mmwarburg.com	Dr. Christian Jasperneite Investment Strategy	+49 40 3282-2439 cjasperneite@mmwarburg.com
Our research can be	found under:		
Warburg Research	research.mmwarburg.com/en/index.html	Thomson Reuters	www.thomsonreuters.com
Bloomberg	MMWA GO	Capital IQ	www.capitaliq.com
FactSet	www.factset.com		
For access please conta	act:		
Andrea Schaper	+49 40 3282-2632	Kerstin Muthig	+49 40 3282-2703
Sales Assistance	aschaper@mmwarburg.com	Sales Assistance	kmuthig@mmwarburg.com