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Dung		Value Indicators:	EUR	Warburg ESG Risk Score:	2.3	Description:	
Buy		DCF:	19.55	` '	2.0	Online-Sport-Bettingprovide	er with a
00.00				Balance Sheet Score:	5.0	strong focus on horse racin	
EUR 20.00				Market Liquidity Score:	0.0	J	3
		Market Snapshot:	EUR m	Shareholders:		Key Figures (WRe):	202
		Market cap:	62.3	Freefloat	58.80 %	Beta:	1
Price	EUR 14.40	No. of shares (m):	4.3	Management	8.90 %	Price / Book:	3.8
Upside	38.9 %	EV:	47.3	Tullina AG	7.50 %	Equity Ratio:	49
		Freefloat MC:	36.6	dicons AG	7.10 %		
		Ø Trad. Vol. (30d):	17.55 th	Weiss media	6.90 %		

Strong core business; Ambitious goals

Stated Figures	Q1/2022) .					
in EUR m	Q1/22	Q1/22e	Q1/21	yoy	2022e	2021	yoy
Sales	5.0	3.0	3.9	26.3%	20.0	12.7	57.1%
EBIT	0.7	0.3	8.0	-9.1%	-2.7	-0.6	359.6%
margin	14.7%	10.0%	20.5%		-13.5%	-4.6%	

Comment on Figures:

- On May 16, 2022, pferdewetten.de AG presented the business figures for the first quarter of 2022.
- Considering the high costs of building up the retail business, these were well above expectations as the horse betting business was very strong. As expected, the sports betting business was characterized by costs for the development of the retail channel.
- Gross gaming revenue (GGR), i.e. betting stakes less customer betting winnings plus commission income received, fell by 11% from EUR 10.7m (Q1 2021) to EUR 9.5m in the first quarter of 2022, mainly owing to more targeted use of bonus payments in the area of customer care.

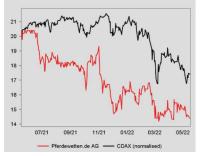
In Q1 2022 the company generated earnings before interest and taxes (EBIT) of EUR 730k (Q1/21 EUR 803k). The horse betting segment was very strong in the first quarter and delivered the second-best quarterly result in the company's history with an EBIT of EUR 1.9m (Q1/21 1.8m). At the same time, the focus was on the development of new product features, which are expected to meet the high demand from the end of the third quarter and thus boost growth, especially in the service sector. Both the German domestic market and planned international cooperation play a major role. As expected, the consolidated result in the sports betting segment was clearly negative and was EUR -1.2m (Q1/21 -1.0m) in the first quarter of 2022.

The sports betting segment was essentially characterized by the preparation and significant investment in the development and launch of the retail business, which will also be accompanied by a platform change for the online product at the beginning of June 2022. The process of opening the first shops is in full swing. Against the background of the strong first quarter, expectations for the current year have been raised slightly. Together with a rollover of the model and an increase in the risk-free interest rates in the models of the Warburg universe, the price target remains unchanged at EUR 20. The share continues to be rated Buy.

Changes in E	Changes in Estimates:													
FY End: 31.12. in EUR m	2022e (old)	+/-	2023e (old)	+/-	2024e (old)	+/-								
Sales EBIT	20.0 -3.5	0.0 % n.m.	40.0 -1.0	0.0 %	50.0 -0.8	0.0 % 0.0 %								

Comment on Changes:

- The strong first quarter provides the basis for slightly lower loss expectations for the current year.
- In the model (DCF), however, this does not have a positive effect despite the rollover, since an increase in the assumption of risk-free interest rates has a negative effect on the entire Warburg universe.



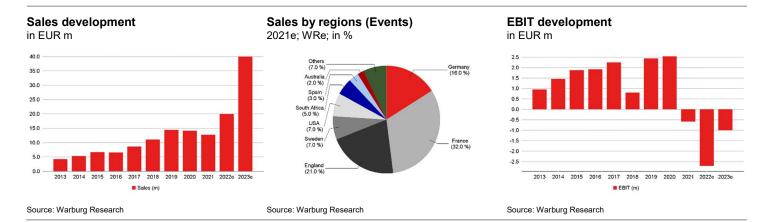
Rel. Performance vs CDAX:	
1 month:	-2.1 %
6 months:	5.9 %
Year to date:	5.6 %
Trailing 12 months:	-13.1 %

Company events:

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FY End: 31.12. in EUR m	CAGR (21-24e)	2018	2019	2020	2021	2022e	2023e	2024e
Sales	57.8 %	11.1	14.4	14.2	12.7	20.0	40.0	50.0
Change Sales yoy		28.3 %	30.2 %	-1.8 %	-10.2 %	57.1 %	100.0 %	25.0 %
Gross profit margin		56.4 %	57.0 %	61.9 %	53.1 %	52.5 %	40.0 %	40.0 %
EBITDA	-	1.2	3.0	3.0	0.0	-1.7	0.0	0.3
Margin		10.5 %	21.0 %	21.4 %	-0.1 %	-8.5 %	0.0 %	0.5 %
EBIT	-	0.8	2.4	2.5	-0.6	-2.7	-1.0	-0.8
Margin		7.2 %	16.9 %	17.9 %	-4.6 %	-13.5 %	-2.5 %	-1.5 %
Net income	-	-0.5	3.3	1.5	-0.2	-0.7	0.0	0.2
EPS	-	-0.11	0.77	0.34	-0.04	-0.14	0.00	0.04
EPS adj.	-	-0.11	0.77	0.34	-0.04	-0.14	0.00	0.04
DPS	24.4 %	0.16	0.20	0.26	0.26	0.00	0.00	0.50
Dividend Yield		1.5 %	1.9 %	2.5 %	1.5 %	n.a.	n.a.	3.5 %
FCFPS		0.44	0.94	0.36	0.46	-0.31	-0.02	0.00
FCF / Market cap		4.1 %	9.0 %	3.4 %	2.7 %	-2.1 %	-0.1 %	0.0 %
EV / Sales		3.5 x	2.4 x	2.4 x	5.0 x	2.7 x	1.3 x	1.1 x
EV / EBITDA		33.0 x	11.5 x	11.2 x	n.a.	n.a.	n.a.	215.8 x
EV / EBIT		47.8 x	14.3 x	13.4 x	n.a.	n.a.	n.a.	n.a.
P/E		n.a.	13.6 x	31.0 x	n.a.	n.a.	n.a.	360.0 x
P / E adj.		n.a.	13.6 x	31.0 x	n.a.	n.a.	n.a.	360.0 x
FCF Potential Yield		-0.6 %	10.9 %	5.4 %	0.3 %	-2.2 %	0.4 %	0.7 %
Net Debt		-8.3	-10.4	-11.6	-12.6	-15.0	-14.9	-14.9
ROCE (NOPAT)		n.a.	63.6 %	24.7 %	n.a.	n.a.	n.a.	n.a.
Guidance:	2022: EBIT EU	JR -2.5m to -	3.5m					



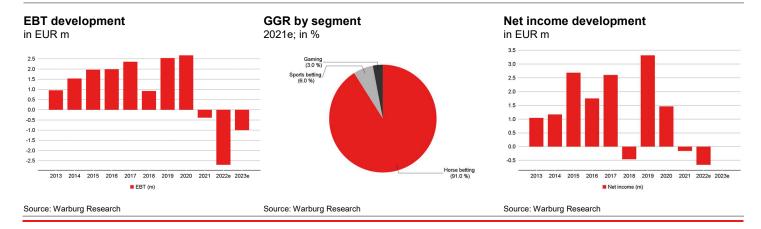


Company Background

- Pferdewetten.de is a online betting provider with a strong focus on horse racing and is one of the top 2 providers in Germany.
- In May 2017 the Board announced the reentering of the sportsbetting market with Pferdewetten's two platforms sportwetten.de and sportwetten.com

Competitive Quality

- Pferdewetten.de AG has a very good positioning in the niche market for horse betting and has valuable market know-how thanks to its own bookmaker software.
- The company has an active and loyal customer base in the horse betting sector.
- Based on this leading position, the company is entering the sports betting sector (online and stationary).





DCF model														
	Detaile	d forecas	t period				7	ransition	al period					Term. Value
Figures in EUR m	2022e	2023e	2024e	2025e	2026e	2027e	2028e	2029e	2030e	2031e	2032e	2033e	2034e	
Sales	20.0	40.0	50.0	62.5	75.0	81.8	88.3	95.4	102.0	108.1	113.6	118.1	121.6	
Sales change	57.1 %	100.0 %	25.0 %	25.0 %	20.0 %	9.0 %	8.0 %	8.0 %	7.0 %	6.0 %	5.0 %	4.0 %	3.0 %	2.0 %
EBIT	-2.7	-1.0	-0.8	3.1	7.5	12.3	13.2	14.3	15.3	16.2	17.0	17.7	18.2	
EBIT-margin	-13.5 %	-2.5 %	-1.5 %	5.0 %	10.0 %	15.0 %	15.0 %	15.0 %	15.0 %	15.0 %	15.0 %	15.0 %	15.0 %	
Tax rate (EBT)	20.0 %	20.0 %	20.0 %	20.0 %	20.0 %	20.0 %	20.0 %	20.0 %	20.0 %	20.0 %	20.0 %	20.0 %	20.0 %	
NOPAT	-2.2	-0.8	-0.6	2.5	6.0	9.8	10.6	11.4	12.2	13.0	13.6	14.2	14.6	
Depreciation	1.0	1.0	1.0	1.6	1.9	2.0	2.2	2.4	2.6	2.7	2.8	3.0	3.0	
in % of Sales	5.0 %	2.5 %	2.0 %	2.5 %	2.5 %	2.5 %	2.5 %	2.5 %	2.5 %	2.5 %	2.5 %	2.5 %	2.5 %	
Changes in provisions	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Change in Liquidity from														
- Working Capital	-0.5	-0.3	-0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	
- Capex	0.8	0.6	0.6	1.6	1.9	2.0	2.2	2.4	2.6	2.7	2.8	3.0	3.0	
Capex in % of Sales	4.0 %	1.5 %	1.2 %	2.5 %	2.5 %	2.5 %	2.5 %	2.5 %	2.5 %	2.5 %	2.5 %	2.5 %	2.5 %	
- Other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Free Cash Flow (WACC Model)	-1.5	-0.1	0.0	2.3	5.8	9.6	10.4	11.3	12.1	12.9	13.6	14.1	14.6	15
PV of FCF	-1.4	-0.1	0.0	1.6	3.6	5.3	5.2	5.0	4.8	4.6	4.4	4.1	3.8	41
share of PVs		-1.79 %						51.60) %					50.19 %

Model parameter				Valuation (m)			
Derivation of WACC:		Derivation of Beta:		Present values 2034e	41		
				Terminal Value	41		
Debt ratio	0.00 %	Financial Strength	1.70	Financial liabilities	1		
Cost of debt (after tax)	3.5 %	Liquidity (share)	1.70	Pension liabilities	0		
Market return	7.50 %	Cyclicality	1.70	Hybrid capital	0		
Risk free rate	2.00 %	Transparency	1.70	Minority interest	15		
		Others	1.70	Market val. of investments	0		
				Liquidity	19	No. of shares (m)	4.3
WACC	11.35 %	Beta	1.70	Equity Value	85	Value per share (EUR)	19.55

Selis	ilivity va	iue per Sii	are (EUK)													
		Terminal (Growth								Delta EBIT	-margin					
Beta	WACC	1.25 %	1.50 %	1.75 %	2.00 %	2.25 %	2.50 %	2.75 %	Beta	WACC	-1.5 pp	-1.0 pp	-0.5 pp	+0.0 pp	+0.5 pp	+1.0 pp	+1.5 pp
1.88	12.4 %	16.51	16.67	16.85	17.03	17.22	17.42	17.63	1.88	12.4 %	14.97	15.65	16.34	17.03	17.71	18.40	19.09
1.79	11.9 %	17.62	17.81	18.01	18.22	18.44	18.68	18.92	1.79	11.9 %	16.03	16.76	17.49	18.22	18.95	19.68	20.40
1.75	11.6 %	18.21	18.42	18.64	18.86	19.11	19.36	19.63	1.75	11.6 %	16.61	17.36	18.11	18.86	19.62	20.37	21.12
1.70	11.4 %	18.84	19.06	19.30	19.55	19.81	20.08	20.38	1.70	11.4 %	17.22	18.00	18.77	19.55	20.32	21.10	21.87
1.65	11.1 %	19.51	19.75	20.00	20.27	20.55	20.85	21.17	1.65	11.1 %	17.87	18.67	19.47	20.27	21.07	21.87	22.67
1.61	10.9 %	20.21	20.47	20.75	21.04	21.35	21.67	22.02	1.61	10.9 %	18.56	19.39	20.21	21.04	21.86	22.69	23.51
1.52	10.4 %	21.73	22.04	22.37	22.72	23.09	23.48	23.89	1.52	10.4 %	20.07	20.95	21.83	22.72	23.60	24.48	25.37

[•] We anticipate strong sales growth as a result of entering the sports betting market.

pferdewetten.de



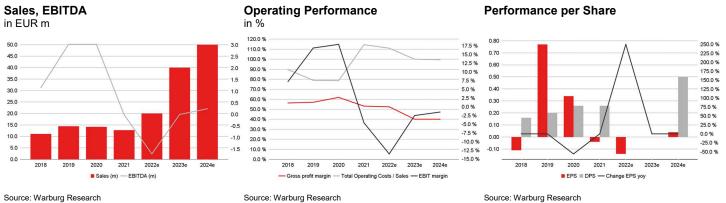
Valuation							
	2018	2019	2020	2021	2022e	2023e	2024e
Price / Book	3.6 x	2.9 x	2.6 x	4.7 x	3.8 x	4.0 x	4.1 x
Book value per share ex intangibles	2.31	3.04	3.49	2.77	2.99	2.93	2.91
EV / Sales	3.5 x	2.4 x	2.4 x	5.0 x	2.7 x	1.3 x	1.1 x
EV / EBITDA	33.0 x	11.5 x	11.2 x	n.a.	n.a.	n.a.	215.8 x
EV / EBIT	47.8 x	14.3 x	13.4 x	n.a.	n.a.	n.a.	n.a.
EV / EBIT adj.*	47.8 x	14.3 x	13.4 x	n.a.	n.a.	n.a.	n.a.
P / FCF	24.4 x	11.1 x	29.6 x	37.6 x	n.a.	n.a.	n.a.
P/E	n.a.	13.6 x	31.0 x	n.a.	n.a.	n.a.	360.0 x
P / E adj.*	n.a.	13.6 x	31.0 x	n.a.	n.a.	n.a.	360.0 x
Dividend Yield	1.5 %	1.9 %	2.5 %	1.5 %	n.a.	n.a.	3.5 %
FCF Potential Yield (on market EV)	-0.6 %	10.9 %	5.4 %	0.3 %	-2.2 %	0.4 %	0.7 %
*Adjustments made for: -							



Consolidated profit & loss							
In EUR m	2018	2019	2020	2021	2022e	2023e	2024e
Sales	11.1	14.4	14.2	12.7	20.0	40.0	50.0
Change Sales yoy	28.3 %	30.2 %	-1.8 %	-10.2 %	57.1 %	100.0 %	25.0 %
Increase / decrease in inventory	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Own work capitalised	0.0	0.0	0.0	1.8	0.5	0.0	0.0
Total Sales	11.1	14.4	14.2	14.6	20.5	40.0	50.0
Material expenses	4.8	6.2	5.4	7.8	10.0	24.0	30.0
Gross profit	6.2	8.2	8.8	6.8	10.5	16.0	20.0
Gross profit margin	56.4 %	57.0 %	61.9 %	53.1 %	52.5 %	40.0 %	40.0 %
Personnel expenses	3.1	3.3	3.7	4.6	6.6	7.6	9.5
Other operating income	0.3	0.4	0.5	0.9	1.0	1.2	1.5
Other operating expenses	2.3	2.4	2.6	3.0	6.6	9.6	11.8
Unfrequent items	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EBITDA	1.2	3.0	3.0	0.0	-1.7	0.0	0.3
Margin	10.5 %	21.0 %	21.4 %	-0.1 %	-8.5 %	0.0 %	0.5 %
Depreciation of fixed assets	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EBITA	1.2	3.0	3.0	0.0	-1.7	0.0	0.3
Amortisation of intangible assets	0.4	0.6	0.5	0.6	1.0	1.0	1.0
Goodwill amortisation	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EBIT	0.8	2.4	2.5	-0.6	-2.7	-1.0	-0.8
Margin	7.2 %	16.9 %	17.9 %	-4.6 %	-13.5 %	-2.5 %	-1.5 %
EBIT adj.	0.8	2.4	2.5	-0.6	-2.7	-1.0	-0.8
Interest income	0.1	0.2	0.1	0.2	0.0	0.0	0.0
Interest expenses	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other financial income (loss)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EBT	0.9	2.5	2.7	-0.4	-2.7	-1.0	-0.8
Margin	8.3 %	17.6 %	18.8 %	-3.1 %	-13.5 %	-2.5 %	-1.5 %
Total taxes	1.4	-0.8	1.2	-0.2	-0.5	-0.2	-0.2
Net income from continuing operations	-0.5	3.3	1.5	-0.2	-2.2	-0.8	-0.6
Income from discontinued operations (net of tax)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Net income before minorities	-0.5	3.3	1.5	-0.2	-2.2	-0.8	-0.6
Minority interest	0.0	0.0	0.0	0.0	-1.5	-0.8	-0.8
Net income	-0.5	3.3	1.5	-0.2	-0.7	0.0	0.2
Margin	-4.1 %	23.0 %	10.3 %	-1.2 %	-3.3 %	0.0 %	0.4 %
Number of shares, average	4.3	4.3	4.3	4.4	4.8	4.8	4.8
EPS	-0.11	0.77	0.34	-0.04	-0.14	0.00	0.04
EPS adj.	-0.11	0.77	0.34	-0.04	-0.14	0.00	0.04
*Adjustments made for:							

Guidance: 2022: EBIT EUR -2.5m to -3.5m

Financial Ratios							
	2018	2019	2020	2021	2022e	2023e	2024e
Total Operating Costs / Sales	89.5 %	79.0 %	78.6 %	114.5 %	111.0 %	100.0 %	99.5 %
Operating Leverage	-2.3 x	6.7 x	-2.3 x	n.a.	6.3 x	-0.6 x	-1.0 x
EBITDA / Interest expenses	n.a.	178.3 x	189.4 x	n.m.	n.a.	n.a.	n.a.
Tax rate (EBT)	149.6 %	-30.5 %	45.3 %	59.6 %	20.0 %	20.0 %	20.0 %
Dividend Payout Ratio	n.m.	26.1 %	77.0 %	n.m.	0.0 %	0.0 %	n.m.
Sales per Employee	263,929	335,744	329,605	296,000	465,116	930,233	1,162,791

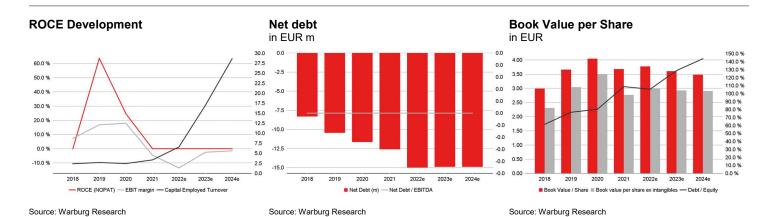


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Consolidated balance sheet							
In EUR m	2018	2019	2020	2021	2022e	2023e	2024e
Assets							
Goodwill and other intangible assets	3.0	2.7	2.4	4.1	3.8	3.3	2.8
thereof other intangible assets	0.0	0.0	0.0	0.0	0.0	0.0	0.0
thereof Goodwill	1.3	1.3	1.3	0.0	0.0	0.0	0.0
Property, plant and equipment	0.3	1.3	1.2	1.5	1.6	1.7	1.8
Financial assets	5.5	5.9	8.2	5.6	5.6	5.6	5.6
Other long-term assets	0.5	0.5	0.5	1.0	1.0	1.0	1.0
Fixed assets	9.3	10.4	12.3	12.1	11.9	11.5	11.1
Inventories	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Accounts receivable	1.0	2.1	2.3	2.3	3.0	5.9	7.4
Liquid assets	8.3	11.4	12.5	13.8	16.2	16.1	16.1
Other short-term assets	2.3	4.2	4.4	6.0	6.0	6.0	6.0
Current assets	11.6	17.7	19.2	22.1	25.2	28.0	29.5
Total Assets	20.9	28.0	31.5	34.2	37.1	39.5	40.6
Liabilities and shareholders' equity							
Subscribed capital	4.3	4.3	4.3	4.5	4.8	4.8	4.8
Capital reserve	2.2	2.2	2.2	3.2	8.0	8.0	8.0
Retained earnings	6.0	8.7	9.3	8.0	6.0	6.0	6.2
Other equity components	0.3	0.6	1.7	8.0	-0.7	-1.5	-2.3
Shareholders' equity	12.9	15.8	17.5	16.4	18.0	17.2	16.6
Minority interest	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total equity	12.9	15.8	17.5	16.4	18.0	17.2	16.6
Provisions	0.1	0.0	0.0	0.0	0.0	0.0	0.0
thereof provisions for pensions and similar obligations	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Financial liabilities (total)	0.0	1.0	8.0	1.2	1.2	1.2	1.2
Short-term financial liabilities	0.0	0.2	0.2	0.3	0.3	0.3	0.3
Accounts payable	1.2	2.1	2.8	2.1	3.3	6.5	8.2
Other liabilities	6.7	9.1	10.4	14.5	14.5	14.5	14.5
Liabilities	8.0	12.1	14.0	17.8	19.0	22.2	23.9
Total liabilities and shareholders' equity	20.9	28.0	31.5	34.2	37.1	39.5	40.6

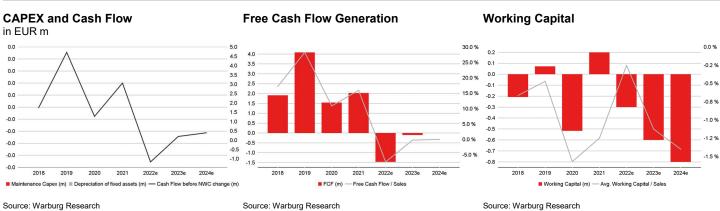
Financial Ratios							
	2018	2019	2020	2021	2022e	2023e	2024e
Efficiency of Capital Employment							
Operating Assets Turnover	79.2 x	10.5 x	22.4 x	7.6 x	15.7 x	37.3 x	51.4 x
Capital Employed Turnover	2.4 x	2.7 x	2.4 x	3.4 x	6.6 x	17.1 x	28.6 x
ROA	-4.9 %	31.9 %	11.9 %	-1.3 %	-5.5 %	0.0 %	1.8 %
Return on Capital							
ROCE (NOPAT)	n.a.	63.6 %	24.7 %	n.a.	n.a.	n.a.	n.a.
ROE	-3.4 %	23.0 %	8.8 %	-0.9 %	-3.8 %	0.0 %	1.2 %
Adj. ROE	-3.4 %	23.0 %	8.8 %	-0.9 %	-3.8 %	0.0 %	1.2 %
Balance sheet quality							
Net Debt	-8.3	-10.4	-11.6	-12.6	-15.0	-14.9	-14.9
Net Financial Debt	-8.3	-10.4	-11.6	-12.6	-15.0	-14.9	-14.9
Net Gearing	-64.3 %	-66.0 %	-66.6 %	<i>-</i> 77.0 %	-83.1 %	-86.4 %	-89.5 %
Net Fin. Debt / EBITDA	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Book Value / Share	3.0	3.7	4.0	3.7	3.8	3.6	3.5
Book value per share ex intangibles	2.3	3.0	3.5	2.8	3.0	2.9	2.9





Consolidated cash flow statement							
In EUR m	2018	2019	2020	2021	2022e	2023e	2024e
Net income	-0.6	3.3	1.5	-0.2	-2.2	-0.8	-0.6
Depreciation of fixed assets	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Amortisation of goodwill	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Amortisation of intangible assets	0.4	0.6	0.5	0.6	1.0	1.0	1.0
Increase/decrease in long-term provisions	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other non-cash income and expenses	1.9	8.0	-0.7	2.6	0.0	0.0	0.0
Cash Flow before NWC change	1.7	4.7	1.3	3.1	-1.2	0.2	0.4
Increase / decrease in inventory	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Increase / decrease in accounts receivable	0.1	-1.1	-0.1	0.0	-0.7	-2.9	-1.5
Increase / decrease in accounts payable	0.2	0.9	0.7	-0.7	1.2	3.2	1.7
Increase / decrease in other working capital positions	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Increase / decrease in working capital (total)	0.3	-0.3	0.6	-0.7	0.5	0.3	0.2
Net cash provided by operating activities [1]	2.0	4.4	1.9	2.3	-0.7	0.5	0.6
Investments in intangible assets	0.0	0.0	0.0	0.0	-0.7	-0.5	-0.5
Investments in property, plant and equipment	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
Payments for acquisitions	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Financial investments	0.0	0.3	0.3	0.3	0.0	0.0	0.0
Income from asset disposals	0.0	0.0	0.4	0.9	0.0	0.0	0.0
Net cash provided by investing activities [2]	-0.1	-0.6	-0.3	0.3	-0.8	-0.6	-0.6
Change in financial liabilities	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dividends paid	-0.6	-0.7	-0.9	-1.2	-1.2	0.0	0.0
Purchase of own shares	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Capital measures	0.0	0.0	0.0	0.0	5.1	0.0	0.0
Other	0.0	0.0	0.3	-0.1	0.0	0.0	0.0
Net cash provided by financing activities [3]	-0.6	-0.7	-0.5	-1.3	3.9	0.0	0.0
Change in liquid funds [1]+[2]+[3]	1.3	3.1	1.1	1.3	2.4	-0.1	0.0
Effects of exchange-rate changes on cash	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cash and cash equivalent at end of period	8.2	11.4	12.5	13.8	16.2	16.1	16.1

Financial Ratios							
	2018	2019	2020	2021	2022e	2023e	2024e
Cash Flow							
FCF	1.9	4.1	1.5	2.0	-1.5	-0.1	0.0
Free Cash Flow / Sales	17.2 %	28.3 %	10.9 %	15.9 %	-7.3 %	-0.3 %	0.0 %
Free Cash Flow Potential	-0.2	3.8	1.8	0.2	-1.2	0.2	0.4
Free Cash Flow / Net Profit	- 417.5 %	123.2 %	105.5 %	-1292.3 %	221.4 %	n.a.	0.0 %
Interest Received / Avg. Cash	1.6 %	1.7 %	1.0 %	1.7 %	0.0 %	0.0 %	0.0 %
Interest Paid / Avg. Debt	n.a.	3.6 %	1.8 %	2.0 %	0.0 %	0.0 %	0.0 %
Management of Funds							
Investment ratio	0.9 %	0.7 %	0.6 %	0.6 %	4.0 %	1.5 %	1.2 %
Maint. Capex / Sales	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Capex / Dep	27.9 %	16.8 %	16.0 %	12.5 %	80.0 %	60.0 %	60.0 %
Avg. Working Capital / Sales	-0.7 %	-0.5 %	-1.6 %	-1.2 %	-0.3 %	-1.1 %	-1.4 %
Trade Debtors / Trade Creditors	82.6 %	103.5 %	81.4 %	109.6 %	90.9 %	90.8 %	90.2 %
Inventory Turnover	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Receivables collection period (days)	32	54	58	65	55	54	54
Payables payment period (days)	90	121	188	97	120	99	100
Cash conversion cycle (Days)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.



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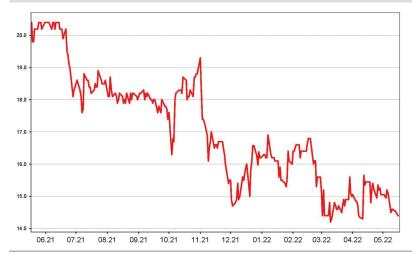
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Rating	Number of stocks	% of Universe			
Buy	170	80			
Hold	37	17			
Sell	3	1			
Rating suspended	2	1			
Total	212	100			

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

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Rating	Number of stocks	% of Universe
Buy	50	86
Hold	6	10
Sell	0	0
Rating suspended	2	3
Total	58	100

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EQUITIES						
Matthias Rode	+49 40 3282-2678					
Head of Equities	mrode@mmwarburg.com					
RESEARCH						
Michael Heider	+49 40 309537-280	Philipp Kaiser	+49 40 309537-260			
Head of Research	mheider@warburg-research.com	Real Estate	pkaiser@warburg-research.com			
Henner Rüschmeier Head of Research	+49 40 309537-270 hrueschmeier@warburg-research.com	Thilo Kleibauer Retail, Consumer Goods	+49 40 309537-257 tkleibauer@warburg-research.com			
Stefan Augustin	+49 40 309537-168	Eggert Kuls	+49 40 309537-256			
Cap. Goods, Engineering	saugustin@warburg-research.com	Engineering	ekuls@warburg-research.com			
Jan Bauer Renewables	+49 40 309537-155 jbauer@warburg-research.com	Andreas Pläsier Banks, Financial Services	+49 40 309537-246 aplaesier@warburg-research.com			
Jonas Blum Telco, Media, Construction	+49 40 309537-240 jblum@warburg-research.com	Malte Schaumann Technology	+49 40 309537-170 mschaumann@warburg-research.com			
Christian Cohrs	+49 40 309537-175	Oliver Schwarz	+49 40 309537-250			
Industrials & Transportation	ccohrs@warburg-research.com	Chemicals, Agriculture	oschwarz@warburg-research.com			
Dr. Christian Ehmann BioTech, Life Science	+49 40 309537-167 cehmann@warburg-research.com	Simon Stippig Real Estate	+49 40 309537-265 sstippig@warburg-research.com			
Felix Ellmann	+49 40 309537-120	Cansu Tatar	+49 40 309537-248			
Software, IT Jörg Philipp Frey	fellmann@warburg-research.com +49 40 309537-258	Cap. Goods, Engineering Marc-René Tonn	ctatar@warburg-research.com +49 40 309537-259			
Retail, Consumer Goods	jfrey@warburg-research.com	Automobiles, Car Suppliers	mtonn@warburg-research.com			
Marius Fuhrberg	+49 40 309537-185	Robert-Jan van der Horst	+49 40 309537-290			
Financial Services	mfuhrberg@warburg-research.com	Technology	rvanderhorst@warburg-research.com			
Mustafa Hidir Automobiles, Car Suppliers	+49 40 309537-230 mhidir@warburg-research.com	Andreas Wolf Software, IT	+49 40 309537-140 awolf@warburg-research.com			
Thor Höfs	+49 40 309537-255	35a.3,	anon@na.za.g 1000a1011100111			
Software, IT	thoefs@warburg-research.com					
INSTITUTIONAL EQU	ITY SALES					
Marc Niemann	+49 40 3282-2660	Maximilian Martin	+49 69 5050-7413			
Head of Equity Sales, Germany	mniemann@mmwarburg.com	Austria, Poland	mmartin@mmwarburg.com			
Klaus Schilling Head of Equity Sales, Germany	+49 69 5050-7400 kschilling@mmwarburg.com	Christopher Seedorf Switzerland	+49 40 3282-2695 cseedorf@mmwarburg.com			
Tim Beckmann	+49 40 3282-2665	Switzeriand	cseedon@mmwarburg.com			
United Kingdom	tbeckmann@mmwarburg.com					
Lea Bogdanova	+49 69 5050-7411					
United Kingdom, Ireland Jens Buchmüller	lbogdanova@mmwarburg.com +49 69 5050-7415					
Scandinavia, Austria	jbuchmueller@mmwarburg.com					
Alexander Eschweiler	+49 40 3282-2669	Sophie Hauer	+49 69 5050-7417			
Germany, Luxembourg	aeschweiler@mmwarburg.com	Roadshow/Marketing	shauer@mmwarburg.com			
Matthias Fritsch	+49 40 3282-2696	Juliane Niemann Roadshow/Marketing	+49 40 3282-2694			
United Kingdom	mfritsch@mmwarburg.com	Toadshow/Marketing	jniemann@mmwarburg.com			
SALES TRADING						
Oliver Merckel	+49 40 3282-2634	Marcel Magiera	+49 40 3282-2662			
Head of Sales Trading Elyaz Dust	omerckel@mmwarburg.com +49 40 3282-2702	Sales Trading Bastian Quast	mmagiera@mmwarburg.com +49 40 3282-2701			
Sales Trading	edust@mmwarburg.com	Sales Trading	bquast@mmwarburg.com			
Michael Ilgenstein	+49 40 3282-2700	Jörg Treptow	+49 40 3282-2658			
Sales Trading	milgenstein@mmwarburg.com	Sales Trading	jtreptow@mmwarburg.com			
MACRO RESEARCH	40 40 0000 0	Do Obalett 1	. 40 40 0000 5 100			
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 f	found under:					
Warburg Research	research.mmwarburg.com/en/index.html	Refinitiv	www.refinitiv.com			
Bloomberg	RESP MMWA GO	Capital IQ	www.capitaliq.com			
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For access please contact:						
Andrea Schaper	+49 40 3282-2632	Kerstin Muthig	+49 40 3282-2703			
Sales Assistance	aschaper@mmwarburg.com	Sales Assistance	kmuthig@mmwarburg.com			