(SDAX, Financial Services)



Duv		Value Indicators:	EUR	Share data:		Description:	
Buy		SotP:	169.61	Bloomberg:	HYQ GR	Technology-based financia	l convicos
EUR 170.00				Reuters:	HYQGn.DE	provider	ii sei vices
EUR 1/0.00				ISIN:	DE0005493365	·	
		Market Snapshot:	EUR m	Shareholders:		Risk Profile (WRe):	2017e
Price	EUR 144.50	Market cap:	858.60	Freefloat	59.6 %	Beta:	1.2
		No. of shares (m):	5.94	Revenia (Ronald Slabke	) 36.3 %	Price / Book:	10.2 x
Upside	17.6 %	EV:	834.30	Treasury shares	4.1 %	Equity Ratio:	62 %
		Freefloat MC:	511.72				
		Ø Trad. Vol. (30d):	3.71 m				

## Q3 transaction volumes announced for Europace

**Q3 2017 transaction volumes for Hypoport's Credit Platform unit** (approximately 39.6% of group revenues and 58.3% of group EBIT before eliminations as of H1 2017) were released yesterday.

- Transaction volumes for the first nine months amounted to EUR 36.4 billion, up 9.6% yoy, once again clearly outperforming a sluggish market, which according to Bundesbank figures was up an anemic +1% into August. Q3 transaction volumes amounted to EUR 12.3 billion, +4.3% yoy, a clear slowdown following the very strong Q1 at +17.3% yoy, and Q2 at +7.2% yoy. Sequentially though, Q3 posted the highest absolute figure year-to-date (Q1 EUR 12.2 billion, Q2 EUR 11.8 billion). However Q3 had 5.5 more business days than Q2 due to public holidays and "bridging" days and the transaction volume per-sales-day statistic reveals a dent in sales productivity: Q3 came in at EUR 190m per day, down 4.5% compared to Q2 (EUR 199m) and up 6.1% compared to Q3 2016 (EUR 179m).
- While the company highlights **softness in activity at private banks** (interest rate environment, regulatory burden and other internal issues), **the financial service providers segment and the public banks segment seem fully on track**. FINMAS, the sub marketplace for savings banks, saw brokered transaction volumes up 67.7% over the first months of 2017 at EUR 1.8 billion, showing good acceleration in Q3 compared to H1: Q3 volumes grew 75% at EUR 0.7m. GENOPACE, the sub-marketplace for cooperative banks, saw transaction volumes increase by 21.4% yoy over the first nine months of 2017 and by 50% yoy in Q3 alone. **The acceleration in growth in Q3 both at FINMAS and at GENOPACE** certainly proves that the growth momentum in those relatively under-penetrated markets remains intact, although they are still too small to make a big difference overall.
- One also needs to bear in mind that in Q3 2017, the market was generally in "pre-election mode" and that quarterly transaction volumes can be volatile.
- Full Q3 results will be released on October 30.
- Remains a Buy with a PT of EUR 170 based on SotP methods, valuing the legacy (EUR 128.68 per share) and the new insuretech businesses (EUR 40.92) separately, both with a DCF approach.



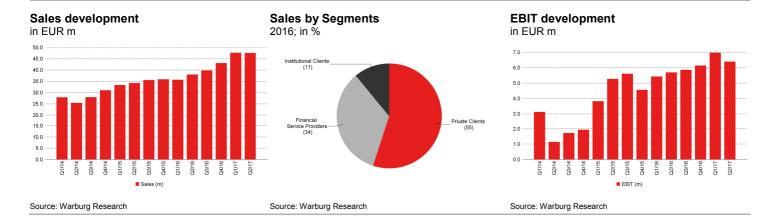
Rel. Performance vs SDAX:	
1 month:	7.8 %
6 months:	49.2 %
Year to date:	61.3 %
Trailing 12 months:	47.8 %
Company events:	

FY End: 31.12. in EUR m	CAGR (16-19e)	2013	2014	2015	2016	2017e	2018e	2019e
Sales	15.8 %	98.09	112.33	138.98	156.60	191.78	216.60	243.06
Change Sales yoy		11.8 %	14.5 %	23.7 %	12.7 %	22.5 %	12.9 %	12.2 %
Gross profit margin		54.3 %	53.9 %	54.9 %	58.0 %	57.9 %	57.9 %	57.9 %
EBITDA	16.0 %	8.12	12.70	25.08	28.20	33.54	38.22	44.03
Margin		8.3 %	11.3 %	18.0 %	18.0 %	17.5 %	17.6 %	18.1 %
EBIT	17.7 %	3.95	7.94	19.26	23.12	27.93	32.26	37.73
Margin		4.0 %	7.1 %	13.9 %	14.8 %	14.6 %	14.9 %	15.5 %
Net income	17.7 %	3.18	5.92	15.87	17.97	21.55	24.97	29.30
EPS	18.0 %	0.52	0.97	2.56	3.00	3.63	4.20	4.93
EPS adj.	18.0 %	0.52	0.97	2.56	3.00	3.63	4.20	4.93
DPS	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dividend Yield		n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
FCFPS		0.61	0.37	3.16	1.90	2.16	3.34	4.09
FCF / Market cap		7.4 %	3.3 %	10.2 %	2.4 %	1.5 %	2.3 %	2.8 %
EV / Sales		0.6 x	0.6 x	1.4 x	2.8 x	4.4 x	3.8 x	3.3 x
EV / EBITDA		7.0 x	5.6 x	7.8 x	15.6 x	25.3 x	21.7 x	18.3 x
EV / EBIT		14.4 x	9.0 x	10.2 x	19.0 x	30.4 x	25.7 x	21.3 x
P/E		15.9 x	11.3 x	13.2 x	25.0 x	39.8 x	34.4 x	29.3 x
P / E adj.		15.9 x	11.3 x	13.2 x	25.0 x	39.8 x	34.4 x	29.3 x
FCF Potential Yield		14.5 %	15.9 %	11.2 %	5.3 %	3.3 %	3.8 %	4.5 %
Net Debt		5.97	4.08	-13.29	-11.46	-24.30	-44.13	-68.43
ROCE (NOPAT)		10.3 %	15.8 %	38.9 %	39.6 %	38.6 %	39.8 %	43.1 %
Guidance: 2	2017: revenue	es and earnin	gs growth jus	st into double	digit figures			

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Q3



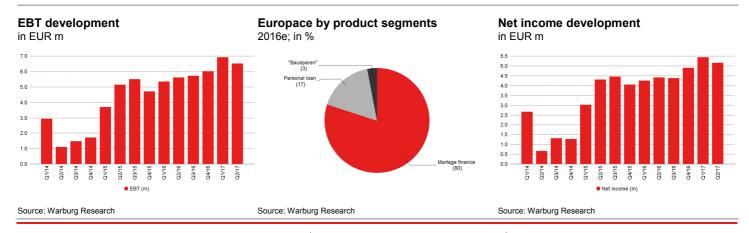


## **Company Background**

- The company, founded in 1999, is specialised as a property financing intermediary
- With Europace, Hypoport operates the largest German internet platform for property financing and similar products
- Under the Dr. Klein brand, Hypoport operates a franchise system of stationary advisors
- 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 marketplace for property financing operated by Hypoport (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
- Dr. Klein has regional presence (200 branches) and, in this way, achieves customer proximity.
- Most importantly however Dr. Klein is strongly focused (mainly property financing) and neutral (with offers from every provider). Other financial sales teams or retail banks normally cannot afford both.





DCF model														
	Detaile	d forecas	t period				٦	Transition (	al period					Term. Value
Figures in EUR m	2017e	2018e	2019e	2020e	2021e	2022e	2023e	2024e	2025e	2026e	2027e	2028e	2029e	
Sales	191.78	216.60	243.06	272.22	304.89	335.38	368.92	394.74	422.37	451.94	474.54	498.26	510.72	
Sales change	22.5 %	12.9 %	12.2 %	12.0 %	12.0 %	10.0 %	10.0 %	7.0 %	7.0 %	7.0 %	5.0 %	5.0 %	2.5 %	2.5 %
EBIT	27.93	32.26	37.73	43.56	50.31	57.01	66.40	71.05	76.03	81.35	85.42	89.69	91.93	
EBIT-margin	14.6 %	14.9 %	15.5 %	16.0 %	16.5 %	17.0 %	18.0 %	18.0 %	18.0 %	18.0 %	18.0 %	18.0 %	18.0 %	
Tax rate (EBT)	20.9 %	20.9 %	20.9 %	20.9 %	20.9 %	20.9 %	20.9 %	20.9 %	20.9 %	20.9 %	20.9 %	20.9 %	20.9 %	
NOPAT	22.10	25.52	29.85	34.46	39.81	45.11	52.54	56.22	60.16	64.37	67.59	70.96	72.74	
Depreciation	5.61	5.97	6.30	10.89	12.20	13.42	14.76	15.79	16.89	18.08	18.98	19.93	20.43	
in % of Sales	2.9 %	2.8 %	2.6 %	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	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.01	
Change in Liquidity from														
- Working Capital	4.32	3.10	3.30	3.61	4.05	3.78	4.15	3.20	3.42	3.66	2.80	2.94	1.54	
- Capex	10.00	8.00	8.00	13.61	15.24	16.77	18.45	19.74	21.12	22.60	23.73	24.91	25.54	
Capex in % of Sales	5.2 %	3.7 %	3.3 %	5.0 %	5.0 %	5.0 %	5.0 %	5.0 %	5.0 %	5.0 %	5.0 %	5.0 %	5.0 %	
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)	13.39	20.39	24.86	28.16	32.74	38.01	44.73	49.10	52.54	56.22	60.06	63.07	66.10	68
PV of FCF	12.72	17.91	20.19	21.16	22.77	24.45	26.62	27.02	26.75	26.48	26.17	25.42	24.65	451
share of PVs		6.74 %						33.38	В %					59.88 %

Model parameter			Valuation (m)				
Derivation of WACC:		Derivation of Beta:		Present values 2029e	302		
				Terminal Value	451		
Debt ratio	0.00 %	Financial Strength	1.00	Financial liabilities	11		
Cost of debt (after tax)	2.4 %	Liquidity (share)	1.00	Pension liabilities	0		
Market return	7.00 %	Cyclicality	1.40	Hybrid capital	0		
Risk free rate	1.50 %	Transparency	1.30	Minority interest	0		
		Others	1.30	Market val. of investments	0		
				Liquidity	22	No. of shares (m)	5.9
WACC	8.10 %	Beta	1.20	Equity Value	765	Value per share (EUR)	128.68

Sens	itivity Va	lue per Sh	are (EUR	)													
		Terminal (	Growth								Delta EBIT	-margin					
Beta	WACC	1.75 %	2.00 %	2.25 %	2.50 %	2.75 %	3.00 %	3.25 %	Beta	WACC	-1.5 pp	-1.0 pp	-0.5 pp	+0.0 pp	+0.5 pp	+1.0 pp	+1.5 pp
1.38	9.1 %	101.00	102.81	104.76	106.85	109.11	111.55	114.20	1.38	9.1 %	96.59	100.01	103.43	106.85	110.27	113.69	117.11
1.29	8.6 %	109.65	111.87	114.26	116.85	119.66	122.72	126.06	1.29	8.6 %	105.66	109.39	113.12	116.85	120.58	124.31	128.04
1.25	8.4 %	114.48	116.95	119.61	122.50	125.66	129.10	132.88	1.25	8.4 %	110.79	114.70	118.60	122.50	126.41	130.31	134.22
1.20	8.1 %	119.71	122.46	125.44	128.68	132.23	136.12	140.42	1.20	8.1 %	116.40	120.49	124.59	128.68	132.78	136.87	140.97
1.15	7.9 %	125.39	128.46	131.80	135.45	139.46	143.89	148.79	1.15	7.9 %	122.54	126.84	131.15	135.45	139.75	144.06	148.36
1.11	7.6 %	131.57	135.01	138.77	142.90	147.46	152.51	158.14	1.11	7.6 %	129.30	133.83	138.37	142.90	147.43	151.97	156.50
1.02	7.1 %	145.70	150.09	154.92	160.28	166.26	172.96	180.54	1.02	7.1 %	145.08	150.14	155.21	160.28	165.35	170.42	175.48

- The growth anticipated for Hypoport is based on robust business development in all segments
- Financial Services (Europace) in particular offers systematic potential for economies of scale and margin growth
- On this basis the group assumes a positive long-term margin trend
- Based on a sophisticated regional dispersion of tax obligations a low tax rate is assumed long term.

## **HYPOPORT**



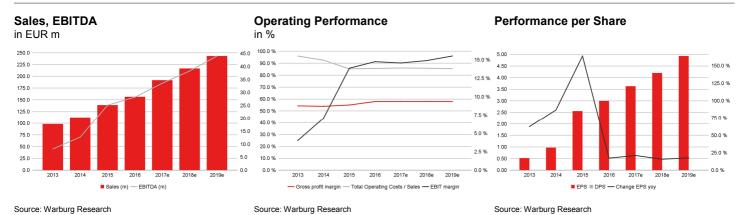
Valuation							
	2013	2014	2015	2016	2017e	2018e	2019e
Price / Book	1.5 x	1.7 x	4.0 x	7.0 x	10.2 x	7.9 x	6.2 x
Book value per share ex intangibles	0.53	1.25	3.40	3.72	6.68	10.63	15.33
EV / Sales	0.6 x	0.6 x	1.4 x	2.8 x	4.4 x	3.8 x	3.3 x
EV / EBITDA	7.0 x	5.6 x	7.8 x	15.6 x	25.3 x	21.7 x	18.3 x
EV / EBIT	14.4 x	9.0 x	10.2 x	19.0 x	30.4 x	25.7 x	21.3 x
EV / EBIT adj.*	14.4 x	9.0 x	10.2 x	19.0 x	30.4 x	25.7 x	21.3 x
P / FCF	13.5 x	29.9 x	9.8 x	42.4 x	66.9 x	43.3 x	35.3 x
P/E	15.9 x	11.3 x	13.2 x	25.0 x	39.8 x	34.4 x	29.3 x
P / E adj.*	15.9 x	11.3 x	13.2 x	25.0 x	39.8 x	34.4 x	29.3 x
Dividend Yield	n.a.						
FCF Potential Yield (on market EV)	14.5 %	15.9 %	11.2 %	5.3 %	3.3 %	3.8 %	4.5 %
*Adjustments made for: -							



Consolidated profit & loss							
In EUR m	2013	2014	2015	2016	2017e	2018e	2019
Sales	98.09	112.33	138.98	156.60	191.78	216.60	243.00
Change Sales yoy	11.8 %	14.5 %	23.7 %	12.7 %	22.5 %	12.9 %	12.2 %
Increase / decrease in inventory	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Own work capitalised	4.25	4.18	4.66	5.66	6.71	7.58	8.5
Total Sales	102.34	116.50	143.65	162.26	198.50	224.18	251.50
Material expenses	49.11	55.95	67.31	71.44	87.45	98.77	110.83
Gross profit	53.23	60.55	76.34	90.82	111.04	125.41	140.73
Gross profit margin	54.3 %	53.9 %	54.9 %	58.0 %	57.9 %	57.9 %	57.9 %
Personnel expenses	32.68	35.33	38.22	46.36	56.19	63.03	70.49
Other operating income	2.77	1.83	2.18	3.07	4.22	4.98	5.83
Other operating expenses	15.23	14.50	15.25	19.33	25.53	29.14	32.04
Unfrequent items	0.04	0.15	0.03	0.00	0.00	0.00	0.00
EBITDA	8.12	12.70	25.08	28.20	33.54	38.22	44.03
Margin	8.3 %	11.3 %	18.0 %	18.0 %	17.5 %	17.6 %	18.1 %
Depreciation of fixed assets	1.06	0.97	1.12	1.24	1.20	1.20	1.20
EBITA	7.07	11.73	23.96	26.96	32.34	37.02	42.8
Amortisation of intangible assets	3.12	3.80	4.70	3.84	4.41	4.77	5.10
Goodwill amortisation	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EBIT	3.95	7.94	19.26	23.12	27.93	32.26	37.7
Margin	4.0 %	7.1 %	13.9 %	14.8 %	14.6 %	14.9 %	15.5 %
EBIT adj.	3.95	7.94	19.26	23.12	27.93	32.26	37.73
Interest income	0.11	0.14	0.37	0.23	0.10	0.10	0.10
Interest expenses	0.99	0.82	0.52	0.63	0.80	0.80	0.80
Other financial income (loss)	0.00	0.00	0.00	0.01	0.00	0.00	0.00
EBT	3.07	7.25	19.10	22.73	27.23	31.56	37.03
Margin	3.1 %	6.5 %	13.7 %	14.5 %	14.2 %	14.6 %	15.2 %
Total taxes	-0.10	1.32	3.24	4.76	5.68	6.59	7.73
Net income from continuing operations	3.18	5.93	15.87	17.97	21.55	24.97	29.3
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	3.18	5.93	15.87	17.97	21.55	24.97	29.3
Minority interest	0.00	0.01	0.00	0.00	0.00	0.00	0.00
Net income	3.18	5.92	15.87	17.97	21.55	24.97	29.30
Margin	3.2 %	5.3 %	11.4 %	11.5 %	11.2 %	11.5 %	12.1 %
Number of shares, average	6.14	6.12	6.19	6.01	5.94	5.94	5.94
EPS	0.52	0.97	2.56	3.00	3.63	4.20	4.93
EPS adj.	0.52	0.97	2.56	3.00	3.63	4.20	4.93
*Adjustments made for:							

Guidance: 2017: revenues and earnings growth just into double digit figures

Financial Ratios							
	2013	2014	2015	2016	2017e	2018e	2019e
Total Operating Costs / Sales	96.1 %	92.5 %	85.3 %	85.6 %	86.0 %	85.9 %	85.4 %
Operating Leverage	2.0 x	7.0 x	6.0 x	1.6 x	0.9 x	1.2 x	1.4 x
EBITDA / Interest expenses	8.2 x	15.4 x	48.0 x	44.9 x	41.9 x	47.8 x	55.0 x
Tax rate (EBT)	-3.3 %	18.2 %	16.9 %	20.9 %	20.9 %	20.9 %	20.9 %
Dividend Payout Ratio	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Sales per Employee	n.a.						



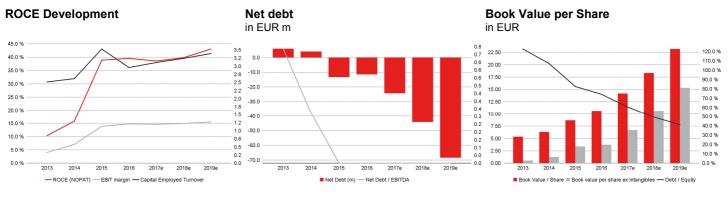
Published 18.10.2017

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Consolidated balance sheet							
In EUR m	2013	2014	2015	2016	2017e	2018e	2019
Assets							
Goodwill and other intangible assets	29.57	30.95	31.89	41.66	45.25	46.48	47.38
thereof other intangible assets	0.00	0.00	0.00	3.06	6.64	7.88	8.78
thereof Goodwill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Property, plant and equipment	2.50	2.66	3.04	2.63	3.43	4.23	5.03
Financial assets	0.07	0.08	0.03	1.09	1.09	1.09	1.09
Other long-term assets	0.71	1.12	1.42	3.01	3.01	3.01	3.01
Fixed assets	32.85	34.82	36.38	48.39	52.78	54.82	56.51
Inventories	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Accounts receivable	24.45	29.62	32.85	38.09	46.60	52.70	59.10
Liquid assets	10.95	12.02	24.76	22.41	35.25	55.08	79.39
Other short-term assets	5.40	3.94	2.09	3.21	3.21	3.21	3.21
Current assets	40.80	45.59	59.70	63.71	85.06	110.99	141.69
Total Assets	73.60	80.40	96.10	112.10	137.80	165.80	198.20
Liabilities and shareholders' equity							
Subscribed capital	6.20	6.20	6.20	6.20	6.20	6.20	6.20
Capital reserve	2.06	2.21	2.35	2.35	2.35	2.35	2.35
Retained earnings	24.60	30.26	44.01	55.54	77.09	102.06	131.36
Other equity components	-0.06	-0.08	-0.16	0.05	-0.05	0.05	0.05
Shareholders' equity	32.80	38.59	52.39	64.13	85.58	110.65	139.95
Minority interest	0.26	0.26	0.27	0.27	0.27	0.27	0.27
Total equity	33.05	38.85	52.66	64.40	85.85	110.92	140.22
Provisions	0.11	0.20	0.21	0.25	0.25	0.25	0.25
thereof provisions for pensions and similar obligations	0.11	0.20	0.21	0.24	0.24	0.24	0.24
Financial liabilities (total)	16.82	15.90	11.26	10.71	10.71	10.71	10.71
thereof short-term financial liabilities	4.76	4.64	4.34	6.27	6.27	6.27	6.27
Accounts payable	15.20	16.49	20.39	18.71	22.90	25.90	29.00
Other liabilities	8.41	8.96	11.55	18.07	18.07	18.07	18.07
Liabilities	40.54	41.56	43.42	47.74	51.93	54.93	58.03
Total liabilities and shareholders' equity	73.60	80.40	96.10	112.10	137.80	165.80	198.20

Financial Ratios							
	2013	2014	2015	2016	2017e	2018e	2019e
Efficiency of Capital Employment							
Operating Assets Turnover	8.4 x	7.1 x	9.0 x	7.1 x	7.1 x	7.0 x	6.9 x
Capital Employed Turnover	2.5 x	2.6 x	3.5 x	3.0 x	3.1 x	3.2 x	3.4 x
ROA	9.7 %	17.0 %	43.6 %	37.1 %	40.8 %	45.5 %	51.8 %
Return on Capital							
ROCE (NOPAT)	10.3 %	15.8 %	38.9 %	39.6 %	38.6 %	39.8 %	43.1 %
ROE	10.2 %	16.6 %	34.9 %	30.8 %	28.8 %	25.4 %	23.4 %
Adj. ROE	10.2 %	16.6 %	34.9 %	30.8 %	28.8 %	25.4 %	23.4 %
Balance sheet quality							
Net Debt	5.97	4.08	-13.29	-11.46	-24.30	-44.13	-68.43
Net Financial Debt	5.87	3.88	-13.50	-11.70	-24.54	-44.37	-68.68
Net Gearing	18.1 %	10.5 %	-25.2 %	-17.8 %	-28.3 %	-39.8 %	-48.8 %
Net Fin. Debt / EBITDA	72.2 %	30.5 %	n.a.	n.a.	n.a.	n.a.	n.a.
Book Value / Share	5.3	6.3	8.7	10.6	14.2	18.3	23.2
Book value per share ex intangibles	0.5	1.2	3.4	3.7	6.7	10.6	15.3

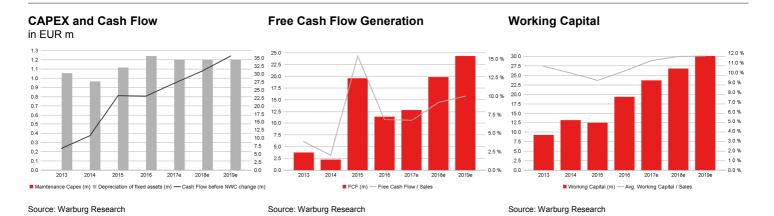


Source: Warburg Research Source: Warburg Research Source: Warburg Research



Consolidated cash flow statement							
In EUR m	2013	2014	2015	2016	2017e	2018e	2019e
Net income	3.18	5.93	15.87	18.05	21.55	24.97	29.30
Depreciation of fixed assets	1.06	0.97	1.12	1.24	1.20	1.20	1.20
Amortisation of goodwill	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Amortisation of intangible assets	3.12	3.80	4.70	3.84	4.41	4.77	5.10
Increase/decrease in long-term provisions	0.00	0.00	0.00	0.03	0.00	0.00	0.00
Other non-cash income and expenses	-0.54	0.03	1.60	0.00	0.00	0.00	0.00
Cash Flow before NWC change	6.81	10.72	23.28	23.16	27.16	30.93	35.60
Increase / decrease in inventory	0.96	-4.13	-1.66	0.00	0.00	0.00	0.00
Increase / decrease in accounts receivable	0.00	0.00	0.00	-5.24	-8.51	-6.10	-6.40
Increase / decrease in accounts payable	2.77	1.77	4.60	-1.69	4.19	3.00	3.10
Increase / decrease in other working capital positions	-1.05	0.05	0.47	2.10	0.00	0.00	0.00
Increase / decrease in working capital (total)	2.68	-2.31	3.41	-4.83	-4.32	-3.10	-3.30
Net cash provided by operating activities [1]	9.49	8.42	26.69	18.34	22.84	27.83	32.30
Investments in intangible assets	-5.16	-5.55	-4.70	-6.90	-8.00	-6.00	-6.00
Investments in property, plant and equipment	-0.57	-0.62	-0.62	-0.80	-2.00	-2.00	-2.00
Payments for acquisitions	0.00	0.00	0.00	-3.40	0.00	0.00	0.00
Financial investments	0.00	0.02	0.01	3.00	0.00	0.00	0.00
Income from asset disposals	0.04	0.00	0.05	0.00	0.00	0.00	0.00
Net cash provided by investing activities [2]	-5.70	-6.18	-7.06	-13.30	-10.00	-8.00	-8.00
Change in financial liabilities	-1.39	-0.85	-4.60	-0.55	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	-0.31	-2.30	-6.91	0.00	0.00	0.00
Capital measures	0.00	0.00	0.00	0.50	0.00	0.00	0.00
Other	0.00	0.00	0.00	-0.50	0.00	0.00	0.00
Net cash provided by financing activities [3]	-1.39	-1.16	-6.90	-7.46	0.00	0.00	0.00
Change in liquid funds [1]+[2]+[3]	2.40	1.07	12.73	-2.42	12.84	19.83	24.30
Effects of exchange-rate changes on cash	0.00	0.00	0.00	0.10	0.00	0.00	0.00
Cash and cash equivalent at end of period	10.95	12.02	24.76	22.43	35.25	55.08	79.39

Financial Ratios							
	2013	2014	2015	2016	2017e	2018e	2019e
Cash Flow							
FCF	3.75	2.25	19.59	11.44	12.84	19.83	24.30
Free Cash Flow / Sales	3.8 %	2.0 %	15.4 %	6.8 %	6.7 %	9.2 %	10.0 %
Free Cash Flow Potential	8.23	11.38	21.84	23.52	27.86	31.63	36.30
Free Cash Flow / Net Profit	118.2 %	38.0 %	134.7 %	59.2 %	59.6 %	79.4 %	82.9 %
Interest Received / Avg. Cash	1.1 %	1.2 %	2.0 %	1.0 %	0.3 %	0.2 %	0.1 %
Interest Paid / Avg. Debt	5.6 %	5.0 %	3.8 %	5.7 %	7.5 %	7.5 %	7.5 %
Management of Funds							
Investment ratio	5.8 %	5.5 %	3.8 %	4.9 %	5.2 %	3.7 %	3.3 %
Maint. Capex / Sales	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Capex / Dep	137.4 %	129.5 %	91.4 %	151.4 %	178.2 %	134.1 %	126.9 %
Avg. Working Capital / Sales	10.7 %	10.0 %	9.2 %	10.2 %	11.2 %	11.7 %	11.7 %
Trade Debtors / Trade Creditors	160.8 %	179.6 %	161.1 %	203.6 %	203.5 %	203.5 %	203.8 %
Inventory Turnover	n.a.						
Receivables collection period (days)	91	96	86	89	89	89	89
Payables payment period (days)	113	108	111	96	96	96	96
Cash conversion cycle (Days)	n.a.						



### **HYPOPORT**



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Company	Disclosure	Link to the historical price targets and rating changes (last 12 months)
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Total



100

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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 12 months.		
-S-	Sell:	The price of the analysed financial instrument is expected to fall over the next 12 months.		
<u>"_"</u>	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	107	52		
Hold	88	43		
Sell	8	4		
Rating suspended	1	0		

### 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.

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Rating	Number of stocks	% of Universe
Buy	29	73
Hold	9	23
Sell	1	3
Rating suspended	1	3
Total	40	100

### PRICE AND RATING HISTORY HYPOPORT AS OF 18.10.2017



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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