(Scale All Share, Software/IT, EXL GR)



D.m.		Value Indicators:	EUR	Warburg ESG Risk Score:	3.5	Description:	
Buy		DCF:	11.09	ESG Score (MSCI based):	n.a.	Exasol develops and offers	
44.00				Balance Sheet Score:	5.0	performance data warehous	ing and
EUR 11.00	(EUR 11.50)			Market Liquidity Score:	2.0	data analytics solutions	
		Market Snapshot:	EUR m	Shareholders:		Key Figures (WRe):	2023e
		Market cap:	71.9	Freefloat	61.50 %	Beta:	1.4
Price	EUR 2.68	No. of shares (m):	26.9	Supervisory board	28.70 %	Price / Book:	5.9 x
Upside	311.2 %	EV:	55.5	Management	0.30 %	Equity Ratio:	50 %
	VIII_ /V	Freefloat MC:	44.2	Hesz'sche Privatstiftung	7.10 %		
		Ø Trad. Vol. (30d):	117.07 th	Treasury stocks	2.40 %		

Major project postponements slow down ARR growth

Exasol preliminary Q	2 23 figures											
in EUR m	Q1/21	Q2/21	Q3/21	Q4/21	Q1/22	Q2/22	Q3/22	Q4/22	Q1/23	Q2/23p	2022	2023e
ARR yoy qoq	25.3 37.3% 5.0%	26.5 27.4% 4.7%	27.5 27.9% 3.8%	30.5 19.4% 10.9%	31.1 22.9% 2.0%	32.1 21.1% 3.2%	33.9 23.3% 5.6%	35.6 16.7% 5.0%	35.8 15.1% 0.6%	36.3 13.0% 1.3%	35.6 16.7%	42.5 19.4%
adj. EBITDA margin	- 5.1 -83.6%	-10.4 -150.7%	-8.7 -139.8%	10.8 131.4%	-3.8 -49.4%	-2.2 -26.2%	-2.7 -31.4%	-4.7 -55.5%	-1.5 -16.5%	-1.9 -21.6%	-13.4 -48.7%	-2.9 -
Liquid funds Cash burn	56.6 12.9	46.6 10.0	33.4 13.2	27.2 6.2	26.6 0.6	19.3 7.3	16.9 2.4	12.7 4.2	13.7 -1.0	13.7 0.0	12.7 56.8	16.4 -3.7

Exasol has published preliminary results for Q2, confirmed its full-year guidance for ARR and adj. EBITDA, and increased the targets for the liquid funds. The ARR came in at EUR 36.3m (+13% yoy) which surpassed Q1 by just EUR 0.5m and fell short of our expectations (EUR 37.2m). The weak ARR development was the result of postponements of several larger customer projects. The management expects those projects to be closed in H2, and thus confirmed the ARR target of EUR 42.5-44.0m by the end of the year.

Sales increased by 7% to EUR 9.0m, in line with our expectations. Progress on cost efficiency also remained on schedule. EBITDA improved from EUR -2.2m last year to EUR -1.2m in Q2 2023 and the FY EBITDA target (EUR -3m to -1m) was confirmed. The YTD cash burn was reduced from EUR -7.9m in H1 22 to EUR -1.0m this year. After the capital increase at the end of June, which yielded net proceeds of EUR 6.8m, the expectation for liquid funds at the end of the year was raised from EUR 9-11m to EUR 15.8-17.8m.

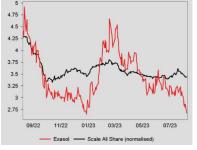
Considering the currently challenging market environment, there should be an increased risk of further project postponements or reductions in project size. Against this background, we have adjusted our ARR estimate for the full year from EUR 43.5m to EUR 42.5m, the lower end of the target range. As a result of the expectation of lower and more back-end loaded ARR, we have also reduced our sales and EBITDA outlook slightly. For the subsequent years, we have adjusted our ARR and sales forecast slightly. We still expect the EBITDA breakeven next year.

Based on our adjusted estimates, we reduce our target price from EUR 11.50 to EUR 11.00. Although the current economic environment and the focus on larger, more complex customer projects might temporarily slow down growth, we expect a return to profitability and an acceleration in growth momentum next year. The Buy recommendation is confirmed.

Changes in E	Estimates:					
FY End: 31.12.	2023e	+/-	2024e	+ / -	2025e	+/-
in EUR m	(old)		(old)		(old)	
ARR	43.5	-2.2 %	53.6	-2.1 %	69.2	-1.8 %
Sales	40.7	-4.6 %	48.6	-2.1 %	60.8	-1.9 %
EBITDA	-2.7	n.m.	1.4	-70.6 %	9.6	-11.4 %
EPS	-0.23	0.0 %	0.02	n.m.	0.25	-16.0 %

Comment on Changes:

- 2022: Estimates slightly reduced to reflect project postponements
- Slightly more cautious ARR and sales growth forecast due to the less certain economic environment
- The more significant EBITDA effect is a result of the high scalability of the business model



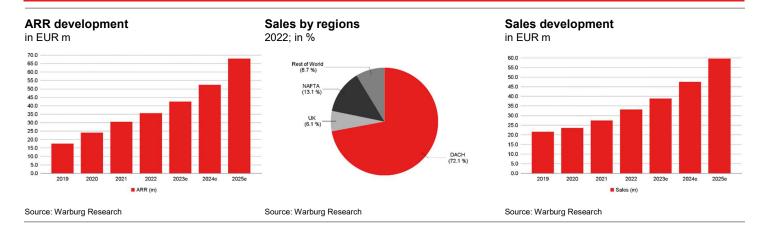
Rel. Performance vs	Scale All
1 month:	-13.1 %
6 months:	-26.6 %
Year to date:	-8.6 %
Trailing 12 months:	-18.8 %
-	

Company events:	
16.08.23	Q2
14.11.23	Q3

FY End: 31.12. in EUR m	CAGR (22-25e)	2019	2020	2021	2022	2023e	2024e	2025e
ARR	24.1 %	17.6	24.1	30.5	35.6	42.5	52.5	68.0
Sales	21.6 %	21.6	23.6	27.5	33.2	38.9	47.6	59.7
Change Sales yoy		22.0 %	9.2 %	16.4 %	20.9 %	17.1 %	22.4 %	25.3 %
Gross profit margin		97.3 %	94.5 %	96.5 %	93.6 %	92.6 %	93.0 %	93.0 %
EBITDA	-	-11.0	-29.9	-25.7	-12.2	-2.9	0.4	8.5
Margin		-50.7 %	-126.9 %	-93.5 %	-36.7 %	-7.6 %	0.8 %	14.2 %
EBIT	-	-13.2	-34.1	-28.5	-14.9	-5.8	-0.4	5.6
Margin		-60.8 %	-144.5 %	-103.8 %	-45.0 %	-14.9 %	-0.9 %	9.4 %
EBIT adj.		-4.1	-11.6	-34.4	-16.1	-5.8	-0.4	5.6
Margin		-18.7 %	-49.2 %	-125.3 %	-48.6 %	-14.9 %	-0.9 %	9.4 %
Net income	-	-14.0	-34.3	-29.3	-15.0	-6.0	-0.5	5.6
EPS	-	-0.89	-1.70	-1.45	-0.61	-0.23	-0.02	0.21
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		-0.03	-0.70	-2.01	-0.60	-0.12	-0.01	0.29
FCF / Market cap		n.a.	-4.1 %	-11.7 %	-12.8 %	-4.3 %	-0.4 %	10.8 %
EV / Sales		n.a.	11.8 x	11.6 x	3.0 x	1.4 x	1.2 x	0.8 >
EV / EBITDA		n.a.	n.a.	n.a.	n.a.	n.a.	140.2 x	5.7 >
EV / EBIT		n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	8.5 >
P/E		n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	12.7 >
FCF Potential Yield		n.a.	-10.8 %	-8.3 %	-12.1 %	-5.5 %	0.7 %	17.9 %
Net Debt		1.6	-69.4	-27.2	-12.7	-16.4	-16.2	-24.0
Guidance: A	ARR EUR 42.	5-44.0m, ad	j. EBITDA EI	JR -3m to -1r	n, liquid fund	s EUR 15.8-1	7.8m	

Analyst



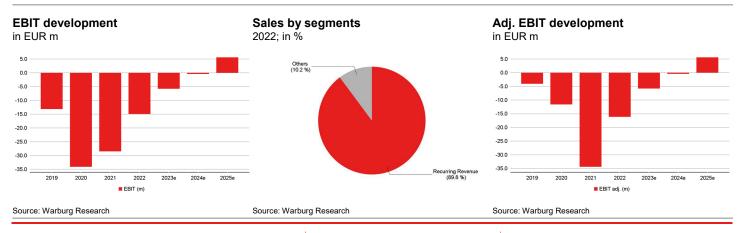


Company Background

- Exasol, headquartered in Nuremberg, Germany, is a technologically leading provider of database solutions for high-performance data warehousing and data analytics
- With its origins as a university spin-off, the company has a history of more than two decades in data science, especially in the field of high-performance computing
- The leading performance of its database solutions is based on a deeply integrated in-memory and massively parallel processing (MPP)
 architecture
- The customer base consists of approx. 200 enterprises worldwide from a variety of industries including top-tier companies such as adidias, Zalando, Revolut and Piedmont Healthcare
- While the company is currently expanding its geographical footprint, the largest part of its revenue (70.3%) is still generated in the DACH region, followed by Northern America with 13.1% and the UK with 6.8%

Competitive Quality

- Exasol offers the world's fastest database for data analytics and data warehousing according to the relevant independent benchmark research
- Leading technology based on more than two decades in high-performance computing, massive parallel processing and in-memory technology deeply rooted in its database architecture
- Surveys show best-in-class customer satisfaction with the solutions and the customer support as reflected in a low churn-rate
- High scalability through R&D focuses on core application with a vast array of applications and automated deployment and tuning algorithms
- Increasing sales share of subscription-based recurring revenue reached 80.5% in 2020 and, in combination with high customer loyalty, provides a high level of visibility





DCF model														
	Detaile	d forecas	t period				٦	Γransition	al period					Term. Value
Figures in EUR m	2023e	2024e	2025e	2026e	2027e	2028e	2029e	2030e	2031e	2032e	2033e	2034e	2035e	
Sales	38.9	47.6	59.7	74.6	92.8	115.1	141.6	171.3	203.9	238.6	272.0	293.7	301.1	
Sales change	17.1 %	22.4 %	25.3 %	25.0 %	24.5 %	24.0 %	23.0 %	21.0 %	19.0 %	17.0 %	14.0 %	8.0 %	2.5 %	2.5 %
EBIT	-5.8	-0.4	5.6	8.2	13.0	19.6	26.9	36.0	44.9	54.9	65.3	73.4	75.3	
EBIT-margin	-14.9 %	-0.9 %	9.4 %	11.0 %	14.0 %	17.0 %	19.0 %	21.0 %	22.0 %	23.0 %	24.0 %	25.0 %	25.0 %	
Tax rate (EBT)	-2.0 %	-2.0 %	0.0 %	14.0 %	17.0 %	19.0 %	21.0 %	23.0 %	25.0 %	27.0 %	29.0 %	30.0 %	30.0 %	
NOPAT	-5.9	-0.4	5.6	7.1	10.8	15.9	21.3	27.7	33.6	40.1	46.3	51.4	52.7	
Depreciation	2.8	0.8	2.9	3.2	3.5	3.8	4.2	5.1	6.1	7.2	8.2	8.8	9.0	
in % of Sales	7.3 %	1.7 %	4.8 %	4.3 %	3.8 %	3.3 %	3.0 %	3.0 %	3.0 %	3.0 %	3.0 %	3.0 %	3.0 %	
Changes in provisions	-5.5	0.0	0.0	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Change in Liquidity from														
- Working Capital	0.0	0.1	0.2	-0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
- Capex	0.4	0.5	0.5	2.2	2.8	3.5	4.2	5.1	6.1	7.2	8.2	8.8	9.0	
Capex in % of Sales	1.0 %	0.9 %	0.8 %	3.0 %	3.0 %	3.0 %	3.0 %	3.0 %	3.0 %	3.0 %	3.0 %	3.0 %	3.0 %	
- Other	-7.0	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)	-2.0	-0.2	7.8	8.4	11.5	16.2	21.3	27.7	33.6	40.1	46.3	51.4	52.7	43
PV of FCF	-1.9	-0.1	6.2	6.0	7.5	9.5	11.3	13.3	14.6	15.7	16.4	16.5	15.3	155
share of PVs		1.43 %						44.12	2 %					54.45 %

Model parameter				Valuation (m)			
Derivation of WACC:		Derivation of Beta:		Present values 2035e	130		
				Terminal Value	155		
Debt ratio	0.00 %	Financial Strength	1.60	Financial liabilities	0		
Cost of debt (after tax)	4.2 %	Liquidity (share)	1.60	Pension liabilities	0		
Market return	8.25 %	Cyclicality	0.80	Hybrid capital	0		
Risk free rate	2.75 %	Transparency	1.50	Minority interest	0		
		Others	1.60	Market val. of investments	0		
				Liquidity	13	No. of shares (m)	26.9
WACC	10.56 %	Beta	1.42	Equity Value	298	Value per share (EUR)	11.09

Sens	itivity va	lue per Sh	are (EUR)													
		Terminal (Growth								Delta EBIT	Γ-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
1.60	11.6 %	9.21	9.32	9.44	9.56	9.69	9.83	9.97	1.60	11.6 %	8.83	9.07	9.32	9.56	9.80	10.04	10.29
1.51	11.1 %	9.86	9.99	10.13	10.28	10.43	10.60	10.77	1.51	11.1 %	9.50	9.76	10.02	10.28	10.54	10.80	11.06
1.47	10.8 %	10.22	10.36	10.51	10.67	10.84	11.02	11.21	1.47	10.8 %	9.86	10.13	10.40	10.67	10.94	11.21	11.48
1.42	10.6 %	10.60	10.75	10.92	11.09	11.28	11.47	11.68	1.42	10.6 %	10.25	10.53	10.81	11.09	11.37	11.65	11.93
1.37	10.3 %	11.00	11.17	11.35	11.54	11.74	11.96	12.19	1.37	10.3 %	10.66	10.96	11.25	11.54	11.83	12.12	12.41
1.33	10.1 %	11.43	11.61	11.81	12.02	12.24	12.48	12.73	1.33	10.1 %	11.11	11.41	11.71	12.02	12.32	12.62	12.93
1.24	9.6 %	12.37	12.59	12.83	13.08	13.35	13.64	13.96	1.24	9.6 %	12.09	12.42	12.75	13.08	13.41	13.74	14.07

- The estimated cash burn between 2021 and 2023 should reduce the net cash position to EUR 9.9m.
- The high profitability from 2028 onwards reflects scaleability of the business model as growth declines
- The WACC reflects the expected cash burn, the limited visibility of the expected growth and the target debt ratio of 0%.

Exasol



Valuation							
	2019	2020	2021	2022	2023e	2024e	2025e
Price / Book	n.a.	7.2 x	18.1 x	20.7 x	5.9 x	6.1 x	4.1 x
Book value per share ex intangibles	-1.23	1.72	0.45	-0.01	0.32	0.32	0.61
EV / Sales	n.a.	11.8 x	11.6 x	3.0 x	1.4 x	1.2 x	0.8 x
EV / EBITDA	n.a.	n.a.	n.a.	n.a.	n.a.	140.2 x	5.7 x
EV / EBIT	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	8.5 x
EV / EBIT adj.*	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	8.5 x
P/FCF	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	10.0 x
P/E	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	12.7 x
P / E adj.*	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	12.7 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.	-10.8 %	-8.3 %	-12.1 %	-5.5 %	0.7 %	17.9 %

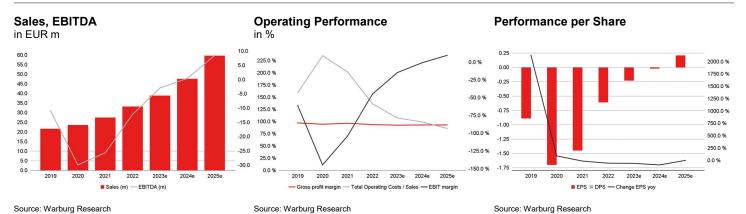
Company Specific Items							
	2019	2020	2021	2022	2023e	2024e	2025e
ARR	17.6	24.1	30.5	35.6	42.5	52.5	68.0



Consolidated profit & loss							
In EUR m	2019	2020	2021	2022	2023e	2024e	202
Sales	21.6	23.6	27.5	33.2	38.9	47.6	59
Change Sales yoy	22.0 %	9.2 %	16.4 %	20.9 %	17.1 %	22.4 %	25.3
ncrease / decrease in inventory	0.0	0.0	0.0	0.0	-0.2	0.0	(
Own work capitalised	1.8	1.9	2.2	0.0	0.0	0.0	
Total Sales	23.4	25.5	29.7	33.2	38.7	47.6	5
Material expenses	2.4	3.2	3.2	2.1	2.7	3.3	
Gross profit	21.0	22.3	26.5	31.1	36.0	44.3	5
Gross profit margin	97.3 %	94.5 %	96.5 %	93.6 %	92.6 %	93.0 %	93.0
Personnel expenses	24.3	37.3	39.3	29.8	28.5	32.8	3
Other operating income	0.3	0.4	8.2	3.1	3.1	3.4	
Other operating expenses	8.0	15.3	21.1	16.5	13.5	14.4	1
Unfrequent items	0.0	0.0	0.0	0.0	0.0	0.0	
EBITDA	-11.0	-29.9	-25.7	-12.2	-2.9	0.4	
Margin	-50.7 %	-126.9 %	-93.5 %	-36.7 %	-7.6 %	0.8 %	14.2
Depreciation of fixed assets	0.4	0.5	0.6	0.5	0.6	0.5	
EBITA	-11.4	-30.4	-26.3	-12.7	-3.6	-0.1	
Amortisation of intangible assets	1.3	3.2	2.1	2.3	2.2	0.3	
Goodwill amortisation	0.5	0.5	0.1	0.0	0.0	0.0	
BIT	-13.2	-34.1	-28.5	-14.9	-5.8	-0.4	
Margin	-60.8 %	-144.5 %	-103.8 %	-45.0 %	-14.9 %	-0.9 %	9.4
EBIT adj.	-4.1	-11.6	-34.4	-16.1	-5.8	-0.4	
nterest income	0.0	0.0	0.0	0.0	0.0	0.0	
nterest expenses	0.7	0.2	0.0	0.1	0.1	0.1	
Other financial income (loss)	0.0	0.0	0.0	0.0	0.0	0.0	
≣BT	-13.8	-34.3	-28.5	-15.0	-5.9	-0.5	
Margin	-64.1 %	-145.4 %	-103.6 %	-45.2 %	-15.1 %	-1.1 %	9.3
otal taxes	0.1	0.0	0.8	0.0	0.1	0.0	-
Net income from continuing operations	-14.0	-34.3	-29.3	-15.0	-6.0	-0.5	
ncome from discontinued operations (net of tax)	0.0	0.0	0.0	0.0	0.0	0.0	
Net income before minorities	-14.0	-34.3	-29.3	-15.0	-6.0	-0.5	
Minority interest	0.0	0.0	0.0	0.0	0.0	0.0	
Net income	-14.0	-34.3	-29.3	-15.0	-6.0	-0.5	
Margin	-64.7 %	-145.4 %	-106.7 %	-45.2 %	-15.4 %	-1.1 %	9.4
Number of shares, average	15.7	20.2	20.2	24.4	25.7	26.9	2
EPS .	-0.89	-1.70	-1.45	-0.61	-0.23	-0.02	0
EPS adj.	-0.89	-1.70	-1.45	-0.61	-0.23	-0.02	0

Guidance: ARR EUR 42.5-44.0m, adj. EBITDA EUR -3m to -1m, liquid funds EUR 15.8-17.8m

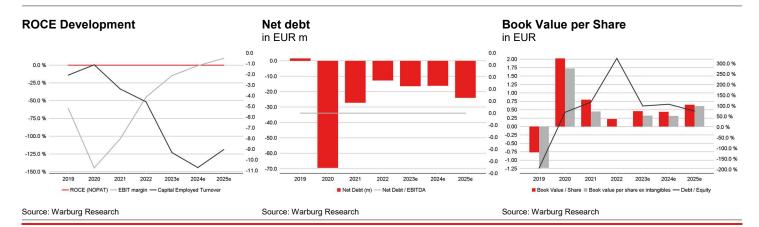
Financial Ratios							
	2019	2020	2021	2022	2023e	2024e	2025e
Total Operating Costs / Sales	159.1 %	235.1 %	201.6 %	136.7 %	107.2 %	99.2 %	85.8 %
Operating Leverage	601.6 x	17.3 x	-1.0 x	-2.3 x	-3.6 x	-4.1 x	n.a.
EBITDA / Interest expenses	n.m.	n.m.	n.m.	n.m.	n.m.	4.4 x	93.4 x
Tax rate (EBT)	-0.9 %	0.0 %	-3.0 %	0.0 %	-2.0 %	-2.0 %	-2.0 %
Dividend Payout Ratio	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Sales per Employee	145,048	105,826	96,686	116,869	194,379	216,336	239,589





Consolidated balance sheet							
In EUR m	2019	2020	2021	2022	2023e	2024e	2025e
Assets							
Goodwill and other intangible assets	7.2	7.1	8.4	5.8	3.5	3.2	1.0
thereof other intangible assets	1.9	1.1	8.0	0.6	0.4	0.1	-0.2
thereof Goodwill	0.5	0.3	0.2	0.2	0.1	0.1	0.1
Property, plant and equipment	0.6	0.6	1.0	0.7	0.4	0.4	0.2
Financial assets	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other long-term assets	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fixed assets	7.9	7.7	9.4	6.4	4.0	3.6	1.2
Inventories	0.0	0.0	0.0	0.2	0.0	0.0	0.0
Accounts receivable	1.8	3.3	2.9	1.9	2.1	2.6	3.3
Liquid assets	0.6	69.5	27.2	12.7	16.4	16.2	24.0
Other short-term assets	0.7	1.6	2.1	2.0	2.0	2.0	2.0
Current assets	3.2	74.4	32.1	16.8	20.6	20.8	29.3
Total Assets	11.1	82.1	41.5	23.2	24.5	24.4	30.5
Liabilities and shareholders' equity							
Subscribed capital	15.7	24.4	24.4	24.4	26.9	26.9	26.9
Capital reserve	13.5	107.7	107.7	108.9	113.5	113.5	113.5
Retained earnings	-49.3	-83.6	-112.9	-127.9	-133.9	-134.4	-128.8
Other equity components	8.2	-0.2	-0.2	0.1	5.8	5.8	5.8
Shareholders' equity	-12.0	48.3	19.0	5.5	12.3	11.8	17.4
Minority interest	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total equity	-12.0	48.3	19.0	5.5	12.3	11.8	17.4
Provisions	11.5	27.2	13.6	5.8	0.3	0.3	0.3
thereof provisions for pensions and similar obligations	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Financial liabilities (total)	2.2	0.1	0.0	0.0	0.0	0.0	0.0
Short-term financial liabilities	2.1	0.0	0.0	0.0	0.0	0.0	0.0
Accounts payable	1.5	1.1	1.2	1.7	1.7	2.1	2.6
Other liabilities	7.9	5.5	7.6	10.2	10.2	10.2	10.2
Liabilities	23.1	33.8	22.5	17.7	12.3	12.7	13.2
Total liabilities and shareholders' equity	11.1	82.1	41.5	23.2	24.5	24.4	30.5

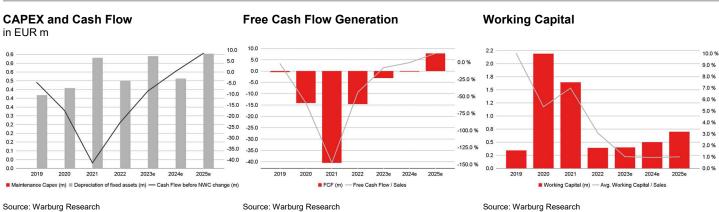
Financial Ratios							
	2019	2020	2021	2022	2023e	2024e	2025e
Efficiency of Capital Employment							
Operating Assets Turnover	21.8 x	8.5 x	10.4 x	31.6 x	47.4 x	55.5 x	66.1 x
Capital Employed Turnover	-2.1 x	-1.1 x	-3.4 x	-4.6 x	-9.3 x	-10.7 x	-9.0 x
ROA	-177.6 %	-444.2 %	-313.1 %	-234.1 %	-151.3 %	-14.3 %	455.4 %
Return on Capital							
ROCE (NOPAT)	n.a.						
ROE	151.1 %	-189.2 %	-87.1 %	-122.6 %	-67.6 %	-4.3 %	38.6 %
Adj. ROE	151.1 %	-189.2 %	-87.1 %	-122.6 %	-67.6 %	-4.3 %	38.6 %
Balance sheet quality							
Net Debt	1.6	-69.4	-27.2	-12.7	-16.4	-16.2	-24.0
Net Financial Debt	1.6	-69.4	-27.2	-12.7	-16.4	-16.2	-24.0
Net Gearing	-13.1 %	-143.8 %	-142.8 %	-232.7 %	-134.0 %	-137.7 %	-138.0 %
Net Fin. Debt / EBITDA	n.a.						
Book Value / Share	-0.8	2.0	0.8	0.2	0.5	0.4	0.6
Book value per share ex intangibles	-1.2	1.7	0.4	0.0	0.3	0.3	0.6





Consolidated cash flow statement							
In EUR m	2019	2020	2021	2022	2023e	2024e	2025
Net income	-14.0	-34.3	-29.3	-15.0	-6.0	-0.5	5.6
Depreciation of fixed assets	0.4	0.5	0.6	0.5	0.6	0.5	0.7
Amortisation of goodwill	0.5	0.5	0.1	0.0	0.0	0.0	0.0
Amortisation of intangible assets	1.3	3.2	2.1	2.3	2.2	0.3	2.2
Increase/decrease in long-term provisions	9.8	15.9	-12.6	- 5.9	-5.5	0.0	0.0
Other non-cash income and expenses	-2.7	-3.3	-2.3	-4.9	0.0	0.0	0.0
Cash Flow before NWC change	-4.7	-17.5	-41.4	-23.0	-8.7	0.3	8.5
Increase / decrease in inventory	0.0	0.0	0.0	-0.2	0.2	0.0	0.0
Increase / decrease in accounts receivable	2.5	-2.8	-1.5	-0.6	-0.2	-0.5	-0.7
Increase / decrease in accounts payable	4.5	9.0	6.8	9.5	0.0	0.4	0.5
Increase / decrease in other working capital positions	0.0	0.0	0.0	0.0	6.0	0.0	0.0
Increase / decrease in working capital (total)	7.0	6.2	5.3	8.7	6.0	-0.1	-0.2
Net cash provided by operating activities [1]	2.2	-11.3	-36.1	-14.3	-2.7	0.2	8.3
Investments in intangible assets	-2.3	-2.4	-3.4	0.0	0.0	0.0	0.0
Investments in property, plant and equipment	-0.4	-0.4	-1.0	-0.3	-0.4	-0.5	-0.5
Payments for acquisitions	0.0	-0.9	0.0	0.0	0.0	0.0	0.0
Financial investments	0.0	35.6	-35.5	0.0	0.0	0.0	0.0
Income from asset disposals	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Net cash provided by investing activities [2]	-2.7	-39.3	31.1	-0.3	-0.4	-0.5	-0.5
Change in financial liabilities	-0.9	-3.8	-0.2	-0.1	0.0	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	2.6	0.0	0.0	0.0	0.0	0.0
Capital measures	0.0	87.2	-1.6	0.0	6.8	0.0	0.0
Other	0.0	0.0	0.0	0.2	0.0	0.0	0.0
Net cash provided by financing activities [3]	-0.9	85.9	-1.8	0.0	6.8	0.0	0.0
Change in liquid funds [1]+[2]+[3]	-1.4	35.3	-6.8	-14.5	3.7	-0.3	7.8
Effects of exchange-rate changes on cash	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Cash and cash equivalent at end of period	-1.5	33.9	27.2	12.7	16.4	16.2	24.0

Financial Ratios							
	2019	2020	2021	2022	2023e	2024e	2025e
Cash Flow							
FCF	-0.5	-14.1	-40.5	-14.6	-3.1	-0.3	7.8
Free Cash Flow / Sales	-2.1 %	-59.8 %	-147.6 %	-43.9 %	-7.9 %	-0.5 %	13.1 %
Free Cash Flow Potential	-11.1	-29.9	-26.5	-12.2	-3.1	0.4	8.6
Free Cash Flow / Net Profit	3.2 %	41.1 %	138.3 %	97.0 %	51.4 %	49.1 %	138.4 %
Interest Received / Avg. Cash	0.1 %	0.0 %	0.1 %	0.0 %	0.0 %	0.0 %	0.0 %
Interest Paid / Avg. Debt	39.1 %	18.9 %	15.8 %	619.3 %	n.a.	n.a.	n.a.
Management of Funds							
Investment ratio	12.4 %	11.9 %	16.2 %	0.8 %	1.0 %	0.9 %	0.8 %
Maint. Capex / Sales	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Capex / Dep	121.9 %	67.2 %	157.4 %	10.2 %	14.0 %	55.4 %	17.5 %
Avg. Working Capital / Sales	10.0 %	5.4 %	7.0 %	3.1 %	1.0 %	0.9 %	1.0 %
Trade Debtors / Trade Creditors	122.8 %	298.8 %	234.0 %	114.1 %	123.5 %	123.8 %	126.9 %
Inventory Turnover	n.a.	160.8 x	n.a.	13.4 x	n.a.	n.a.	n.a.
Receivables collection period (days)	31	50	38	21	20	20	20
Payables payment period (days)	227	123	140	283	228	230	227
Cash conversion cycle (Days)	n.a.	-70	n.a.	-235	n.a.	n.a.	n.a.



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 <u>price target</u> in the opinion of the analyst who covers this financial instrument.

<u>"_"</u>	Rating suspended:	The available information currently does not permit an evaluation of the company.
-S-	Sell:	The price of the analysed financial instrument is expected to fall 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.
-B-	Buy:	The price of the analysed financial instrument is expected to rise over the next 12 months.

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WANDONG NEGERINGII GIVIDII -	

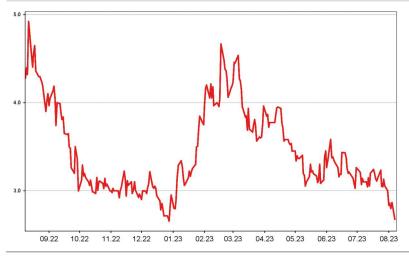
Rating	Number of stocks	% of Universe
Buy	152	73
Hold	44	21
Sell	7	3
Rating suspended	4	2
Total	207	100

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... 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	43	88
Hold	4	8
Sell	0	0
Rating suspended	2	4
Total	49	100

PRICE AND RATING HISTORY EXASOL AS OF 08.08.2023



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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