

Buy EUR 375.00 (EUR 400.00) Price EUR 255.50 Upside 46.8 %	Value Indicators: EUR DCF: 375.39	Share data: Bloomberg: HYQ GR Reuters: HYQGn.DE ISIN: DE0005493365	Description: Technology-based financial services provider
	Market Snapshot: EUR m Market cap: 1,596.36 No. of shares (m): 6.25 EV: 1,696.53 Freefloat MC: 984.95 Ø Trad. Vol. (30d): 7.57 m	Shareholders: Freefloat 61.7 % Revenia (Ronald Slabke) 34.6 % Treasury shares 3.7 %	Risk Profile (WRe): 2020e Beta: 1.1 Price / Book: 7.7 x Equity Ratio: 48 % Net Fin. Debt / EBITDA: 1.9 x Net Debt / EBITDA: 1.9 x

COVID-19 impact expected to be only moderate

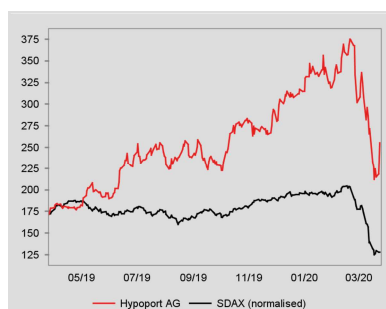
Hypoport's annual report, published on Monday (23.03.2020), simply confirmed the already detailed preliminary figures which made the release of the final figures rather a non-event. Far more interesting was that the company's guidance remains unchanged. As the fallout and the significance of the current coronavirus crisis become clearer, Hypoport considers its business model to be highly robust and obviously does not expect any significant negative impact for the remainder of the year. The company addressed the current crisis in its outlook and it would seem reasonable to conclude that company has not yet experienced a negative impact.

As outlined in a previous publication (dated February 28), we too expect the impact of the coronavirus crisis on Hypoport to be very limited. Nonetheless, to address the severity of the crisis and its general economic consequences, our assumptions were adjusted as follows:

- The credit platform business is broadly dependent on the growth rates of the private real estate financing market and Hypoport's increasing market penetration in this market. While growth in the penetration rate should continue apace, higher uncertainty could limit the potential turnover rate in the real estate market leading to slower market growth. Therefore we lowered our assumptions for the total housing financing market for 2020 from +3% to -5%. A recovery is anticipated for 2021 with an increase in the growth rate of +7% (previously, +2%). However, as the increasing market penetration is of higher significance, this reduces revenues in 2020 by roughly EUR 5m and EBIT by EUR 1.2m.
- The private clients business is a face-to-face business, which should be temporarily affected by the current measures. While the provision of advisory services via video-chat should moderate the impact on this business, top-line growth assumptions were nevertheless reduced from +16% in 2020e to +10%. This reduces assumptions for revenue by EUR 6m and for EBIT by EUR 1.9m.
- Furthermore, as management pointed out in the last call that the company would significantly invest in the segments real estate platform and insurance platform, we reduced our EBIT assumptions even further for 2020 and beyond.

Assessment: The current coronavirus crisis should only have a very limited impact on Hypoport's business model as long as the real estate financing market remains broadly intact. Temporary customer restraint in the real estate financing market is reflected in our estimates but, as Hypoport's business is broadly B2B-driven, Hypoport might even benefit if the crisis clarifies the advantages of greater digitisation for banks. Overall, we regard Hypoport as one of the companies less affected by the pandemic and reiterate our Buy rating.

Changes in Estimates:				Comment on Changes:			
FY End: 31.12. in EUR m	2020e (old)	+ / -	2021e (old)	+ / -	2022e (old)	+ / -	
Sales	413.76	-2.8 %	486.96	-2.1 %	n.a.	n.m.	<ul style="list-style-type: none"> ▪ Inclusion of detailed 2022e estimates ▪ EBIT assumptions lowered more significantly due to higher investment activities announced by the company
EBIT	46.05	-19.2 %	57.95	-10.9 %	n.a.	n.m.	
EPS	5.63	-19.4 %	7.12	-11.1 %	n.a.	n.m.	

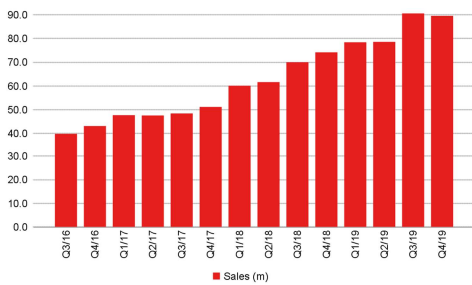


Rel. Performance vs SDAX:	
1 month:	1.7 %
6 months:	36.3 %
Year to date:	15.8 %
Trailing 12 months:	76.6 %

Company events:	
11.05.20	Q1
15.05.20	AGM
03.08.20	Q2
19.08.20	RS EDI/DUB

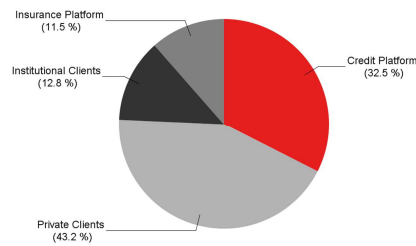
FY End: 31.12. in EUR m	CAGR (19-22e)	2016	2017	2018	2019	2020e	2021e	2022e
Sales	22.7 %	156.64	194.86	265.96	337.24	402.28	476.73	622.59
Change Sales yoy		12.7 %	24.4 %	36.5 %	26.8 %	19.3 %	18.5 %	30.6 %
Gross profit margin		58.0 %	56.1 %	56.7 %	58.9 %	57.8 %	58.6 %	59.2 %
EBITDA	23.4 %	28.24	30.12	39.09	52.22	51.83	68.84	98.12
Margin		18.0 %	15.5 %	14.7 %	15.5 %	12.9 %	14.4 %	15.8 %
EBIT	32.2 %	23.16	23.32	29.29	33.01	37.22	51.61	76.26
Margin		14.8 %	12.0 %	11.0 %	9.8 %	9.3 %	10.8 %	12.2 %
Net income	34.0 %	18.07	18.42	22.47	24.40	28.34	39.53	58.71
EPS	34.1 %	3.00	3.10	3.60	3.90	4.54	6.33	9.40
EPS adj.	34.1 %	3.00	3.10	3.60	3.90	4.54	6.33	9.40
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		1.78	-0.48	2.75	3.07	0.43	4.06	7.68
FCF / Market cap		2.4 %	-0.4 %	1.7 %	1.4 %	0.2 %	1.6 %	3.0 %
EV / Sales		2.8 x	3.5 x	3.9 x	4.4 x	4.2 x	3.5 x	2.6 x
EV / EBITDA		15.6 x	22.6 x	26.7 x	28.5 x	32.7 x	24.5 x	16.8 x
EV / EBIT		19.0 x	29.1 x	35.6 x	45.0 x	45.6 x	32.6 x	21.6 x
P / E		25.0 x	36.8 x	44.2 x	57.2 x	56.3 x	40.4 x	27.2 x
P / E adj.		25.0 x	36.8 x	44.2 x	57.2 x	56.3 x	40.4 x	27.2 x
FCF Potential Yield		5.3 %	3.8 %	3.2 %	3.0 %	2.6 %	3.4 %	4.9 %
Net Debt		-11.46	2.15	49.26	90.89	100.18	86.82	50.85
ROCE (NOPAT)		39.7 %	27.1 %	16.3 %	10.9 %	10.1 %	12.5 %	17.2 %
Guidance:		2020: Revenue between EUR 400m and 440m and EBIT between EUR 35m and 40m						

Sales development in EUR m



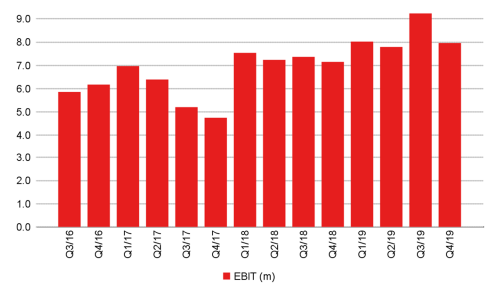
Source: Warburg Research

Sales by Segments 2018; in %



Source: Warburg Research

EBIT development in EUR m



Source: Warburg Research

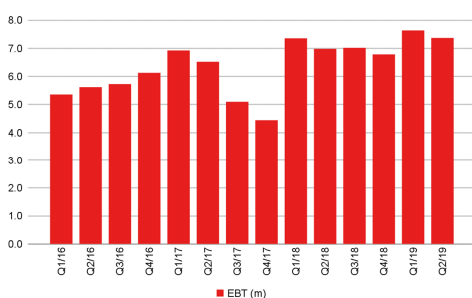
Company Background

- The company, founded in 1999, is specialised as a property financing intermediary and is expanding its value chain towards the insurance and real estate sectors
- With EUROPACE, Hypoport operates the largest German online B2B platform for property financing and similar products
- Under the Dr. Klein brand, Hypoport operates a franchise system of stationary advisors for private customers
- Hypoport is also in a leading position in the area of institutional property financing (also under the Dr. Klein brand)
- An advanced level of technology is shown in all segments (fintech)

Competitive Quality

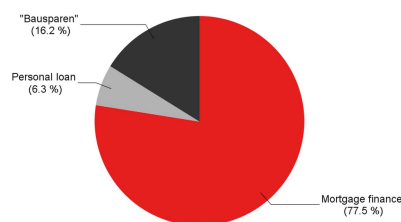
- The online B2B marketplace for property financing (EUROPACE) is the largest of its kind in Germany
- As the number of affiliated suppliers is decisive for marketplaces of this type, this forms a central competitive advantage and a considerable market entry barrier for third parties.
- The Dr. Klein business segments (private clients) benefits from market access over EUROPACE but also from the many years of experience in the area of property financing
- Most importantly however Dr. Klein is strongly focused on property financing and neutral (with offers from every provider). Other financial sales teams or retail banks normally cannot afford both.
- The new platform businesses insurance platform and real estate platform should strongly benefit of the market-leading credit platform and the excellent track record of the company.

EBT development in EUR m



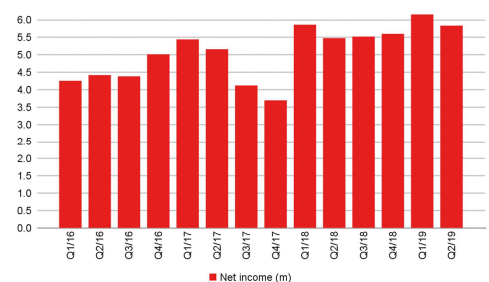
Source: Warburg Research

EUROPACE by product segments 2018; in %



Source: Warburg Research

Net income development in EUR m



Source: Warburg Research

DCF model

Figures in EUR m	Detailed forecast period			Transitional period										Term. Value
	2020e	2021e	2022e	2023e	2024e	2025e	2026e	2027e	2028e	2029e	2030e	2031e	2032e	
Sales	400.42	474.53	547.15	619.71	692.54	775.64	850.18	919.72	979.50	1,018.68	1,059.43	1,085.91	1,113.06	
Sales change	18.7 %	18.5 %	15.3 %	13.3 %	11.8 %	12.0 %	9.6 %	8.2 %	6.5 %	4.0 %	4.0 %	2.5 %	2.5 %	2.0 %
EBIT	32.99	37.13	51.88	84.45	101.95	138.05	165.54	190.21	215.49	244.48	264.86	271.48	278.27	
EBIT-margin	9.3 %	10.9 %	12.3 %	13.6 %	14.7 %	17.8 %	19.5 %	20.7 %	22.0 %	24.0 %	25.0 %	25.0 %	25.0 %	
Tax rate (EBT)	22.2 %	22.2 %	22.2 %	22.0 %	22.0 %	22.0 %	22.0 %	22.0 %	22.0 %	22.0 %	22.0 %	22.0 %	22.0 %	
NOPAT	25.66	28.89	40.37	65.87	79.52	107.68	129.12	148.37	168.08	190.70	206.59	211.75	217.05	
Depreciation	18.84	31.71	46.23	24.79	27.70	31.03	34.01	36.79	39.18	40.75	42.38	43.44	44.52	
in % of Sales	4.7 %	6.7 %	8.4 %	4.0 %	4.0 %	4.0 %	4.0 %	4.0 %	4.0 %	4.0 %	4.0 %	4.0 %	4.0 %	
Changes in provisions	0.00	0.00	0.00	-0.30	0.07	0.08	0.07	0.07	0.06	0.04	0.04	0.03	0.03	
Change in Liquidity from														
- Working Capital	10.22	6.40	12.60	8.17	7.28	8.31	7.45	6.95	5.98	3.92	4.07	2.65	2.71	
- Capex	30.00	25.00	20.00	24.79	27.70	31.03	34.01	36.79	39.18	40.75	42.38	43.44	44.52	
Capex in % of Sales	7.5 %	5.3 %	3.7 %	4.0 %	4.0 %	4.0 %	4.0 %	4.0 %	4.0 %	4.0 %	4.0 %	4.0 %	4.0 %	
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)	4.28	29.20	54.00	57.41	72.32	99.45	121.74	141.48	162.16	186.82	202.55	209.13	214.36	219
PV of FCF	4.08	25.88	44.53	44.04	51.60	66.02	75.18	81.27	86.66	92.87	93.67	89.96	85.78	1,595
share of PVs	3.06 %			31.48 %										65.46 %

Model parameter

Derivation of WACC:		Derivation of Beta:	
Debt ratio	5.00 %	Financial Strength	1.00
Cost of debt (after tax)	2.3 %	Liquidity (share)	1.20
Market return	7.00 %	Cyclicality	1.40
Risk free rate	1.50 %	Transparency	1.00
		Others	1.10
WACC	7.50 %	Beta	1.14

Valuation (m)

Present values 2032e	842		
Terminal Value	1,595		
Financial liabilities	115		
Pension liabilities	1		
Hybrid capital	0		
Minority interest	0		
Market val. of investments	0		
Liquidity	25	No. of shares (m)	6.2
Equity Value	2,345	Value per share (EUR)	375.39

Sensitivity Value per Share (EUR)

Beta	WACC	Terminal Growth							Beta	WACC	Delta EBIT-margin						
		1.25 %	1.50 %	1.75 %	2.00 %	2.25 %	2.50 %	2.75 %			-1.5 pp	-1.0 pp	-0.5 pp	+0.0 pp	+0.5 pp	+1.0 pp	+1.5 pp
1.33	8.5 %	282.60	288.75	295.36	302.48	310.16	318.49	327.54	1.33	8.5 %	283.53	291.06	298.59	306.12	313.64	321.17	328.70
1.24	8.0 %	311.25	318.80	326.95	335.77	345.37	355.84	367.31	1.24	8.0 %	314.79	323.01	331.23	339.45	347.67	355.89	364.11
1.19	7.7 %	327.32	335.72	344.81	354.69	365.47	377.28	390.27	1.19	7.7 %	332.55	341.16	349.77	358.38	366.99	375.61	384.22
1.14	7.5 %	344.75	354.11	364.29	375.39	387.55	400.93	415.72	1.14	7.5 %	351.98	361.02	370.06	379.10	388.14	397.18	406.22
1.09	7.2 %	363.70	374.18	385.61	398.14	411.92	427.15	444.07	1.09	7.2 %	373.34	382.85	392.35	401.86	411.37	420.88	430.39
1.04	7.0 %	384.37	396.15	409.05	423.24	438.92	456.35	475.83	1.04	7.0 %	396.90	406.93	416.95	426.98	437.01	447.04	457.06
0.95	6.5 %	431.88	446.93	463.58	482.07	502.74	526.00	552.36	0.95	6.5 %	452.14	463.38	474.61	485.85	497.09	508.32	519.56

- The growth anticipated for Hypoport is based on robust business development in all segments
- Credit platform segment (EUROPACE) in particular offers systematic potential for economies of scale and margin growth
- On this basis we assume a positive long-term margin trend
- Based on a sophisticated regional dispersion of tax obligations a low tax rate is assumed long term.

Valuation	2016	2017	2018	2019	2020e	2021e	2022e
Price / Book	7.0 x	8.2 x	6.5 x	7.8 x	7.7 x	6.5 x	5.2 x
Book value per share ex intangibles	3.72	4.41	-6.00	-11.24	-11.67	-9.19	-2.29
EV / Sales	2.8 x	3.5 x	3.9 x	4.4 x	4.2 x	3.5 x	2.6 x
EV / EBITDA	15.6 x	22.6 x	26.7 x	28.5 x	32.7 x	24.5 x	16.8 x
EV / EBIT	19.0 x	29.1 x	35.6 x	45.0 x	45.6 x	32.6 x	21.6 x
EV / EBIT adj.*	19.0 x	29.1 x	35.6 x	45.0 x	45.6 x	32.6 x	21.6 x
P / FCF	42.2 x	n.a.	57.8 x	72.7 x	587.5 x	62.9 x	33.3 x
P / E	25.0 x	36.8 x	44.2 x	57.2 x	56.3 x	40.4 x	27.2 x
P / E adj.*	25.0 x	36.8 x	44.2 x	57.2 x	56.3 x	40.4 x	27.2 x
Dividend Yield	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
FCF Potential Yield (on market EV)	5.3 %	3.8 %	3.2 %	3.0 %	2.6 %	3.4 %	4.9 %

*Adjustments made for: -

Consolidated profit & loss

In EUR m	2016	2017	2018	2019	2020e	2021e	2022e
Sales	156.64	194.86	265.96	337.24	402.28	476.73	622.59
Change Sales yoy	12.7 %	24.4 %	36.5 %	26.8 %	19.3 %	18.5 %	30.6 %
Increase / decrease in inventory	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Own work capitalised	5.66	6.99	10.71	16.58	12.87	15.26	19.92
Total Sales	162.30	201.84	276.67	353.82	415.16	491.99	642.52
Material expenses	71.44	92.57	125.78	155.32	182.58	212.85	273.97
Gross profit	90.86	109.27	150.89	198.50	232.58	279.14	368.54
<i>Gross profit margin</i>	<i>58.0 %</i>	<i>56.1 %</i>	<i>56.7 %</i>	<i>58.9 %</i>	<i>57.8 %</i>	<i>58.6 %</i>	<i>59.2 %</i>
Personnel expenses	46.36	58.56	81.75	106.64	135.11	157.19	202.14
Other operating income	3.07	4.52	3.95	3.03	5.48	6.37	8.19
Other operating expenses	19.33	25.35	34.27	42.06	51.12	59.48	76.48
Unfrequent items	0.00	0.26	0.26	-0.62	0.00	0.00	0.00
EBITDA	28.24	30.12	39.09	52.22	51.83	68.84	98.12
<i>Margin</i>	<i>18.0 %</i>	<i>15.5 %</i>	<i>14.7 %</i>	<i>15.5 %</i>	<i>12.9 %</i>	<i>14.4 %</i>	<i>15.8 %</i>
Depreciation of fixed assets	1.24	1.69	2.89	9.69	3.65	4.25	5.46
EBITA	27.00	28.44	36.20	42.52	48.18	64.59	92.65
Amortisation of intangible assets	3.84	5.12	6.91	9.52	10.95	12.98	16.39
Goodwill amortisation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EBIT	23.16	23.32	29.29	33.01	37.22	51.61	76.26
<i>Margin</i>	<i>14.8 %</i>	<i>12.0 %</i>	<i>11.0 %</i>	<i>9.8 %</i>	<i>9.3 %</i>	<i>10.8 %</i>	<i>12.2 %</i>
EBIT adj.	23.16	23.32	29.29	33.01	37.22	51.61	76.26
Interest income	0.23	0.55	0.58	0.51	0.80	0.80	0.80
Interest expenses	0.63	0.88	1.74	2.07	1.80	1.80	1.80
Other financial income (loss)	0.08	0.00	0.00	0.00	0.20	0.20	0.20
EBT	22.84	22.99	28.13	31.44	36.42	50.81	75.46
<i>Margin</i>	<i>14.6 %</i>	<i>11.8 %</i>	<i>10.6 %</i>	<i>9.3 %</i>	<i>9.1 %</i>	<i>10.7 %</i>	<i>12.1 %</i>
Total taxes	4.76	4.56	5.67	7.04	8.09	11.28	16.75
Net income from continuing operations	18.07	18.43	22.47	24.40	28.34	39.53	58.71
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	18.07	18.43	22.47	24.40	28.34	39.53	58.71
Minority interest	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Net income	18.07	18.42	22.47	24.40	28.34	39.53	58.71
<i>Margin</i>	<i>11.5 %</i>	<i>9.5 %</i>	<i>8.4 %</i>	<i>7.2 %</i>	<i>7.0 %</i>	<i>8.3 %</i>	<i>9.4 %</i>
Number of shares, average	6.01	5.94	6.25	6.25	6.25	6.25	6.25
EPS	3.00	3.10	3.60	3.90	4.54	6.33	9.40
EPS adj.	3.00	3.10	3.60	3.90	4.54	6.33	9.40

*Adjustments made for:

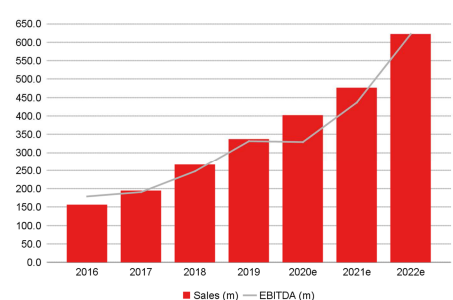
Guidance: 2020: Revenue between EUR 400m and 440m and EBIT between EUR 35m and 40m

Financial Ratios

	2016	2017	2018	2019	2020e	2021e	2022e
Total Operating Costs / Sales	85.6 %	88.3 %	89.4 %	89.2 %	90.3 %	88.8 %	87.4 %
Operating Leverage	1.6 x	0.0 x	0.7 x	0.5 x	0.7 x	2.1 x	1.6 x
EBITDA / Interest expenses	45.0 x	34.3 x	22.5 x	25.2 x	28.8 x	38.2 x	54.5 x
Tax rate (EBT)	20.8 %	19.9 %	20.1 %	22.4 %	22.2 %	22.2 %	22.2 %
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.

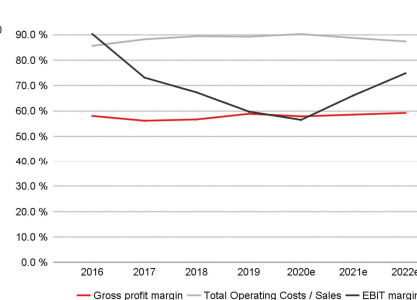
Sales, EBITDA

in EUR m

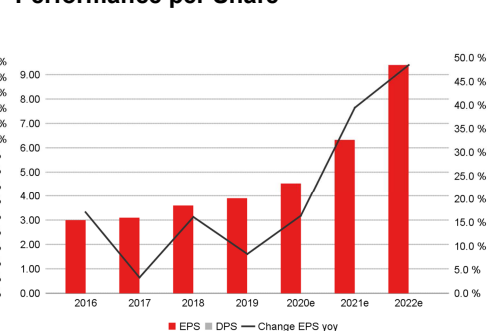


Operating Performance

in %



Performance per Share



Source: Warburg Research

Source: Warburg Research

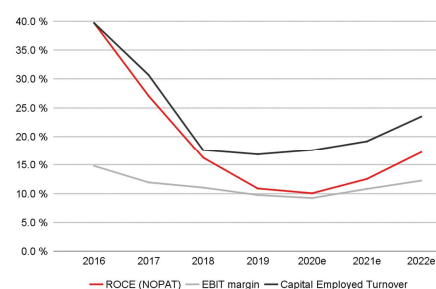
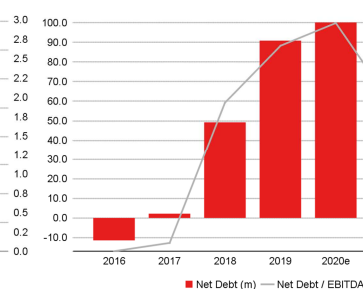
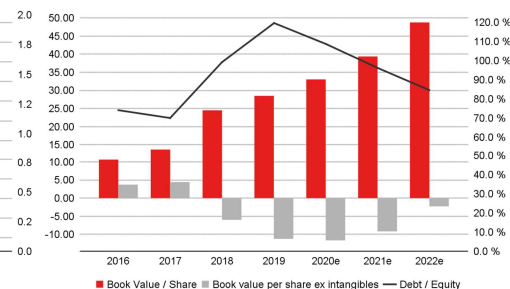
Source: Warburg Research

Consolidated balance sheet

In EUR m	2016	2017	2018	2019	2020e	2021e	2022e
Assets							
Goodwill and other intangible assets	41.66	55.97	190.64	248.24	279.29	303.30	318.91
thereof other intangible assets	3.83	6.77	25.74	14.64	45.69	69.70	85.31
thereof Goodwill	0.00	24.77	140.46	186.40	186.40	186.40	186.40
Property, plant and equipment	2.63	4.45	10.33	34.99	31.34	27.09	21.62
Financial assets	1.09	1.43	0.29	0.19	0.19	0.19	0.19
Other long-term assets	3.01	4.09	12.15	14.14	14.14	14.14	14.14
Fixed assets	48.39	65.93	213.41	297.56	324.95	344.72	354.87
Inventories	0.00	0.00	0.78	1.09	0.00	0.00	0.00
Accounts receivable	38.09	49.14	54.22	63.07	82.00	97.20	126.90
Liquid assets	22.41	14.33	31.76	24.89	19.21	36.17	75.73
Other short-term assets	3.21	11.57	5.45	4.97	4.97	4.97	4.97
Current assets	63.71	75.05	92.21	94.02	106.18	138.34	207.60
Total Assets	112.10	141.00	305.60	391.60	431.10	483.10	562.50
Liabilities and shareholders' equity							
Subscribed capital	6.20	6.20	6.49	6.49	6.49	6.49	6.49
Capital reserve	2.35	2.91	50.59	51.11	51.11	51.11	51.11
Retained earnings	55.54	73.75	96.34	120.67	149.01	188.53	247.25
Other equity components	0.05	-0.25	-0.25	-0.24	-0.24	-0.24	-0.24
Shareholders' equity	64.13	82.60	153.17	178.03	206.37	245.90	304.61
Minority interest	0.27	0.31	0.31	0.34	0.34	0.34	0.34
Total equity	64.40	82.91	153.48	178.38	206.71	246.24	304.95
Provisions	0.25	0.18	0.28	0.92	0.92	0.92	0.92
thereof provisions for pensions and similar obligations	0.24	0.18	0.28	0.92	0.92	0.92	0.92
Financial liabilities (total)	10.71	16.30	80.74	114.87	118.47	122.07	125.67
thereof short-term financial liabilities	4.44	2.94	9.78	16.41	16.41	16.41	16.41
Accounts payable	18.71	23.06	31.99	39.58	47.20	56.00	73.10
Other liabilities	18.07	18.53	39.12	57.84	57.84	57.84	57.84
Liabilities	47.74	58.07	152.13	213.20	224.42	236.82	257.52
Total liabilities and shareholders' equity	112.10	141.00	305.60	391.60	431.10	483.10	562.50

Financial Ratios

	2016	2017	2018	2019	2020e	2021e	2022e
Efficiency of Capital Employment							
Operating Assets Turnover	7.1 x	6.4 x	8.0 x	5.7 x	6.1 x	7.0 x	8.3 x
Capital Employed Turnover	3.0 x	2.3 x	1.3 x	1.3 x	1.3 x	1.4 x	1.7 x
ROA	37.3 %	27.9 %	10.5 %	8.2 %	8.7 %	11.5 %	16.5 %
Return on Capital							
ROCE (NOPAT)	39.7 %	27.1 %	16.3 %	10.9 %	10.1 %	12.5 %	17.2 %
ROE	31.0 %	25.1 %	19.1 %	14.7 %	14.7 %	17.5 %	21.3 %
Adj. ROE	31.0 %	25.1 %	19.1 %	14.7 %	14.7 %	17.5 %	21.3 %
Balance sheet quality							
Net Debt	-11.46	2.15	49.26	90.89	100.18	86.82	50.85
Net Financial Debt	-11.70	1.97	48.98	89.98	99.26	85.90	49.94
Net Gearing	-17.8 %	2.6 %	32.1 %	51.0 %	48.5 %	35.3 %	16.7 %
Net Fin. Debt / EBITDA	n.a.	6.5 %	125.3 %	172.3 %	191.5 %	124.8 %	50.9 %
Book Value / Share	10.6	13.7	24.5	28.5	33.0	39.4	48.8
Book value per share ex intangibles	3.7	4.4	-6.0	-11.2	-11.7	-9.2	-2.3

ROCE Development**Net debt
in EUR m****Book Value per Share
in EUR**

Source: Warburg Research

Source: Warburg Research

Source: Warburg Research

Consolidated cash flow statement

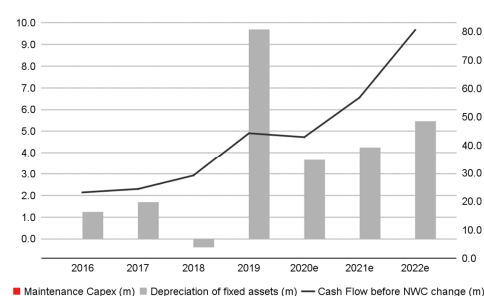
In EUR m	2016	2017	2018	2019	2020e	2021e	2022e
Net income	18.07	18.43	22.47	24.40	28.34	39.53	58.71
Depreciation of fixed assets	1.24	1.69	-0.39	9.69	3.65	4.25	5.46
Amortisation of goodwill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Amortisation of intangible assets	3.84	5.12	6.91	9.52	10.95	12.98	16.39
Increase/decrease in long-term provisions	0.03	0.00	0.10	0.63	0.00	0.00	0.00
Other non-cash income and expenses	0.00	-0.92	0.00	0.00	0.00	0.00	0.00
Cash Flow before NWC change	23.19	24.31	29.09	44.24	42.94	56.76	80.56
Increase / decrease in inventory	0.00	0.00	-0.78	-0.31	1.09	0.00	0.00
Increase / decrease in accounts receivable	-5.24	-11.05	-5.08	-8.85	-18.93	-15.20	-29.70
Increase / decrease in accounts payable	-1.69	4.35	8.93	7.59	7.62	8.80	17.10
Increase / decrease in other working capital positions	2.10	-9.36	7.67	3.53	0.00	0.00	0.00
Increase / decrease in working capital (total)	-4.83	-16.06	10.75	1.97	-10.22	-6.40	-12.60
Net cash provided by operating activities [1]	18.36	8.26	39.83	46.21	32.72	50.36	67.96
Investments in intangible assets	-7.67	-8.00	-13.70	-27.02	-30.00	-25.00	-20.00
Investments in property, plant and equipment	-0.80	-2.00	-1.52	0.00	0.00	0.00	0.00
Payments for acquisitions	-5.56	-9.56	-63.26	-33.04	-12.00	-12.00	-12.00
Financial investments	0.03	0.55	0.00	0.02	0.00	0.00	0.00
Income from asset disposals	0.01	0.02	0.24	0.20	0.00	0.00	0.00
Net cash provided by investing activities [2]	-13.25	-21.19	-85.64	-59.88	-42.00	-37.00	-32.00
Change in financial liabilities	-0.50	4.85	70.51	23.50	3.60	3.60	3.60
Dividends paid	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Purchase of own shares	-6.91	0.00	0.00	0.00	0.00	0.00	0.00
Capital measures	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	-7.27	-16.72	0.00	0.00	0.00
Net cash provided by financing activities [3]	-7.41	4.85	63.23	6.78	3.60	3.60	3.60
Change in liquid funds [1]+[2]+[3]	-2.29	-8.08	17.43	-6.90	-5.68	16.96	39.56
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	22.46	14.33	31.76	24.86	19.21	36.17	75.73

Financial Ratios

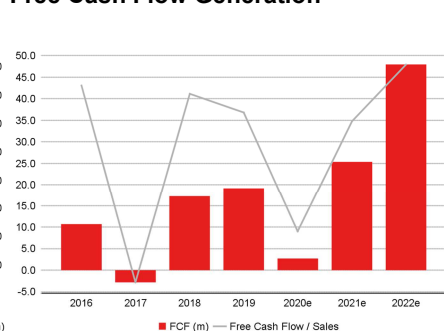
	2016	2017	2018	2019	2020e	2021e	2022e
Cash Flow							
FCF	10.69	-2.84	17.21	19.19	2.72	25.36	47.96
Free Cash Flow / Sales	6.8 %	-1.5 %	6.5 %	5.7 %	0.7 %	5.3 %	7.7 %
Free Cash Flow Potential	23.48	25.56	33.42	45.18	43.74	57.56	81.36
Free Cash Flow / Net Profit	59.2 %	-15.4 %	76.6 %	78.6 %	9.6 %	64.2 %	81.7 %
Interest Received / Avg. Cash	1.0 %	3.0 %	2.5 %	1.8 %	3.6 %	2.9 %	1.4 %
Interest Paid / Avg. Debt	5.7 %	6.5 %	3.6 %	2.1 %	1.5 %	1.5 %	1.5 %
Management of Funds							
Investment ratio	5.4 %	5.1 %	5.7 %	8.0 %	7.5 %	5.2 %	3.2 %
Maint. Capex / Sales	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Capex / Dep	166.6 %	146.9 %	155.4 %	140.7 %	205.4 %	145.1 %	91.5 %
Avg. Working Capital / Sales	10.2 %	11.7 %	9.2 %	7.1 %	7.4 %	8.0 %	7.6 %
Trade Debtors / Trade Creditors	203.6 %	213.1 %	169.5 %	159.3 %	173.7 %	173.6 %	173.6 %
Inventory Turnover	n.a.	n.a.	161.3 x	142.9 x	n.a.	n.a.	n.a.
Receivables collection period (days)	89	92	74	68	74	74	74
Payables payment period (days)	96	91	93	93	94	96	97
Cash conversion cycle (Days)	n.a.	n.a.	-16	-22	n.a.	n.a.	n.a.

CAPEX and Cash Flow

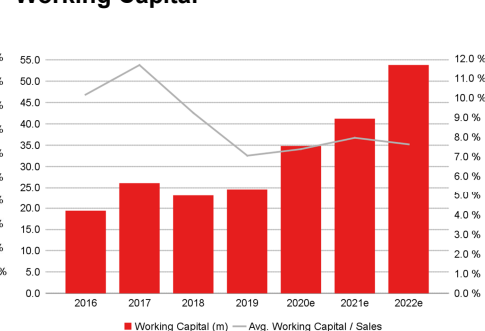
in EUR m



Free Cash Flow Generation



Working Capital



Source: Warburg Research

Source: Warburg Research

Source: Warburg Research

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Investment recommendation: expected direction of the share price development of the financial instrument up to the given price target 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 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.

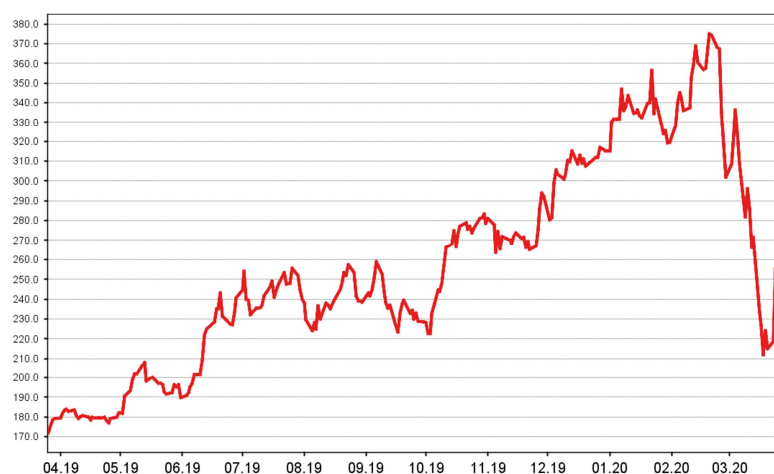
WARBURG RESEARCH GMBH – ANALYSED RESEARCH UNIVERSE BY RATING

Rating	Number of stocks	% of Universe
Buy	122	60
Hold	67	33
Sell	9	4
Rating suspended	6	3
Total	204	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	34	81
Hold	5	12
Sell	0	0
Rating suspended	3	7
Total	42	100

PRICE AND RATING HISTORY HYPOPORT AS OF 25.03.2020


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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