

Buy EUR 200.00 Price EUR 131.00 Upside 52.7 %	Value Indicators: EUR DCF: 204.00	Warburg ESG Risk Score: 3.0 ESG Score (MSCI based): 3.0 Balance Sheet Score: 4.0 Market Liquidity Score: 2.0	Description: Custom software and digital engineering
	Market Snapshot: EUR m Market cap: 1,804.7 No. of shares (m): 13.8 EV: 1,896.0 Freefloat MC: 1,268.7 Ø Trad. Vol. (30d): 4.51 m	Shareholders: Freefloat 70.3 % Carl G. Duerschmidt 20.0 % Detlef Dinsel 9.7 %	Key Figures (WRe): 2021e Beta: 1.1 Price / Book: 29.0 x Equity Ratio: 15 % Net Fin. Debt / EBITDA: 1.5 x Net Debt / EBITDA: 1.6 x

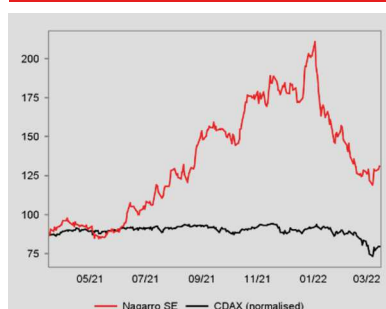
Preliminary Q4 figures underpin soaring demand

Nagarro has published preliminary results for 2021: Revenue is expected to be in the region of EUR 546m instead of the last guided number of EUR 535m. The gross margin is expected to be in the region of 28.3% compared to the last guided number of 28%. The adjusted EBITDA margin is expected to be in the region of 14.6% instead of the last guided number of 14%.

Nagarro - Q4 2021

in EUR m	Q4/21	Q4/21e	Q4/20	yoy	2021	2020	yoy
Sales	162.0	151.0	108.9	48.7%	546.0	430.4	26.9%
EBITDA adjusted margin	20.3	15.2	18.0	12.7%	79.5	76.2	4.4%
	12.5%	10.1%	16.5%		14.6%	17.7%	

- Hence, the key figures for 2021 have underpinned the strong operative momentum, which looks set to continue this year: In January, Nagarro published its 2022 targets, with management aiming for revenues of approx. EUR 700m, a gross margin of 28% and an adjusted EBITDA margin of 14%. These targets are reflected in our estimates.
- The continued dynamic growth in 2022 demonstrates the strong demand for Nagarro's IT expertise and the high demand for digitalisation solutions as the ongoing digitalisation is reshaping business processes and client relationships.
- To achieve its targets, Nagarro is also further expanding its workforce. In February, Nagarro announced that the number of employees had passed the 15,000 mark. Despite a highly competitive job market, Nagarro succeeds in recruiting IT engineers due to the attractiveness of its digital projects and corporate culture.
- In addition to expanding its workforce, Nagarro continues to attract entrepreneurs who are looking for a good home for their companies and a larger playing field for themselves. One such recent acquisition was RipeConcepts. The company provides multi-channel creative content and excels in the creative digital disciplines of design, illustration, 3D modelling, animation and marketing. Its clients include Fortune 500 companies as well as Silicon Valley unicorns. RipeConcepts has over 650 full-time employees and generated revenues of approx. EUR 10m in 2021. The takeover not only strengthens Nagarro's design and creative capabilities, but also gives Nagarro access to IT talent in the Philippines.
- The published preliminary results have confirmed our investment case and the Buy rating is reiterated.**

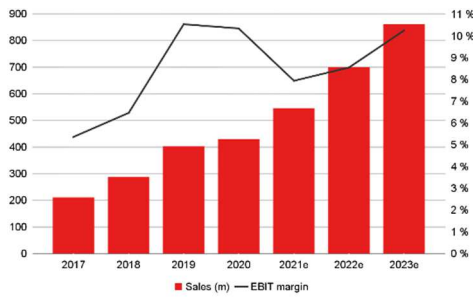


Rel. Performance vs CDAX:	
1 month:	8.7 %
6 months:	-3.1 %
Year to date:	-22.1 %
Trailing 12 months:	57.5 %

Company events:	
29.04.22	FY 2021
13.05.22	Q1
12.08.22	Q2
14.11.22	Q3

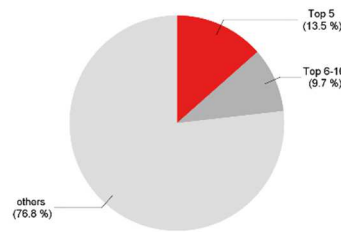
FY End: 31.12. in EUR m	CAGR (20-23e)	2017	2018	2019	2020	2021e	2022e	2023e
Sales	26.0 %	210.6	287.3	402.4	430.4	546.0	700.0	861.0
Change Sales yoy		n.a.	36.5 %	40.1 %	6.9 %	26.9 %	28.2 %	23.0 %
gross margin (company reporting)		30.5 %	31.3 %	32.1 %	32.6 %	28.6 %	27.7 %	30.6 %
EBITDA adj.		25.5	34.3	55.0	76.2	79.5	101.2	135.2
Margin		12.1 %	12.0 %	13.7 %	17.7 %	14.6 %	14.5 %	15.7 %
EBITDA	25.0 %	21.4	32.3	61.6	66.2	69.5	95.2	129.2
Margin		10.1 %	11.2 %	15.3 %	15.4 %	12.7 %	13.6 %	15.0 %
EBIT	25.6 %	11.3	18.6	42.4	44.5	43.3	59.9	88.2
Margin		5.4 %	6.5 %	10.5 %	10.3 %	7.9 %	8.6 %	10.2 %
Net income before minorities		3.7	8.2	30.4	24.4	26.7	38.2	58.6
Net income	47.0 %	3.1	6.9	25.5	18.4	26.7	38.2	58.6
EPS	37.9 %	n.a.	n.a.	n.a.	1.62	1.94	2.77	4.25
FCFPS		n.a.	n.a.	n.a.	4.24	1.07	1.50	2.86
FCF / Market cap		n.a.	n.a.	n.a.	5.0 %	0.8 %	1.1 %	2.2 %
EV / Sales		n.a.	n.a.	n.a.	2.4 x	3.5 x	2.7 x	2.2 x
EV / EBIT adj.		n.a.	n.a.	n.a.	21.9 x	40.4 x	28.8 x	20.0 x
EV / EBIT		n.a.	n.a.	n.a.	23.6 x	44.2 x	31.7 x	21.1 x
P / E		n.a.	n.a.	n.a.	52.6 x	67.5 x	47.3 x	30.8 x
Net Debt		46.9	67.4	86.0	80.8	109.4	91.3	54.8
ROCE (NOPAT)		12.4 %	8.9 %	23.0 %	21.0 %	21.0 %	22.7 %	29.3 %
Guidance:		2021: revenue: EUR 525m; adj. EBITDA margin: approx. 14%						

Sales development
in EUR m



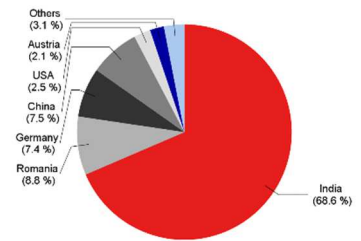
Source: Warburg Research

Customer split
2020



Source: Company

IT engineers by region
2020



Source: Warburg Research

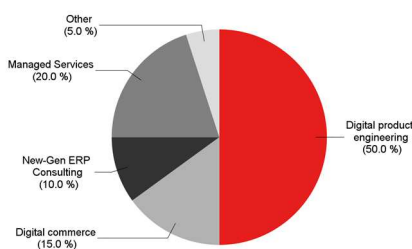
Company Background

- Nagarro provides technology and custom software development services for digital transformation,...
- ...with a focus on disruptive technologies such as artificial intelligence, big data, and internet of things.
- Complementary business fields such as managed services, e-commerce solutions or ERP consulting complete the offering.
- While the majority of revenue is generated in higher price countries, Nagarro is able to serve this demand with access to experts in regions associated with lower costs.

Competitive Quality

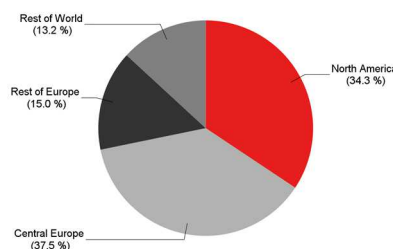
- Nagarro is a trusted and valued digitalisation partner developing tailor-made software to achieve competitive differentiation for its clients.
- Technological focus and expertise position the company as an IT engineering expert rather than a consulting or services company.
- Proprietary software Ginger supports collaboration, a decentralised organisational structure which provides access to IT talent and enables Nagarro to serve both, small and large companies around the globe.
- Organizational design and processes allow Nagarro to cross-fertilize knowledge across the global organisation and adapt quickly to new technologies and client needs with lean and agile teams and short time-to-market.
- Access to scarce IT specialists: Nagarro's approx. 8,000 IT experts e.g. in India, China or Romania have a strong footprint in future-oriented technologies such as cloud, AI, IoT, deep learning or big data.

Revenue by service line
estimates / approx.



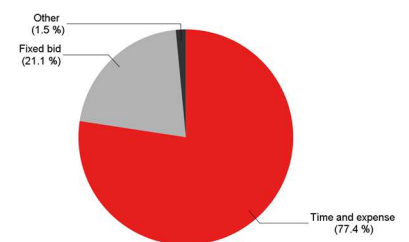
Source: Estimate Warburg Research

Sales by segments
2020; in %



Source: Warburg Research

Revenue by contract type
2020



Source: Warburg Research

DCF model

Figures in EUR m	Detailed forecast period			Transitional period										Term. Value
	2021e	2022e	2023e	2024e	2025e	2026e	2027e	2028e	2029e	2030e	2031e	2032e	2033e	
Sales	546.0	700.0	861.0	1,033.2	1,227.4	1,444.4	1,684.3	1,947.3	2,233.1	2,541.2	2,870.8	3,220.8	3,285.2	
Sales change	26.9 %	28.2 %	23.0 %	20.0 %	18.8 %	17.7 %	16.6 %	15.6 %	14.7 %	13.8 %	13.0 %	12.2 %	2.0 %	2.0 %
EBIT	43.3	59.9	88.2	103.3	135.0	158.9	185.3	214.2	245.6	279.5	315.8	354.3	361.4	
EBIT-margin	7.9 %	8.6 %	10.2 %	10.0 %	11.0 %	11.0 %	11.0 %	11.0 %	11.0 %	11.0 %	11.0 %	11.0 %	11.0 %	
Tax rate (EBT)	27.0 %	28.0 %	28.0 %	32.0 %	32.0 %	32.0 %	32.0 %	32.0 %	32.0 %	32.0 %	32.0 %	32.0 %	32.0 %	
NOPAT	31.6	43.1	63.5	70.3	91.8	108.0	126.0	145.7	167.0	190.1	214.7	240.9	245.7	
Depreciation	26.2	35.3	41.0	11.4	12.3	14.4	16.8	19.5	22.3	25.4	28.7	32.2	36.1	
in % of Sales	4.8 %	5.0 %	4.8 %	1.1 %	1.0 %	1.0 %	1.0 %	1.0 %	1.0 %	1.0 %	1.0 %	1.0 %	1.1 %	
Changes in provisions	0.5	0.5	1.0	1.6	1.8	2.0	2.2	2.4	2.7	2.9	3.1	3.3	0.6	
Change in Liquidity from														
- Working Capital	13.0	17.7	21.5	8.9	19.4	21.7	24.0	26.3	28.6	30.8	33.0	35.0	6.4	
- Capex	4.3	6.2	7.5	11.4	13.5	15.9	18.5	21.4	24.6	28.0	31.6	35.4	36.1	
Capex in % of Sales	0.8 %	0.9 %	0.9 %	1.1 %	1.1 %	1.1 %	1.1 %	1.1 %	1.1 %	1.1 %	1.1 %	1.1 %	1.1 %	
- Other	22.4	28.7	35.3	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)	18.7	26.4	41.3	62.9	73.0	86.9	102.5	119.9	138.9	159.6	182.0	205.9	239.9	245
PV of FCF	18.7	24.6	36.0	51.2	55.4	61.6	67.8	74.0	80.1	85.9	91.4	96.6	105.0	2,090
share of PVs	2.70 %			26.18 %										71.12 %

Model parameter

Derivation of WACC:		Derivation of Beta:	
Debt ratio	6.20 %	Financial Strength	1.00
Cost of debt (after tax)	2.4 %	Liquidity (share)	1.10
Market return	7.00 %	Cyclicality	1.10
Risk free rate	1.50 %	Transparency	1.10
		Others	1.10
WACC	7.13 %	Beta	1.08

Valuation (m)

Present values 2033e	848		
Terminal Value	2,090		
Financial liabilities	183		
Pension liabilities	6		
Hybrid capital	0		
Minority interest	0		
Market val. of investments	0		
Liquidity	68	No. of shares (m)	13.8
Equity Value	2,817	Value per share (EUR)	204.49

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
1.27	8.1 %	149.85	153.66	157.78	162.23	167.06	172.32	178.07	1.27	8.1 %	136.49	145.07	153.65	162.23	170.81	179.39	187.97
1.18	7.6 %	166.03	170.73	175.84	181.40	187.48	194.15	201.50	1.18	7.6 %	152.94	162.43	171.91	181.40	190.88	200.37	209.85
1.13	7.4 %	175.17	180.42	186.14	192.39	199.24	206.81	215.19	1.13	7.4 %	162.37	172.38	182.38	192.39	202.39	212.39	222.40
1.08	7.1 %	185.13	191.01	197.44	204.49	212.27	220.89	230.49	1.08	7.1 %	172.77	183.34	193.92	204.49	215.07	225.64	236.22
1.03	6.9 %	196.03	202.64	209.89	217.89	226.75	236.63	247.70	1.03	6.9 %	184.27	195.48	206.69	217.89	229.10	240.31	251.51
0.98	6.6 %	208.00	215.46	223.68	232.80	242.95	254.34	267.19	0.98	6.6 %	197.07	208.98	220.89	232.80	244.70	256.61	268.52
0.89	6.1 %	235.78	245.42	256.17	268.22	281.82	297.29	315.06	0.89	6.1 %	227.50	241.07	254.64	268.22	281.79	295.36	308.93

- Slight EBIT margin expansion anticipated
- Other: IFRS 16 impact in the detailed forecast. Depreciation and capex at same levels thereafter.

Valuation	2017	2018	2019	2020	2021e	2022e	2023e
Price / Book	n.a.	n.a.	n.a.	22.2 x	29.0 x	16.3 x	10.7 x
Book value per share ex intangibles	n.a.	n.a.	n.a.	-5.54	-6.36	-2.88	1.29
EV / Sales	n.a.	n.a.	n.a.	2.4 x	3.5 x	2.7 x	2.2 x
EV / EBITDA	n.a.	n.a.	n.a.	15.9 x	27.5 x	19.9 x	14.4 x
EV / EBIT	n.a.	n.a.	n.a.	23.6 x	44.2 x	31.7 x	21.1 x
EV / EBIT adj.*	n.a.	n.a.	n.a.	21.9 x	40.4 x	28.8 x	20.0 x
P / FCF	n.a.	n.a.	n.a.	20.1 x	122.0 x	87.6 x	45.7 x
P / E	n.a.	n.a.	n.a.	52.6 x	67.5 x	47.3 x	30.8 x
P / E adj.*	n.a.	n.a.	n.a.	52.6 x	67.5 x	47.3 x	30.8 x
Dividend Yield	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
FCF Potential Yield (on market EV)	n.a.	n.a.	n.a.	3.0 %	1.7 %	2.4 %	3.4 %

*Adjustments made for: -

Company Specific Items	2017	2018	2019	2020	2021e	2022e	2023e
gross profit (company reporting)	64.2	89.9	129.1	140.2	156.1	193.7	263.6
gross margin (company reporting)	30.5 %	31.3 %	32.1 %	32.6 %	28.6 %	27.7 %	30.6 %

Consolidated profit & loss

In EUR m	2017	2018	2019	2020	2021e	2022e	2023e
Sales	210.6	287.3	402.4	430.4	546.0	700.0	861.0
Change Sales yoy	n.a.	36.5 %	40.1 %	6.9 %	26.9 %	28.2 %	23.0 %
Increase / decrease in inventory	-1.3	0.0	0.0	0.0	0.0	0.0	0.0
Own work capitalised	0.0	0.5	0.9	0.3	1.0	1.5	1.9
Material expenses	31.6	39.9	49.1	49.2	60.6	79.8	97.3
Personnel expenses	128.0	179.8	254.7	271.7	360.4	455.0	548.5
Other operating income	6.3	2.4	12.7	11.6	6.0	7.0	8.0
Other operating expenses	34.6	37.4	49.8	53.3	59.5	73.5	90.4
Unfrequent items	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EBITDA	21.4	32.3	61.6	66.2	69.5	95.2	129.2
<i>Margin</i>	<i>10.1 %</i>	<i>11.2 %</i>	<i>15.3 %</i>	<i>15.4 %</i>	<i>12.7 %</i>	<i>13.6 %</i>	<i>15.0 %</i>
Depreciation of fixed assets	7.3	10.4	15.7	16.9	22.5	28.8	35.4
EBITA	14.1	21.9	45.9	49.3	47.0	66.4	93.8
Amortisation of intangible assets	2.8	3.3	3.5	4.7	3.7	6.5	5.6
Goodwill amortisation	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EBIT	11.3	18.6	42.4	44.5	43.3	59.9	88.2
<i>Margin</i>	<i>5.4 %</i>	<i>6.5 %</i>	<i>10.5 %</i>	<i>10.3 %</i>	<i>7.9 %</i>	<i>8.6 %</i>	<i>10.2 %</i>
EBIT adj.	12.7	20.8	45.4	48.0	47.3	65.9	93.2
Interest income	0.9	0.5	0.2	0.5	0.2	0.2	0.2
Interest expenses	3.9	4.6	5.5	7.3	7.0	7.0	7.0
Other financial income (loss)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EBT	8.2	14.4	37.2	37.7	36.5	53.1	81.4
<i>Margin</i>	<i>3.9 %</i>	<i>5.0 %</i>	<i>9.2 %</i>	<i>8.8 %</i>	<i>6.7 %</i>	<i>7.6 %</i>	<i>9.5 %</i>
Total taxes	4.6	6.2	6.8	13.4	9.9	14.9	22.8
Net income from continuing operations	3.7	8.2	30.4	24.4	26.7	38.2	58.6
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	3.7	8.2	30.4	24.4	26.7	38.2	58.6
Minority interest	0.6	1.3	4.9	5.9	0.0	0.0	0.0
Net income	3.1	6.9	25.5	18.4	26.7	38.2	58.6
<i>Margin</i>	<i>1.5 %</i>	<i>2.4 %</i>	<i>6.3 %</i>	<i>4.3 %</i>	<i>4.9 %</i>	<i>5.5 %</i>	<i>6.8 %</i>
Number of shares, average	n.a.	n.a.	n.a.	11.4	13.8	13.8	13.8
EPS	n.a.	n.a.	n.a.	1.62	1.94	2.77	4.25
EPS adj.	n.a.	n.a.	n.a.	1.62	1.94	2.77	4.25

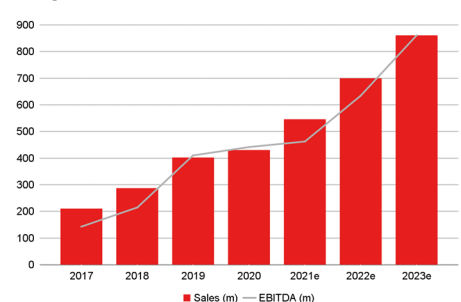
*Adjustments made for:

Guidance: 2021: revenue: EUR 525m; adj. EBITDA margin: approx. 14%

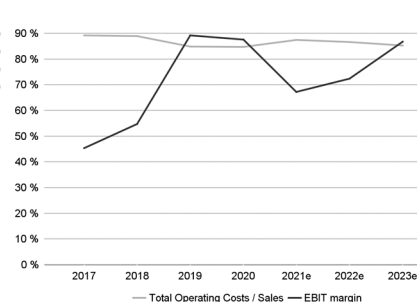
Financial Ratios

	2017	2018	2019	2020	2021e	2022e	2023e
Total Operating Costs / Sales	89.2 %	88.9 %	84.9 %	84.7 %	87.5 %	86.6 %	85.2 %
Operating Leverage	n.a.	1.8 x	3.2 x	0.7 x	-0.1 x	1.4 x	2.1 x
EBITDA / Interest expenses	5.4 x	7.0 x	11.2 x	9.1 x	9.9 x	13.6 x	18.5 x
Tax rate (EBT)	55.7 %	43.3 %	18.2 %	35.5 %	27.0 %	28.0 %	28.0 %
Dividend Payout Ratio	n.a.	n.a.	n.a.	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.

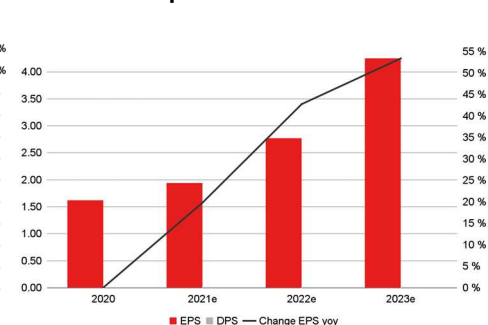
Sales, EBITDA in EUR m



Operating Performance in %



Performance per Share



Source: Warburg Research

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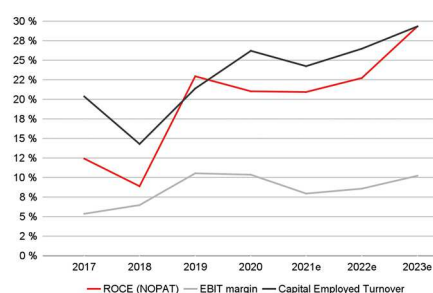
Consolidated balance sheet

In EUR m	2017	2018	2019	2020	2021e	2022e	2023e
Assets							
Goodwill and other intangible assets	45.5	107.7	111.4	106.9	149.9	150.4	151.1
thereof other intangible assets	5.8	10.2	9.0	11.0	32.6	33.1	33.8
thereof Goodwill	39.0	97.5	102.4	95.9	117.3	117.3	117.3
Property, plant and equipment	4.2	6.7	7.2	6.4	9.6	14.3	20.2
Financial assets	3.6	3.4	2.7	3.0	3.0	3.0	3.0
Other long-term assets	28.0	47.3	54.9	51.7	57.0	85.7	106.3
Fixed assets	81.3	165.0	176.2	168.0	219.5	253.5	280.7
Inventories	0.3	0.1	0.0	0.1	0.1	0.2	0.3
Accounts receivable	50.3	75.0	80.3	73.9	97.2	126.6	160.4
Liquid assets	16.6	27.9	43.8	107.7	65.2	83.8	121.3
Other short-term assets	17.7	29.1	41.7	37.1	41.0	47.5	52.0
Current assets	84.8	132.1	165.8	218.8	203.5	258.1	334.0
Total Assets	166.1	297.1	342.0	386.8	423.0	511.6	614.7
Liabilities and shareholders' equity							
Shareholders' equity	28.0	74.5	50.2	43.8	62.3	110.8	168.9
Minority interest	5.4	14.4	9.7	2.7	3.0	3.0	4.0
Total equity	33.5	88.9	59.9	46.5	65.3	113.8	172.9
Provisions	12.6	20.9	25.5	33.2	34.5	37.0	40.0
thereof provisions for pensions and similar obligations	2.5	3.2	4.4	6.0	6.5	7.0	8.0
Financial liabilities (total)	60.9	92.1	125.3	182.6	168.2	168.2	168.2
Short-term financial liabilities	3.5	5.7	5.3	14.4	0.0	0.0	0.0
Accounts payable	14.3	17.4	16.1	22.2	28.4	36.4	44.8
Other liabilities	45.0	77.8	115.1	102.4	126.6	156.2	188.9
Liabilities	132.7	208.2	282.0	340.3	357.7	397.8	441.8
Total liabilities and shareholders' equity	166.1	297.1	342.0	386.8	423.0	511.6	614.7

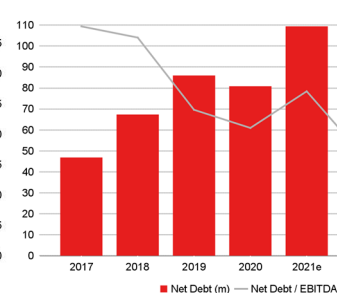
Financial Ratios

	2017	2018	2019	2020	2021e	2022e	2023e
Efficiency of Capital Employment							
Operating Assets Turnover	5.2 x	4.8 x	6.3 x	8.8 x	8.4 x	8.0 x	7.5 x
Capital Employed Turnover	2.6 x	1.8 x	2.8 x	3.4 x	3.1 x	3.4 x	3.8 x
ROA	3.8 %	4.2 %	14.5 %	11.0 %	12.2 %	15.1 %	20.9 %
Return on Capital							
ROCE (NOPAT)	12.4 %	8.9 %	23.0 %	21.0 %	21.0 %	22.7 %	29.3 %
ROE	21.8 %	13.4 %	40.8 %	39.2 %	50.3 %	44.2 %	41.9 %
Adj. ROE	21.8 %	13.4 %	40.8 %	39.2 %	50.3 %	44.2 %	41.9 %
Balance sheet quality							
Net Debt	46.9	67.4	86.0	80.8	109.4	91.3	54.8
Net Financial Debt	44.3	64.2	81.6	74.8	102.9	84.3	46.8
Net Gearing	140.1 %	75.8 %	143.4 %	173.7 %	167.6 %	80.2 %	31.7 %
Net Fin. Debt / EBITDA	207.6 %	198.8 %	132.4 %	113.1 %	148.0 %	88.6 %	36.2 %
Book Value / Share	n.a.	n.a.	n.a.	3.8	4.5	8.0	12.3
Book value per share ex intangibles	n.a.	n.a.	n.a.	-5.5	-6.4	-2.9	1.3

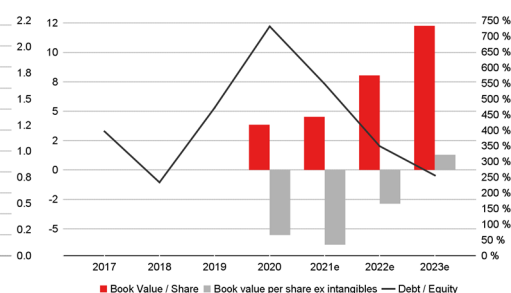
ROCE Development



Net debt in EUR m



Book Value per Share in EUR



Source: Warburg Research

Source: Warburg Research

Source: Warburg Research

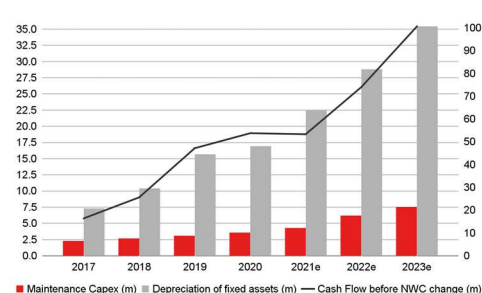
Consolidated cash flow statement

In EUR m	2017	2018	2019	2020	2021e	2022e	2023e
Net income	3.7	8.2	30.4	24.4	26.7	38.2	58.6
Depreciation of fixed assets	7.3	10.4	15.7	16.9	22.5	28.8	35.4
Amortisation of goodwill	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Amortisation of intangible assets	2.8	3.3	3.5	4.7	3.7	6.5	5.6
Increase/decrease in long-term provisions	0.3	0.6	0.4	1.2	0.5	0.5	1.0
Other non-cash income and expenses	2.3	3.1	-2.9	6.6	0.0	0.0	0.0
Cash Flow before NWC change	16.4	25.6	47.1	53.8	53.4	74.0	100.7
Increase / decrease in inventory	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Increase / decrease in accounts receivable	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Increase / decrease in accounts payable	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Increase / decrease in other working capital positions	-10.8	-17.0	-6.3	15.6	-11.9	-18.6	-18.4
Increase / decrease in working capital (total)	-10.8	-17.0	-6.3	15.6	-11.9	-18.6	-18.4
Net cash provided by operating activities [1]	5.5	8.6	40.9	69.4	41.4	55.5	82.3
Investments in intangible assets	0.0	0.0	-1.3	-1.0	-1.0	-1.3	-1.5
Investments in property, plant and equipment	-2.3	-2.7	-1.8	-2.6	-3.3	-4.9	-6.0
Payments for acquisitions	-4.1	5.0	-2.9	-7.8	-42.9	-2.0	-2.0
Financial investments	-0.3	0.4	-2.5	1.2	0.0	0.0	0.0
Income from asset disposals	0.0	0.0	0.4	0.1	0.0	0.0	0.0
Net cash provided by investing activities [2]	-6.7	2.7	-8.0	-10.1	-47.1	-8.2	-9.5
Change in financial liabilities	9.0	4.3	-3.3	23.9	-14.4	0.0	0.0
Dividends paid	0.0	0.0	0.0	0.0	0.0	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	0.1	0.0	0.0	0.0
Other	-6.5	-8.1	-13.8	-17.5	-22.4	-28.7	-35.3
Net cash provided by financing activities [3]	2.5	-3.9	-17.1	6.5	-36.8	-28.7	-35.3
Change in liquid funds [1]+[2]+[3]	1.3	7.5	15.7	65.8	-42.5	18.6	37.5
Effects of exchange-rate changes on cash	-0.7	0.4	0.4	-1.4	0.0	0.0	0.0
Cash and cash equivalent at end of period	0.7	24.4	44.0	108.1	65.2	83.8	121.3

Financial Ratios

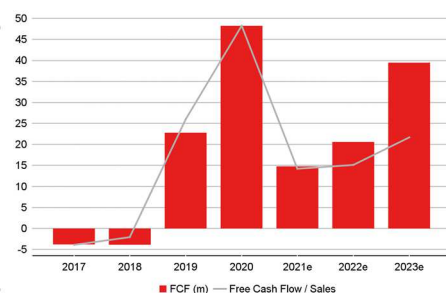
	2017	2018	2019	2020	2021e	2022e	2023e
Cash Flow							
FCF	-3.8	-3.9	22.8	48.2	14.8	20.6	39.5
Free Cash Flow / Sales	-1.8 %	-1.3 %	5.7 %	11.2 %	2.7 %	2.9 %	4.6 %
Free Cash Flow Potential	14.5	13.6	36.8	31.6	33.0	45.5	63.6
Free Cash Flow / Net Profit	-124.2 %	-56.5 %	89.4 %	261.5 %	55.4 %	53.9 %	67.3 %
Interest Received / Avg. Cash	10.8 %	2.1 %	0.6 %	0.7 %	0.2 %	0.3 %	0.2 %
Interest Paid / Avg. Debt	12.9 %	6.0 %	5.0 %	4.7 %	4.0 %	4.2 %	4.2 %
Management of Funds							
Investment ratio	1.1 %	0.9 %	0.8 %	0.8 %	0.8 %	0.9 %	0.9 %
Maint. Capex / Sales	1.1 %	0.9 %	0.8 %	0.8 %	0.8 %	0.9 %	0.9 %
Capex / Dep	22.7 %	19.4 %	16.1 %	16.5 %	16.3 %	17.6 %	18.3 %
Avg. Working Capital / Sales	8.6 %	15.5 %	13.6 %	11.5 %	8.9 %	9.2 %	9.7 %
Trade Debtors / Trade Creditors	352.3 %	431.9 %	500.3 %	332.8 %	342.3 %	347.8 %	358.0 %
Inventory Turnover	119.2 x	398.7 x	5452.4 x	387.1 x	606.1 x	399.0 x	324.3 x
Receivables collection period (days)	87	95	73	63	65	66	68
Payables payment period (days)	165	159	119	165	171	166	168
Cash conversion cycle (Days)	-75	-106	-103	-172	-188	-180	-180

CAPEX and Cash Flow in EUR m



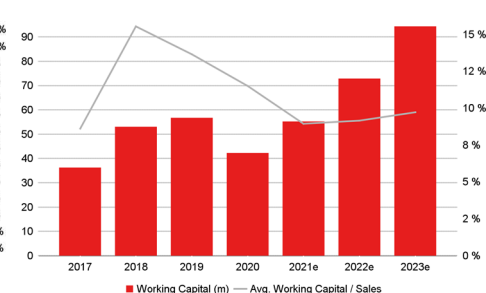
Source: Warburg Research

Free Cash Flow Generation



Source: Warburg Research

Working Capital



Source: Warburg Research

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Company	Disclosure	Link to the historical price targets and rating changes (last 12 months)
Nagarro	4, 5	http://www.mmwarburg.com/disclaimer/disclaimer_en/DE000A3H2200.htm

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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.

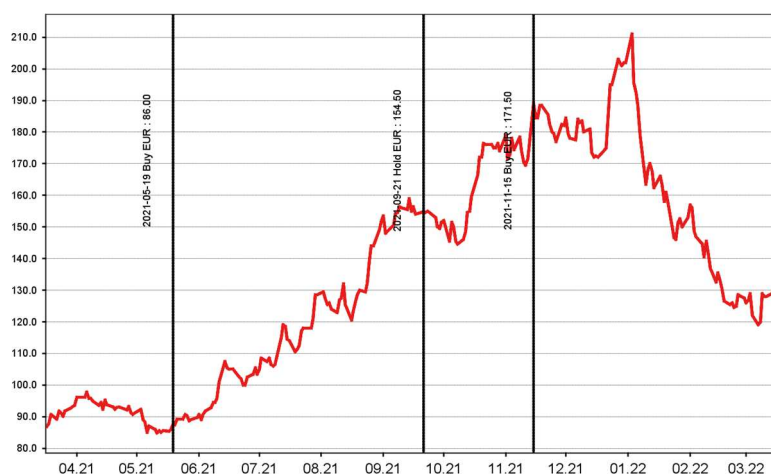
WARBURG RESEARCH GMBH – ANALYSED RESEARCH UNIVERSE BY RATING

Rating	Number of stocks	% of Universe
Buy	169	79
Hold	36	17
Sell	5	2
Rating suspended	3	1
Total	213	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	51	86
Hold	5	8
Sell	1	2
Rating suspended	2	3
Total	59	100

PRICE AND RATING HISTORY NAGARRO AS OF 16.03.2022


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

Matthias Rode +49 40 3282-2678
Head of Equities mrode@mmwarburg.com

RESEARCH

Michael Heider +49 40 309537-280
Head of Research mheider@warburg-research.com

Henner Rüschemier +49 40 309537-270
Head of Research hrueschmeier@warburg-research.com

Stefan Augustin +49 40 309537-168
Cap. Goods, Engineering saugustin@warburg-research.com

Jan Bauer +49 40 309537-155
Renewables jbauer@warburg-research.com

Jonas Blum +49 40 309537-240
Telco, Media, Construction jblum@warburg-research.com

Christian Cohrs +49 40 309537-175
Industrials & Transportation ccohrs@warburg-research.com

Dr. Christian Ehmann +49 40 309537-167
BioTech, Life Science cehmann@warburg-research.com

Felix Ellmann +49 40 309537-120
Software, IT fellmann@warburg-research.com

Jörg Philipp Frey +49 40 309537-258
Retail, Consumer Goods jfrey@warburg-research.com

Marius Fuhrberg +49 40 309537-185
Financial Services mfuhrberg@warburg-research.com

Mustafa Hidir +49 40 309537-230
Automobiles, Car Suppliers mhidir@warburg-research.com

Philipp Kaiser +49 40 309537-260
Real Estate pkaiser@warburg-research.com

Thilo Kleibauer +49 40 309537-257
Retail, Consumer Goods tkleibauer@warburg-research.com

Eggert Kuls +49 40 309537-256
Engineering ekuls@warburg-research.com

Andreas Pläsier +49 40 309537-246
Banks, Financial Services aplaesier@warburg-research.com

Malte Schaumann +49 40 309537-170
Technology mschaumann@warburg-research.com

Oliver Schwarz +49 40 309537-250
Chemicals, Agriculture oschwarz@warburg-research.com

Simon Stippig +49 40 309537-265
Real Estate sstippig@warburg-research.com

Cansu Tatar +49 40 309537-248
Cap. Goods, Engineering ctatar@warburg-research.com

Marc-René Tonn +49 40 309537-259
Automobiles, Car Suppliers mtonn@warburg-research.com

Robert-Jan van der Horst +49 40 309537-290
Technology rvanderhorst@warburg-research.com

Andreas Wolf +49 40 309537-140
Software, IT awolf@warburg-research.com

INSTITUTIONAL EQUITY SALES

Marc Niemann +49 40 3282-2660
Head of Equity Sales, Germany mniemann@mmwarburg.com

Klaus Schilling +49 69 5050-7400
Head of Equity Sales, Germany kschilling@mmwarburg.com

Tim Beckmann +49 40 3282-2665
United Kingdom tbeckmann@mmwarburg.com

Lea Bogdanova +49 69 5050-7411
United Kingdom, Ireland lbogdanova@mmwarburg.com

Jens Buchmüller +49 69 5050-7415
Scandinavia, Austria jbuchmueller@mmwarburg.com

Alexander Eschweiler +49 40 3282-2669
Germany, Luxembourg aeschweiler@mmwarburg.com

Matthias Fritsch +49 40 3282-2696
United Kingdom mfritsch@mmwarburg.com

Maximilian Martin +49 69 5050-7413
Austria, Poland mmartin@mmwarburg.com

Christopher Seedorf +49 40 3282-2695
Switzerland cseedorf@mmwarburg.com

Sophie Hauer +49 69 5050-7417
Roadshow/Marketing shauer@mmwarburg.com

Juliane Niemann +49 40 3282-2694
Roadshow/Marketing jniemann@mmwarburg.com

SALES TRADING

Oliver Merckel +49 40 3282-2634
Head of Sales Trading omerckel@mmwarburg.com

Elyaz Dust +49 40 3282-2702
Sales Trading edust@mmwarburg.com

Michael Ilgenstein +49 40 3282-2700
Sales Trading milgenstein@mmwarburg.com

Marcel Magiera +49 40 3282-2662
Sales Trading mmagiera@mmwarburg.com

Bastian Quast +49 40 3282-2701
Sales Trading bquast@mmwarburg.com

Jörg Treptow +49 40 3282-2658
Sales Trading jtreptow@mmwarburg.com

MACRO RESEARCH

Carsten Klude +49 40 3282-2572
Macro Research cklude@mmwarburg.com

Dr. Christian Jasperneite +49 40 3282-2439
Investment Strategy cjasperneite@mmwarburg.com

Our research can be found under:

Warburg Research research.mmwarburg.com/en/index.html
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FactSet www.factset.com

Refinitiv www.refinitiv.com
Capital IQ www.capitaliq.com

For access please contact:

Andrea Schaper +49 40 3282-2632
Sales Assistance aschaper@mmwarburg.com

Kerstin Muthig +49 40 3282-2703
Sales Assistance kmuthig@mmwarburg.com