(CDAX, Chemicals, ACT GR)



D		Value Indicators:	EUR	Warburg ESG Risk Score:	2.4	Description:	
Buy		DCF:	33.68	ESG Score (MSCI based):	3.0	Alzaham is an integrated and	a altri
		FCF-Value Potential 23-25:	37.06	Balance Sheet Score:	3.3	Alzchem is an integrated spe chemicals provider	cially
EUR 33.50	(EUR 33.00)	SotP 23-24:	34.34	Market Liquidity Score:	1.0		
		Market Snapshot:	EUR m	Shareholders:		Key Figures (WRe):	2023e
		Market cap:	191.3	Freefloat	47.08 %	Beta:	1.6
Price	EUR 18.80	No. of shares (m):	10.2	LIVIA Corporate Development	25.13 %	Price / Book:	1.2 x
Upside	78.2 %	EV:	358.9	for two na GmbH	15.05 %	Equity Ratio:	37 %
openae	/.	Freefloat MC:	90.1	HDI Vier CE GmbH	12.74 %	Net Fin. Debt / EBITDA:	1.1 x
		Ø Trad. Vol. (30d):	40.77 th			Net Debt / EBITDA:	2.4 x

A reassuring step towards a record result

Q1 23 figures were ahead of our and consensus estimates and pave the way towards management's goal of a record EBITDA in 2023.

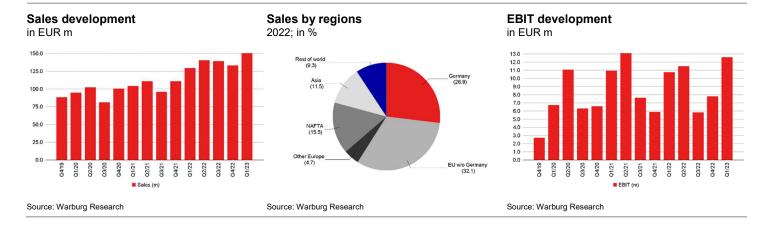
The **Basics and Intermediates** segment generated sales of EUR 57.3m (-0.2% yoy) and EBITDA of EUR 2.8m (-2.1%), almost on par with last year's level. Volumes showed a decline of -24.1% yoy, which was slightly less pronounced than in Q4 22 (-27.8%), but this was almost completely offset by higher selling prices (+23.6% yoy). Sales increased with customers in the metallurgic sector and with NITRALZ[®] products, but decreased with Perlka[®] in the agricultural sector as significantly higher prices led to demand destruction. As a significant electricity consumer, the segment is highly dependent on its average price level, but also on price volatility. Given that electricity prices have continued to trend lower throughout Q2 so far and volatility levels have dropped, we expect demand destruction to decline in the quarters ahead given selling-price deflation.

In contrast, volumes in **Specialty Chemicals** expanded by 8.0% while prices increased by 21.4%. This resulted in a sales increase of 8.0% to EUR 85.8m and a rise in EBITDA of 12.3% to EUR 16.0m. The volume increase was mainly explained by the capacity expansion at Creapure® (inaugurated in H2 2022). DORMEX® (agricultural sector) and custom manufacturing made favourable contributions to sales growth, as did animal nutrition (Creamino®). This indicates that demand destruction was far less of an issue at the higher end of the product range in the agricultural sector. Bioselect®, however, fell short of the previous year as customers' high stock levels weighed on demand. We expect the favourable demand trend to continue in the quarters ahead. The yoy price increases are expected to become less pronounced yoy in the coming quarters, as we expect raw material costs to decline but, as there will surely be a time lag of three to six months, the EBITDA margin is bound to increase from the Q1 2023 level of 18.7%. Q1 sales in the **Other & Holding** segment were 0.6% ahead of last year's level but EBITDA jumped from EUR -0.1m to EUR 0.5m with the reversal of a provision after invoicing in network operations. As working-capital expansion was well below the level of Q1 22 (EUR -6.9m versus EUR -21.9m) and operating cash flow exceeded last year's level by 5.0% at EUR 17.1m, net operating CF turned positive in Q1 2023 (EUR 10.3m versus -5.6m). Amplified by lower investments yoy, FCF expanded to EUR 5.4m (vs. EUR -12.9m). As a consequence, net financial debt declined from EUR 84.7m at the end of FY 22 to EUR 80.1m in Q1 23. As we expect selling prices to contract in the coming quarters as a result of lower raw material and energy costs, Alzchem should be able to release additional WC in the coming quarters. Management reiterated its FY 23 guidance for slight EBITDA growth yoy to up to EUR 70m and slight sales growth to up to EUR 590m. We reiterate our Buy recommendation, but increase our PT slightly to EUR 33.50 (based on a DCF c

Changes in E	Estimates:						Comment on Changes:
FY End: 31.12. in EUR m	2023e (old)	+/-	2024e (old)	+ / -	2025e (old)	+ / -	 Changes in estimates mainly indicate a more pronounced rebound in FY 23 than originally anticipated, which should lead to more moderate growth
Sales	556.6	3.1 %	592.2	3.4 %	612.9	3.4 %	rates in subsequent years.
EBIT	40.4	1.5 %	48.7	-4.0 %	51.2	-1.8 %	
EPS	2.58	1.9 %	3.18	-4.3 %	3.40	-2.0 %	
DPS	1.10	0.0 %	1.15	0.0 %	1.25	0.0 %	
Net Debt	165.7	1.1 %	154.8	2.3 %	150.0	2.9 %	

24- May Month	FY End: 31.12. in EUR m	CAGR (22-25e)	2019	2020	2021	2022	2023e	2024e	2025e
23 - 22 - www. / //	Sales	5.3 %	376.1	379.3	422.3	542.2	574.1	612.5	633.9
21	Change Sales yoy		0.2 %	0.8 %	11.3 %	28.4 %	5.9 %	6.7 %	3.5 %
	Gross profit margin		60.8 %	64.4 %	62.0 %	50.8 %	50.4 %	50.0 %	50.1 %
19 Herry Mary Malamarka	EBITDA	8.7 %	50.1	53.8	62.0	61.4	68.8	75.0	78.9
	Margin		13.3 %	14.2 %	14.7 %	11.3 %	12.0 %	12.2 %	12.5 %
	EBIT	11.9 %	30.6	30.7	37.6	35.9	41.0	46.7	50.2
	Margin		8.1 %	8.1 %	8.9 %	6.6 %	7.1 %	7.6 %	7.9 %
16 - V V V	Net income	4.1 %	18.0	19.7	27.6	30.1	26.8	31.0	33.9
07/22 09/22 11/22 01/23 03/23 05/23	EPS	4.0 %	1.77	1.94	2.72	2.96	2.63	3.04	3.33
Alzchem — CDAX (normalised)	EPS adj.	4.0 %	1.77	1.94	2.72	2.96	2.63	3.04	3.33
Alzenem — CDAX (normalised)	DPS	6.0 %	0.75	0.77	1.00	1.05	1.10	1.15	1.25
Rel. Performance vs CDAX:	Dividend Yield		3.5 %	3.9 %	4.1 %	5.3 %	5.9 %	6.1 %	6.6 %
	FCFPS		0.23	1.95	1.43	-3.23	2.02	2.32	1.73
1 month: -0.8 %	FCF / Market cap		1.1 %	9.9 %	5.9 %	-16.3 %	10.7 %	12.3 %	9.2 %
6 months: 4.9 %	EV / Sales		1.1 x	1.0 x	1.0 x	0.7 x	0.6 x	0.6 x	0.5 x
Year to date: -1.3 %	EV / EBITDA		8.1 x	7.2 x	6.9 x	6.1 x	5.2 x	4.7 x	4.4 x
Trailing 12 months: -24.9 %	EV / EBIT		13.2 x	12.6 x	11.3 x	10.5 x	8.8 x	7.5 x	6.9 x
5	P/E		12.0 x	10.2 x	8.9 x	6.7 x	7.2 x	6.2 x	5.7 x
Company events:	P / E adj.		12.0 x	10.2 x	8.9 x	6.7 x	7.2 x	6.2 x	5.7 x
03.08.23 Q2	FCF Potential Yield		6.4 %	7.9 %	9.1 %	11.6 %	12.2 %	13.7 %	14.5 %
26.10.23 Q3	Net Debt		188.3	185.4	179.8	174.8	167.6	158.4	154.3
	ROCE (NOPAT)		9.2 %	8.9 %	10.9 %	8.9 %	9.1 %	10.0 %	10.4 %
	Guidance:	FY 2023: EBI	TDA slightly g	growing to up	to EUR 70n	า			



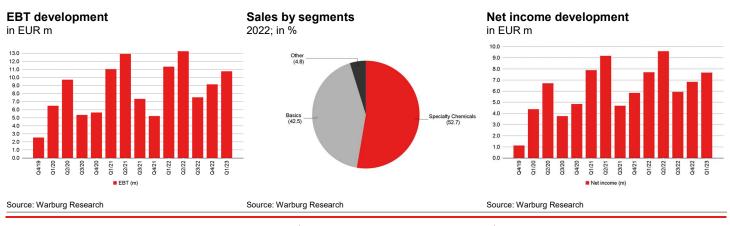


Company Background

- Alzchem goes back to the Bayerische Stickstoff-Werke GmbH (1908), which built a large calcium carbide and calcium cyanamide plant on the river Alz
- In 1939, Bayerische Kraftwerk AG and Donauwerke AG merged to form S
 üddeutsche Kalkstickstoffe AG, based in Trostberg. In 1978 company's name was changed to SKW Trostberg AG
- Merger of Degussa Hüls AG with Trostberg AG to form Degussa AG in 2000. Merger of the Alz locations Trostberg, Schalchen, Hart and Waldkraiburg into AlzChem Holding GmbH in 2006
- Takeover by bluO in 2009, conversion to Alzchem AG 2011. In 2019 the company heavily invested in the area of feed additives with the construction of a dedicated CreAMINO® production facility
- Alzchem is brought into the listed Alzchem Group AG (formerly Softmatic AG). Alzchem Group AG is the new parent company of the Alzchem Group. 2019 Commissioning of investment projects Creamino® and Nitrile

Competitive Quality

- Alzchem is a globally active, vertically integrated manufacturer of various chemical products of the calcium carbide/calcium cyanamide chain with a strategic focus on growth in the Specialty Chemicals business segment
- Alzchem's integrated manufacturing "Verbund" system enables efficiency gains in production. The company is the global leader or among the leading companies in its chosen fields of activity
- The company has four production facilities in Germany and one in Sweden that are complemented by two marketing companies in the US and in China allowing for global distribution of its products
- The company is benefiting from megatrends like sustainable energy production, population growth and increase in aging population. Its products offer attractive solutions that meet demand growth.
- Alzchem provides a highly diversified product portfolio ranging e.g. from dietary supplements, plant growth regulators to precursors for corona testing, thus addressing a wide range of customer industries





DCF model														
	Detaile	d forecas	t period				٦	ransition	al period					Term. Value
Figures in EUR m	2023e	2024e	2025e	2026e	2027e	2028e	2029e	2030e	2031e	2032e	2033e	2034e	2035e	
Sales	574.1	612.5	633.9	656.1	678.4	700.8	723.2	745.6	768.0	789.5	810.0	829.4	847.7	
Sales change	5.9 %	6.7 %	3.5 %	3.5 %	3.4 %	3.3 %	3.2 %	3.1 %	3.0 %	2.8 %	2.6 %	2.4 %	2.2 %	1.0 %
EBIT	41.0	46.7	50.2	56.2	59.5	60.8	62.0	63.9	65.8	67.7	70.3	71.9	73.5	
EBIT-margin	7.1 %	7.6 %	7.9 %	8.6 %	8.8 %	8.7 %	8.6 %	8.6 %	8.6 %	8.6 %	8.7 %	8.7 %	8.7 %	
Tax rate (EBT)	28.0 %	28.0 %	28.0 %	29.0 %	29.0 %	29.0 %	29.0 %	29.0 %	29.0 %	29.0 %	29.0 %	29.0 %	29.0 %	
NOPAT	29.5	33.6	36.2	39.9	42.3	43.2	44.0	45.4	46.7	48.1	49.9	51.1	52.2	
Depreciation	27.9	28.3	28.7	30.4	32.1	33.8	35.6	36.7	37.8	38.9	39.1	40.0	40.9	
in % of Sales	4.9 %	4.6 %	4.5 %	4.6 %	4.7 %	4.8 %	4.9 %	4.9 %	4.9 %	4.9 %	4.8 %	4.8 %	4.8 %	
Changes in provisions	2.6	3.1	1.7	3.4	3.4	3.4	3.5	3.5	3.4	3.3	3.2	3.0	2.8	
Change in Liquidity from														
- Working Capital	5.9	7.0	3.8	5.5	5.5	5.6	5.6	5.6	5.6	5.3	5.1	4.8	4.5	
- Capex	29.9	30.8	31.8	34.1	34.6	35.0	36.2	37.3	38.4	39.5	40.5	41.5	42.4	
Capex in % of Sales	5.2 %	5.0 %	5.0 %	5.2 %	5.1 %	5.0 %	5.0 %	5.0 %	5.0 %	5.0 %	5.0 %	5.0 %	5.0 %	
- Other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Free Cash Flow (WACC Model)	24.2	27.2	31.0	34.1	37.6	39.8	41.4	42.7	44.1	45.4	46.5	47.8	49.0	51
PV of FCF	23.2	23.9	25.1	25.4	25.7	25.0	23.9	22.7	21.5	20.4	19.2	18.1	17.1	227
share of PVs		13.94 %						42.27	7 %					43.79 %
Model parameter							Valuat	on (m)						
Derivation of WACC:			Derivation	of Beta:			Presen	t values 20)35e	29)1			
							Termin	al Value		22	.7			
Debt ratio	35.40 %		Financial S	•		1.60		al liabilitie			4			
Cost of debt (after tax)	3.6 %		Liquidity (s	share)		2.00		n liabilities			0			
Market return	8.25 %		Cyclicality			1.50	Hybrid	•			0			
Risk free rate	2.75 %		Transpare	ncy		2.00		/ interest			2			
			Others			1.00	Market	val. of inv	estments		0			
							Liquidit				9	No. of sha	ires (m)	10.1
WACC	8.81 %		Beta			1.62	Equity	Value		34	1	Value per	share (E	UR) 33.68

Sensitivity Value per Share (EUR)

		Terminal (Growth								Delta EBIT	-margin					
Beta	WACC	0.25 %	0.50 %	0.75 %	1.00 %	1.25 %	1.50 %	1.75 %	Beta	WACC	-0.8 pp	-0.5 pp	-0.3 pp	+0.0 pp	+0.3 pp	+0.5 pp	+0.8 pp
1.90	9.8 %	26.06	26.50	26.96	27.45	27.96	28.51	29.09	1.90	9.8 %	23.11	24.56	26.00	27.45	28.89	30.33	31.78
1.76	9.3 %	28.72	29.24	29.79	30.37	30.99	31.64	32.34	1.76	9.3 %	25.77	27.30	28.84	30.37	31.90	33.43	34.97
1.69	9.1 %	30.18	30.74	31.34	31.97	32.65	33.37	34.13	1.69	9.1 %	27.23	28.81	30.39	31.97	33.55	35.13	36.71
1.62	8.8 %	31.72	32.33	32.98	33.68	34.42	35.21	36.06	1.62	8.8 %	28.78	30.41	32.04	33.68	35.31	36.94	38.58
1.55	8.6 %	33.35	34.02	34.74	35.50	36.31	37.19	38.12	1.55	8.6 %	30.44	32.12	33.81	35.50	37.19	38.88	40.56
1.48	8.3 %	35.09	35.83	36.61	37.45	38.35	39.31	40.35	1.48	8.3 %	32.21	33.96	35.70	37.45	39.20	40.94	42.69
1.34	7.8 %	38.93	39.82	40.77	41.79	42.89	44.07	45.36	1.34	7.8 %	36.16	38.03	39.91	41.79	43.67	45.55	47.42

• The beta value Beta value reflects the limited liquidity of the share (Free float 47.5%),

• In addition, transparency is reduced for structural reasons as Alzchem is positioned as a B2B company

Warburg Research's valuation tool "FCF Value Potential" reflects the ability of the company to generate sustainable free cash flows. It is based on the "FCF potential" - a FCF "ex growth" figure - which assumes unchanged working capital and pure maintenance capex. A value indication is derived via the perpetuity of a given year's "FCF potential" with consideration of the weighted costs of capital. The fluctuating value indications over time add a timing element to the DCF model (our preferred valuation tool).

WARBURG RESEARCH

in EUR m	2019	2020	2021	2022	2023e	2024e	2025e
Net Income before minorities	18.1	19.9	27.8	30.2	26.9	31.1	34.1
+ Depreciation + Amortisation	19.5	23.1	24.5	25.5	27.9	28.3	28.7
 Net Interest Income 	-2.6	-2.1	-1.5	-2.5	-3.9	-3.8	-3.2
 Maintenance Capex 	14.5	14.7	14.8	14.8	15.0	15.4	15.9
+ Other	0.0	0.0	0.0	0.0	0.0	0.0	0.0
= Free Cash Flow Potential	25.8	30.4	38.9	43.4	43.7	47.7	50.1
FCF Potential Yield (on market EV)	6.4 %	7.9 %	9.1 %	11.6 %	12.2 %	13.7 %	14.5 %
WACC	8.81 %	8.81 %	8.81 %	8.81 %	8.81 %	8.81 %	8.81 %
= Enterprise Value (EV)	404.4	387.2	425.3	375.2	358.9	349.7	346.1
= Fair Enterprise Value	292.6	345.1	441.6	492.9	496.1	542.0	569 .1
- Net Debt (Cash)	84.7	84.7	84.7	84.7	74.8	62.5	56.7
 Pension Liabilities 	90.1	90.1	90.1	90.1	92.8	95.9	97.6
- Other	0.0	0.0	0.0	0.0	0.0	0.0	0.0
 Market value of minorities 	0.0	0.0	0.0	0.0	0.0	0.0	0.0
 Market value of investments 	0.0	0.0	0.0	0.0	0.0	0.0	0.0
= Fair Market Capitalisation	117.8	170.3	266.8	318.1	328.5	383.6	414.8
Number of shares, average	10.2	10.2	10.1	10.1	10.2	10.2	10.2
= Fair value per share (EUR)	11.58	16.74	26.32	31.38	32.28	37.70	40.76
premium (-) / discount (+) in %					71.7 %	100.5 %	116.2 %
Sensitivity Fair value per Share (EUI	र)						
11.8	31 % 4.29	8.15	15.25	19.03	19.97	24.26	26.66
10.8	6.28	10.50	18.26	22.38	23.35	27.95	30.53
9.8	81 % 8.68	13.33	21.88	26.42	27.42	32.40	35.20
WACC 8.8	31 % 11.58	16.74	26.32	31.38	32.28	37.70	40.76
7.8	31 % 15.32	21.16	31.90	37.61	38.68	44.70	48.11
6.8	31 % 20.11	26.81	39.12	45.67	46.79	53.56	57.42
5.8	31 % 26.54	34.39	48.82	56.51	57.70	65.48	69.93

· Historical volatility of the value indication is due to cyclical operative development

Sum of the parts



Sum of the parts										
€m	2023e	2024e	2023e	2024e	2023e	2024e	2023e	2024e	2023e	2024e
Specialty Chemicals	323.01	358.89	60.33	67.38	0.19	0.19	7.80	7.12	470.37	479.91
Basics & Intermediates	223.91	226.15	7.78	6.78	0.03	0.03	5.34	4.77	41.52	32.36
Other & Holding	27.16	27.43	2.00	2.05	0.07	0.07	5.22	4.78	10.41	9.82
Consolidation	0.00	0.00	-1.26	-1.26	n.m.	n.m.	6.12	5.56	-7.69	-6.99
Total	574.08	612.47	68.85	74.96	11.9%	12.1%			514.61	515.11
- Net debt**									-74.83	-62.49
 Pension liabilities** 									-92.79	-95.89
- Minorities***									-2.12	-4.00
+ Financial investments***									0.01	0.01
Fair equity value									439.79	452.62
Fair value/share (€)									34.03	34.66
Average fair value/share (€)										34.34
* w/o extraordinary items										

** At book value

*** At market value

Specialty chemicals segment peers: Covestro, Huntsman, Ube Industries, PetroChina Company and Kumho Petrochemical
Basics & Intermediates segment peers: BASF, DuPont de Nemours, Clariant, Evonik, Lanxess,

International Flavours and Fragrances (IFF)

• Other & Holding segment peer: Evonik



Valuation							
	2019	2020	2021	2022	2023e	2024e	2025e
Price / Book	3.6 x	3.0 x	2.8 x	1.4 x	1.2 x	1.1 x	0.9 x
Book value per share ex intangibles	5.72	6.40	8.42	13.92	15.47	17.44	19.65
EV / Sales	1.1 x	1.0 x	1.0 x	0.7 x	0.6 x	0.6 x	0.5 x
EV / EBITDA	8.1 x	7.2 x	6.9 x	6.1 x	5.2 x	4.7 x	4.4 x
EV / EBIT	13.2 x	12.6 x	11.3 x	10.5 x	8.8 x	7.5 x	6.9 x
EV / EBIT adj.*	13.2 x	12.6 x	11.3 x	10.5 x	8.8 x	7.5 x	6.9 x
P / FCF	93.8 x	10.1 x	16.9 x	n.a.	9.3 x	8.1 x	10.9 x
P/E	12.0 x	10.2 x	8.9 x	6.7 x	7.2 x	6.2 x	5.7 x
P / E adj.*	12.0 x	10.2 x	8.9 x	6.7 x	7.2 x	6.2 x	5.7 x
Dividend Yield	3.5 %	3.9 %	4.1 %	5.3 %	5.9 %	6.1 %	6.6 %
FCF Potential Yield (on market EV)	6.4 %	7.9 %	9.1 %	11.6 %	12.2 %	13.7 %	14.5 %
*Adjustments made for: Restructuring costs, value adjust	tments, one-off earnings/lo	sses					

Consolidated profit & loss



In EUR m	2019	2020	2021	2022	2023e	2024e	20256
Sales	376.1	379.3	422.3	542.2	574.1	612.5	633.9
Change Sales yoy	0.2 %	0.8 %	11.3 %	28.4 %	5.9 %	6.7 %	3.5 %
Increase / decrease in inventory	-4.9	-2.5	10.0	22.2	0.0	0.0	0.0
Own work capitalised	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Sales	371.2	376.7	432.3	564.4	574.1	612.5	633.9
Material expenses	142.4	132.5	170.7	288.9	284.5	306.0	316.3
Gross profit	228.8	244.2	261.7	275.5	289.6	306.5	317.6
Gross profit margin	60.8 %	64.4 %	62.0 %	50.8 %	50.4 %	50.0 %	50.1 %
Personnel expenses	122.1	127.4	132.2	137.1	145.5	151.2	155.5
Other operating income	17.1	10.7	11.4	24.2	24.6	26.2	27.2
Other operating expenses	73.8	73.7	78.8	101.1	99.9	106.5	110.3
Unfrequent items	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EBITDA	50.1	53.8	62.0	61.4	68.8	75.0	78.9
Margin	13.3 %	14.2 %	14.7 %	11.3 %	12.0 %	12.2 %	12.5 %
Depreciation of fixed assets	19.5	23.1	24.5	25.5	27.9	28.3	28.7
EBITA	30.6	30.7	37.6	35.9	41.0	46.7	50.2
Amortisation of intangible assets	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Goodwill amortisation	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EBIT	30.6	30.7	37.6	35.9	41.0	46.7	50.2
Margin	8.1 %	8.1 %	8.9 %	6.6 %	7.1 %	7.6 %	7.9 %
EBIT adj.	30.6	30.7	37.6	35.9	41.0	46.7	50.2
Interest income	0.1	0.0	0.0	0.0	0.1	0.1	0.1
Interest expenses	2.7	2.1	1.5	2.5	3.9	3.9	3.3
Other financial income (loss)	-2.5	-1.4	0.4	7.9	0.3	0.3	0.3
EBT	25.5	27.2	36.5	41.3	37.4	43.3	47.3
Margin	6.8 %	7.2 %	8.6 %	7.6 %	6.5 %	7.1 %	7.5 %
Total taxes	7.3	7.3	8.7	11.1	10.5	12.1	13.3
Net income from continuing operations	18.1	19.9	27.8	30.2	26.9	31.1	34.1
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	18.1	19.9	27.8	30.2	26.9	31.1	34.′
Minority interest	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Net income	18.0	19.7	27.6	30.1	26.8	31.0	33.9
Margin	4.8 %	5.2 %	6.5 %	5.5 %	4.7 %	5.1 %	5.3 %
Number of shares, average	10.2	10.2	10.1	10.1	10.2	10.2	10.2
EPS	1.77	1.94	2.72	2.96	2.63	3.04	3.33
EPS adj.	1.77	1.94	2.72	2.96	2.63	3.04	3.33

Guidance: FY 2023: EBITDA slightly growing to up to EUR 70m

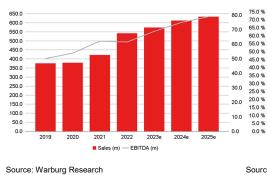
Financial Ratios

2019	2020	2021	2022	2023e	2024e	2025e
57.5 %	54.4 %	59.1 %	71.9 %	66.9 %	67.4 %	67.3 %
-46.3 x	0.5 x	2.0 x	-0.2 x	2.4 x	2.1 x	2.2 x
18.3 x	25.1 x	41.6 x	24.4 x	17.6 x	19.4 x	23.7 x
28.8 %	27.0 %	24.0 %	26.8 %	28.0 %	28.0 %	28.0 %
42.1 %	39.4 %	36.5 %	35.2 %	41.6 %	37.6 %	37.3 %
219,834	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
	57.5 % -46.3 x 18.3 x 28.8 % 42.1 %	57.5 % 54.4 % -46.3 x 0.5 x 18.3 x 25.1 x 28.8 % 27.0 % 42.1 % 39.4 %	57.5 % 54.4 % 59.1 % -46.3 x 0.5 x 2.0 x 18.3 x 25.1 x 41.6 x 28.8 % 27.0 % 24.0 % 42.1 % 39.4 % 36.5 %	57.5 % 54.4 % 59.1 % 71.9 % -46.3 x 0.5 x 2.0 x -0.2 x 18.3 x 25.1 x 41.6 x 24.4 x 28.8 % 27.0 % 24.0 % 26.8 % 42.1 % 39.4 % 36.5 % 35.2 %	57.5 % 54.4 % 59.1 % 71.9 % 66.9 % -46.3 x 0.5 x 2.0 x -0.2 x 2.4 x 18.3 x 25.1 x 41.6 x 24.4 x 17.6 x 28.8 % 27.0 % 24.0 % 26.8 % 28.0 % 42.1 % 39.4 % 36.5 % 35.2 % 41.6 %	57.5 % 54.4 % 59.1 % 71.9 % 66.9 % 67.4 % -46.3 x 0.5 x 2.0 x -0.2 x 2.4 x 2.1 x 18.3 x 25.1 x 41.6 x 24.4 x 17.6 x 19.4 x 28.8 % 27.0 % 24.0 % 26.8 % 28.0 % 28.0 % 42.1 % 39.4 % 36.5 % 35.2 % 41.6 % 37.6 %

2019 2020 2021 2022 2023e 2024e 2025e

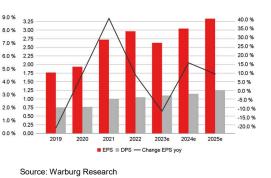
- Gross profit margin - Total Operating Costs / Sales - EBIT margin

Sales, EBITDA in EUR m





ance Performance per Share



Source: Warburg Research

COMMENT Published 20.06.2023

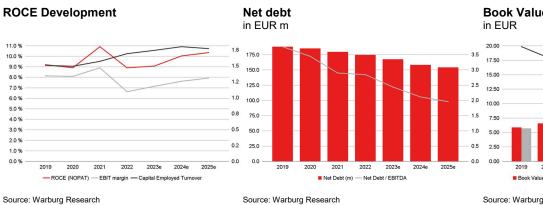
Consolidated balance sheet



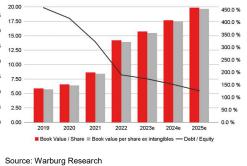
In EUR m	2019	2020	2021	2022	2023e	2024e	2025e
Assets							
Goodwill and other intangible assets	1.5	1.8	2.3	3.0	2.7	2.4	2.2
thereof other intangible assets	1.5	1.8	2.3	3.0	2.7	2.4	2.2
thereof Goodwill	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Property, plant and equipment	175.5	183.6	186.5	187.8	190.1	193.0	196.3
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	177.0	185.4	188.8	190.7	192.8	195.4	198.5
Inventories	74.6	67.4	86.7	122.4	127.2	132.9	136.0
Accounts receivable	32.5	33.1	40.8	55.7	59.0	62.9	65.1
Liquid assets	9.1	17.1	8.3	9.2	17.7	17.2	12.9
Other short-term assets	49.4	51.2	53.0	44.8	46.5	48.6	49.7
Current assets	165.6	168.9	188.8	232.1	250.5	261.6	263.7
Total Assets	342.6	354.3	377.7	422.9	443.3	457.0	462.1
Liabilities and shareholders' equity							
Subscribed capital	101.8	101.8	101.8	101.8	101.8	101.8	101.8
Capital reserve	-5.0	-4.2	-1.7	5.1	7.0	9.4	12.0
Retained earnings	-30.7	-25.5	-10.3	30.8	42.6	57.0	73.3
Other equity components	-6.3	-5.2	-2.1	6.3	8.8	11.7	15.1
Shareholders' equity	59.8	66.9	87.6	144.0	160.1	179.9	202.1
Minority interest	1.6	1.8	1.9	1.9	2.0	2.1	2.2
Total equity	61.4	68.7	89.6	145.9	162.1	182.0	204.3
Provisions	158.8	168.9	167.3	109.1	112.5	116.5	118.6
thereof provisions for pensions and similar obligations	134.6	141.8	140.0	90.1	92.8	95.9	97.6
Financial liabilities (total)	62.7	60.7	48.0	93.9	92.6	79.7	69.6
Short-term financial liabilities	11.9	12.7	10.5	66.4	64.0	49.9	39.0
Accounts payable	24.1	20.9	32.8	37.4	39.6	42.2	43.7
Other liabilities	35.7	35.1	39.9	36.5	36.5	36.6	25.9
Liabilities	281.2	285.6	288.1	276.9	281.1	275.0	257.8
Total liabilities and shareholders' equity	342.6	354.3	377.7	422.9	443.3	457.0	462.1

Financial Ratios

	2019	2020	2021	2022	2023e	2024e	2025e
Efficiency of Capital Employment							
Operating Assets Turnover	1.5 x	1.4 x	1.5 x	1.7 x	1.7 x	1.8 x	1.8 x
Capital Employed Turnover	1.5 x	1.5 x	1.6 x	1.7 x	1.7 x	1.8 x	1.8 x
ROA	10.2 %	10.6 %	14.6 %	15.8 %	13.9 %	15.9 %	17.1 %
Return on Capital							
ROCE (NOPAT)	9.2 %	8.9 %	10.9 %	8.9 %	9.1 %	10.0 %	10.4 %
ROE	28.4 %	31.1 %	35.7 %	25.9 %	17.6 %	18.2 %	17.8 %
Adj. ROE	28.4 %	31.1 %	35.7 %	25.9 %	17.6 %	18.2 %	17.8 %
Balance sheet quality							
Net Debt	188.3	185.4	179.8	174.8	167.6	158.4	154.3
Net Financial Debt	53.6	43.6	39.8	84.7	74.8	62.5	56.7
Net Gearing	306.8 %	270.0 %	200.7 %	119.8 %	103.4 %	87.0 %	75.5 %
Net Fin. Debt / EBITDA	107.1 %	81.1 %	64.1 %	137.8 %	108.7 %	83.4 %	71.9 %
Book Value / Share	5.9	6.6	8.6	14.2	15.7	17.7	19.9
Book value per share ex intangibles	5.7	6.4	8.4	13.9	15.5	17.4	19.6



Book Value per Share in EUR



COMMENT

Published 20.06.2023

8

Consolidated cash flow statement



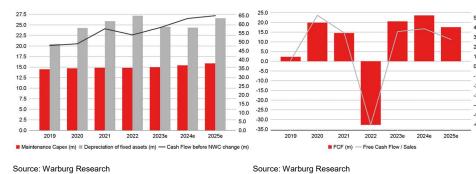
In EUR m	2019	2020	2021	2022	2023e	2024e	20256
Net income	18.1	19.9	27.8	30.2	26.9	31.1	34.
Depreciation of fixed assets	20.5	24.3	25.9	27.2	24.6	24.4	26.6
Amortisation of goodwill	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Amortisation of intangible assets	-1.0	-1.2	-1.4	-1.7	3.3	3.9	2.1
Increase/decrease in long-term provisions	-1.0	-1.2	-1.4	-1.7	3.3	3.9	2.1
Other non-cash income and expenses	11.4	7.2	6.6	-0.1	0.0	0.0	0.0
Cash Flow before NWC change	48.0	49.0	57.4	54.0	58.1	63.3	64.9
Increase / decrease in inventory	2.4	5.3	-16.5	-37.9	-4.8	-5.7	-3.1
Increase / decrease in accounts receivable	-7.1	-5.8	1.8	-19.9	-5.0	-6.0	-3.3
Increase / decrease in accounts payable	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Increase / decrease in other working capital positions	0.3	0.2	0.3	-0.3	2.1	2.8	-9.2
Increase / decrease in working capital (total)	-4.4	-0.3	-14.4	-58.2	-7.6	-8.8	-15.6
Net cash provided by operating activities [1]	43.6	48.7	43.0	-4.2	50.5	54.5	49.3
Investments in intangible assets	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Investments in property, plant and equipment	-41.4	-28.8	-28.5	-29.1	-29.9	-30.8	-31.8
Payments for acquisitions	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Financial investments	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Income from asset disposals	0.1	0.0	0.1	0.6	0.0	0.0	0.0
Net cash provided by investing activities [2]	-41.3	-28.8	-28.5	-28.5	-29.9	-30.8	-31.8
Change in financial liabilities	4.8	-1.9	-12.7	45.9	-1.3	-12.9	-10.1
Dividends paid	-9.3	-7.8	-8.0	-10.3	-10.7	-11.3	-11.8
Purchase of own shares	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Capital measures	0.0	0.0	-1.0	0.0	0.0	0.0	0.0
Other	-1.6	-2.0	-1.9	-1.9	0.0	0.0	0.0
Net cash provided by financing activities [3]	-6.2	-11.7	-23.6	33.6	-12.1	-24.2	-21.9
Change in liquid funds [1]+[2]+[3]	-3.9	8.2	-9.3	0.8	8.5	-0.5	-4.4
Effects of exchange-rate changes on cash	0.1	-0.1	0.3	0.1	0.0	0.0	0.0
Cash and cash equivalent at end of period	9.1	17.1	8.3	9.2	17.7	17.2	12.9

Financial Ratios

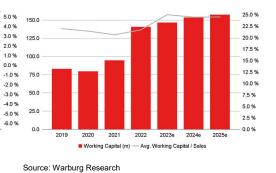
	2019	2020	2021	2022	2023e	2024e	2025e
		1010				_3_10	10100
Cash Flow							
FCF	2.3	19.9	14.5	-32.8	20.6	23.6	17.6
Free Cash Flow / Sales	0.6 %	5.2 %	3.4 %	-6.0 %	3.6 %	3.9 %	2.8 %
Free Cash Flow Potential	25.8	30.4	38.9	43.4	43.7	47.7	50.1
Free Cash Flow / Net Profit	12.8 %	100.9 %	52.7 %	-109.0 %	76.8 %	76.3 %	51.8 %
Interest Received / Avg. Cash	1.1 %	0.1 %	0.0 %	0.5 %	0.4 %	0.6 %	0.7 %
Interest Paid / Avg. Debt	4.5 %	3.5 %	2.7 %	3.5 %	4.2 %	4.5 %	4.5 %
Management of Funds							
Investment ratio	11.0 %	7.6 %	6.8 %	5.4 %	5.2 %	5.0 %	5.0 %
Maint. Capex / Sales	3.9 %	3.9 %	3.5 %	2.7 %	2.6 %	2.5 %	2.5 %
Capex / Dep	212.3 %	124.8 %	116.6 %	113.8 %	107.4 %	109.2 %	110.7 %
Avg. Working Capital / Sales	22.0 %	21.4 %	20.6 %	21.7 %	25.0 %	24.5 %	24.5 %
Trade Debtors / Trade Creditors	135.0 %	158.6 %	124.6 %	149.0 %	149.0 %	149.0 %	149.0 %
Inventory Turnover	1.9 x	2.0 x	2.0 x	2.4 x	2.2 x	2.3 x	2.3 x
Receivables collection period (days)	32	32	35	38	38	38	38
Payables payment period (days)	62	58	70	47	51	50	50
Cash conversion cycle (Days)	161	160	151	145	150	146	144

Free Cash Flow Generation

CAPEX and Cash Flow in EUR m



Working Capital



COMMENT

Published 20.06.2023

9



LEGAL DISCLAIMER

This research report ("investment recommendation") was prepared by the Warburg Research GmbH, a fully owned subsidiary of the M.M.Warburg & CO (AG & Co.) KGaA and is passed on by the M.M.Warburg & CO (AG & Co.) KGaA. It is intended solely for the recipient and may not be passed on to another company without their prior consent, regardless of whether the company is part of the same corporation or not. It contains selected information and does not purport to be complete. The investment recommendation is based on publicly available information and data ("information") believed to be accurate and complete. Warburg Research GmbH neither examines the information for accuracy and completeness, nor guarantees its accuracy and completeness. Possible errors or incompleteness of the information do not constitute grounds for liability of M.M.Warburg & CO (AG & Co.) KGaA or Warburg Research GmbH for damages of any kind whatsoever, and M.M.Warburg & CO (AG & Co.) KGaA and Warburg Research GmbH are not liable for indirect and/or direct and/or consequential damages. In particular, neither M.M.Warburg & CO (AG & Co.) KGaA nor Warburg Research GmbH are liable for the statements, plans or other details contained in these investment recommendations concerning the examined companies, their affiliated companies, strategies, economic situations, market and competitive situations, regulatory environment, etc. Although due care has been taken in compiling this investment recommendation, it cannot be excluded that it is incomplete or contains errors. M.M.Warburg & CO (AG & Co.) KGaA and Warburg Research GmbH, their shareholders and employees are not liable for the accuracy and completeness of the statements, estimations and the conclusions derived from the information contained in this investment recommendation. Provided a investment recommendation is being transmitted in connection with an existing contractual relationship, i.e. financial advisory or similar services, the liability of M.M.Warburg & CO (AG & Co.) KGaA and Warburg Research GmbH shall be restricted to gross negligence and wilful misconduct. In case of failure in essential tasks, M.M.Warburg & CO (AG & Co.) KGaA and Warburg Research GmbH are liable for normal negligence. In any case, the liability of M.M.Warburg & CO (AG & Co.) KGaA and Warburg Research GmbH is limited to typical, expectable damages. This investment recommendation does not constitute an offer or a solicitation of an offer for the purchase or sale of any security. Partners, directors or employees of M.M.Warburg & CO (AG & Co.) KGaA, Warburg Research GmbH or affiliated companies may serve in a position of responsibility, i.e. on the board of directors of companies mentioned in the report. Opinions expressed in this investment recommendation are subject to change without notice. The views expressed in this research report accurately reflect the research analyst's personal views about the subject securities and issuers. Unless otherwise specified in the research report, no part of the research analyst's compensation was, is, or will be directly or indirectly related to the specific recommendations or views contained in the research report. All rights reserved.

COPYRIGHT NOTICE

This work including all its parts is protected by copyright. Any use beyond the limits provided by copyright law without permission is prohibited and punishable. This applies, in particular, to reproductions, translations, microfilming, and storage and processing on electronic media of the entire content or parts thereof.

DISCLOSURE ACCORDING TO §85 OF THE GERMAN SECURITIES TRADING ACT (WPHG), MAR AND MIFID II INCL. COMMISSION DELEGATED REGULATION (EU) 2016/958 AND (EU) 2017/565

The valuation underlying the investment recommendation for the company analysed here is based on generally accepted and widely used methods of fundamental analysis, such as e.g. DCF Model, Free Cash Flow Value Potential, NAV, Peer Group Comparison or Sum of the Parts Model (see also <u>http://www.mmwarburg.de/disclaimer/disclaimer.htm#Valuation</u>). The result of this fundamental valuation is modified to take into consideration the analyst's assessment as regards the expected development of investor sentiment and its impact on the share price.

Independent of the applied valuation methods, there is the risk that the price target will not be met, for instance because of unforeseen changes in demand for the company's products, changes in management, technology, economic development, interest rate development, operating and/or material costs, competitive pressure, supervisory law, exchange rate, tax rate etc. For investments in foreign markets and instruments there are further risks, generally based on exchange rate changes or changes in political and social conditions.

This commentary reflects the opinion of the relevant author at the point in time of its compilation. A change in the fundamental factors underlying the valuation can mean that the valuation is subsequently no longer accurate. Whether, or in what time frame, an update of this commentary follows is not determined in advance.

Additional internal and organisational arrangements to prevent or to deal with conflicts of interest have been implemented. Among these are the spatial separation of Warburg Research GmbH from M.M.Warburg & CO (AG & Co.) KGaA and the creation of areas of confidentiality. This prevents the exchange of information, which could form the basis of conflicts of interest for Warburg Research GmbH in terms of the analysed issuers or their financial instruments.

The analysts of Warburg Research GmbH do not receive a gratuity – directly or indirectly – from the investment banking activities of M.M.Warburg & CO (AG & Co.) KGaA or of any company within the Warburg-Group.

All prices of financial instruments given in this investment recommendation are the closing prices on the last stock-market trading day before the publication date stated, unless another point in time is explicitly stated.

M.M.Warburg & CO (AG & Co.) KGaA and Warburg Research GmbH are subject to the supervision of the Federal Financial Supervisory Authority, BaFin. M.M.Warburg & CO (AG & Co.) KGaA is additionally subject to the supervision of the European Central Bank (ECB).

SOURCES

All data and consensus estimates have been obtained from FactSet except where stated otherwise.

The **Warburg ESG Risk Score** is based on information © 2020 MSCI ESG Research LLC. Reproduced by permission. Although Warburg Research's information providers, including without limitation, MSCI ESG Research LLC and its affiliates (the "ESG Parties"), obtain information (the "Information") from sources they consider reliable, none of the ESG Parties warrants or guarantees the originality, accuracy and/or completeness, of any data herein and expressly disclaim all express or implied warranties, including those of merchantability and fitness for a particular purpose. The Information may only be used for your internal use, may not be reproduced or redisseminated in any form and may not be used as a basis for, or a component, of any financial instruments or products indices. Further, none of the Information can in and of itself be used to determine which securities to buy or sell or when to buy or sell them. None of the ESG Parties shall have any liability for any errors or omissions in connection with any data herein, or any liability for any direct, indirect, special, punitive, consequential or any other damage (including lost profits) even if notified of the possibility.



Additional information for clients in the United States

1. This research report (the "Report") is a product of Warburg Research GmbH, Germany, a fully owned subsidiary of M.M.Warburg & CO (AG & Co.) KGaA, Germany (in the following collectively "Warburg"). Warburg is the employer of the research analyst(s), who have prepared the Report. The research analyst(s) reside outside the United States and are not associated persons of any U.S. regulated broker-dealer and therefore are not subject to the supervision of any U.S. regulated broker-dealer.

2. The Report is provided in the United States for distribution solely to "major U.S. institutional investors" under Rule 15a-6 of the U.S. Securities Exchange Act of 1934 by CIC.

3. CIC (Crédit Industriel et Commercial) and M.M. Warburg & CO have concluded a Research Distribution Agreement that gives CIC Market Solutions exclusive distribution in France, the US and Canada of the Warburg Research GmbH research product.

4. The research reports are distributed in the United States of America by CIC ("CIC") pursuant to a SEC Rule 15a-6 agreement with CIC Market Solutions Inc ("CICI"), a U.S. registered broker-dealer and a related company of CIC, and are distributed solely to persons who qualify as "Major U.S. Institutional Investors" as defined in SEC Rule 15a-6 under the Securities Exchange Act of 1934.

5. Any person who is not a Major U.S. Institutional Investor must not rely on this communication. The delivery of this research report to any person in the United States of America is not a recommendation to effect any transactions in the securities discussed herein, or an endorsement of any opinion expressed herein.

Reference in accordance with section 85 of the German Securities Trading Act (WpHG) and Art. 20 MAR regarding possible conflicts of interest with companies analysed:

- -1- Warburg Research, or an affiliated company, or an employee of one of these companies responsible for the compilation of the research, hold a share of more than 5% of the equity capital of the analysed company.
- -2- Warburg Research, or an affiliated company, within the last twelve months participated in the **management of a consortium** for an issue in the course of a public offering of such financial instruments, which are, or the issuer of which is, the subject of the investment recommendation.
- -3- Companies affiliated with Warburg Research manage financial instruments, which are, or the issuers of which are, subject of the investment recommendation, in a market based on the provision of buy or sell contracts.
- MMWB, Warburg Research, or an affiliated company, reached an agreement with the issuer to provide investment banking and/or investment services and the relevant agreement was in force in the last 12 months or there arose for this period, based on the relevant agreement, the obligation to provide or to receive a service or compensation provided that this disclosure does not result in the disclosure of confidential business information.
- -5- The company compiling the analysis or an affiliated company had reached an **agreement on the compilation of the investment recommendation** with the analysed company.
- -6a- Warburg Research, or an affiliated company, holds a **net long position of more than 0.5%** of the total issued share capital of the analysed company.
- -6b- Warburg Research, or an affiliated company, holds a **net short position of more than 0.5%** of the total issued share capital of the analysed company.
- -6c- The issuer holds shares of more than 5% of the total issued capital of Warburg Research or an affiliated company.
- -7- The company preparing the analysis as well as its affiliated companies and employees have **other important interests** in relation to the analysed company, such as, for example, the exercising of mandates at analysed companies.

This report has been made accessible to the company analysed and was modified thereafter.

Company	Disclosure	Link to the historical price targets and rating changes (last 12 months)
Alzchem	5	https://www.mmwarburg.com/disclaimer/disclaimer_en/DE000A2YNT30.htm



INVESTMENT RECOMMENDATION

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 mon	
-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	159	75
Hold	43	20
Sell	7	3
Rating suspended	3	1
Total	212	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	45	88
Hold	5	10
Sell	0	0
Rating suspended	1	2
Total	51	100

PRICE AND RATING HISTORY ALZCHEM AS OF 20.06.2023



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.

EQUITIES

Matthias Rode Head of Equities

RESEARCH

Michael Heider Head of Research Henner Rüschmeier Head of Research Stefan Augustin Cap. Goods, Engineering Jan Bauer Renewables **Christian Cohrs** Industrials & Transportation Dr. Christian Ehmann BioTech, Life Science Felix Ellmann Software, IT Jörg Philipp Frey Retail, Consumer Goods Marius Fuhrberg Financial Services Fabio Hölscher Automobiles, Car Suppliers Philipp Kaiser Real Estate, Construction Thilo Kleibauer Retail Consumer Goods

INSTITUTIONAL EQUITY SALES

+49 40 309537-280 mheider@warburg-research.com +49 40 309537-270 hrueschmeier@warburg-research.com +49 40 309537-168 saugustin@warburg-research.com +49 40 309537-155 jbauer@warburg-research.com +49 40 309537-175 ccohrs@warburg-research.com +49 40 309537-167 cehmann@warburg-research.com +49 40 309537-120 fellmann@warburg-research.com +49 40 309537-258 jfrey@warburg-research.com +49 40 309537-185 mfuhrberg@warburg-research.com +49 40 309537-240 fhoelscher@warburg-research.com +49 40 309537-260 pkaiser@warburg-research.com +49 40 309537-257 tkleibauer@warburg-research.com

+49 40 3282-2678

mrode@mmwarburg.com

+49 40 3282-2660 mniemann@mmwarburg.com +49 69 5050-7400 kschilling@mmwarburg.com +49 40 3282-2665 tbeckmann@mmwarburg.com +49 69 5050-7411 lbogdanova@mmwarburg.com +49 69 5050-7415 jbuchmueller@mmwarburg.com +49 40 3282-2696 mfritsch@mmwarburg.com +49 69 5050-7413 mmartin@mmwarburg.com

SALES TRADING

Marc Niemann

Klaus Schilling

Tim Beckmann

United Kingdom, Ireland

Jens Buchmüller

Scandinavia, Austria

Matthias Fritsch

Maximilian Martin

United Kingdom

Austria. Poland

United Kingdom Lea Bogdanova

Head of Equity Sales. Germany

Head of Equity Sales, Germany

+49 40 3282-2634 **Oliver Merckel** Head of Sales Trading omerckel@mmwarburg.com Marcel Magiera +49 40 3282-2662 Sales Trading mmagiera@mmwarburg.com Rico Müller +49 40 3282-2685 Sales Trading rmueller@mmwarburg.com **Bastian Quast** +49 40 3282-2701 Sales Trading bquast@mmwarburg.com

MACRO RESEARCH С

Carsten Klude Macro Research	+49 40 3282-2572 cklude@mmwarburg.com	Dr. Christian Jasperneite Investment Strategy	+49 40 3282-2439 cjasperneite@mmwarburg.com
Our research can l	be found under:		
Warburg Research	research.mmwarburg.com/en/index.html	Refinitiv	www.refinitiv.com
Bloomberg	RESP MMWA GO	Capital IQ	www.capitaliq.com
FactSet	www.factset.com		
For access please co	ontact:		
Andrea Schaper Sales Assistance	+49 40 3282-2632 aschaper@mmwarburg.com	Kerstin Muthig Sales Assistance	+49 40 3282-2703 kmuthig@mmwarburg.com

Hannes Müller Software, I Andreas Pläsier Banks, Financial Services Malte Schaumann Technology **Oliver Schwarz** Chemicals, Agriculture Simon Stippig Real Estate, Telco Cansu Tatar Cap. Goods, Engineering Marc-René Tonn Automobiles, Car Suppliers Robert-Jan van der Horst Technology Andreas Wolf Software, IT

+49 40 309537-255 hmueller@warburg-research.com +49 40 309537-246 aplaesier@warburg-research.com +49 40 309537-170 mschaumann@warburg-research.com +49 40 309537-250 oschwarz@warburg-research.com +49 40 309537-265 sstippig@warburg-research.com +49 40 309537-248 ctatar@warburg-research.com +49 40 309537-259 mtonn@warburg-research.com +49 40 309537-290 rvanderhorst@warburg-research.com +49 40 309537-140 awolf@warburg-research.com

Rudolf Michaelis Switzerland **Christopher Seedorf** Switzerland

Charlotte Wernicke Roadshow/Marketing Juliane Niemann Roadshow/Marketing

Jan-Philip Schmidt Sales Trading Sebastian Schulz Sales Trading Jörg Treptow Sales Trading

+49 40 3282-2669 cwernicke@mmwarburg.com +49 40 3282-2694 jniemann@mmwarburg.com

+49 40 3282-2649

+49 40 3282-2695

rmichaelis@mmwarburg.com

cseedorf@mmwarburg.com

+49 40 3282-2682 jschmidt@mmwarburg.com +49 40 3282-2631 sschulz@mmwarburg.com +49 40 3282-2658 jtreptow@mmwarburg.com