(CDAX, Software/IT, GKS GR)



D		Value Indicators:	EUR	Warburg ESG Risk Score:	2.2	Description:	
Buy		DCF:	199.49	ESG Score (MSCI based):	3.0	Leading software company for	
				Balance Sheet Score:	3.5	stationary retailers	
EUR 200.00	(EUR 220.00)			Market Liquidity Score:	0.0	, ·	
		Market Snapshot:	EUR m	Shareholders:		Key Figures (WRe):	2022e
		Market cap:	321.4	Freefloat	58.15 %	Beta:	1.3
Price	EUR 135.00	No. of shares (m):	2.4	Rainer Gläß	23.57 %	Price / Book:	3.3 x
Upside	48.1 %	EV:	287.1	Stephan Kronmüller	18.29 %	Equity Ratio:	68 %
		Freefloat MC:	186.9				
		Ø Trad. Vol. (30d):	141.11 th				

## Solid Q2 and confirmation of FY guidance

Stated Figure	es Q2/2022	<u>:</u>					
in EUR m	Q2/22	Q2/22e	Q2/21	yoy	6M/22	6M/21	yoy
Sales	35.3	36.0	33.9	4.1%	75.1	64.4	16.7%
EBIT margin	<b>3.1</b> 8.9%	3.7 10.3%	8.6 25.3%	-63.4%	<b>11.3</b> <i>15.0%</i>	11.8 <i>18.3%</i>	-4.3%

### Comment on Figures:

- On August 23, 2022, GK Software announced the preliminary figures for the first half of the year and the second quarter of 2022.
- The development is supported by increasing cloud sales and good business with existing customers, although, as expected, Q2 was not able to build on the extremely strong Q1.
- Bear in mind that the first half of 2021 was positively influenced by the sale of a company. H1 2021 EBIT excluding special items was EUR 9.0m compared to EUR 11.8m as reported.

Q1 was very strong driven by a large license-deal, which led to high one-time revenues in Q1. There was obviously no comparable deal in the second quarter. But based on cloud business and existing customers' revenue contribution, Q2 was solid. The complete report will be published on August 30.

Against the background of these developments and the current sales prospects for the second half of the year, the management board confirmed its forecast for 2022 (sales growth as in 2021 (11.3%), EBIT margin development towards 15%) and the medium-term forecast for 2023 (sales 165-175m, EBIT 15%). The medium-term forecast for 2023 is particularly decisive here, as it corresponds to the WRe expectation for 2023 (sales EUR 169m, EBIT 25.4m / 15%).

As there is no change in the operational assumptions, our estimates remain unchanged. Nevertheless, a significant change is applied to the DCF model. As part of the adjustment of the discount factors across the entire universe of the Warburg coverage, to reflect the new interest rate environment, the WACC of GK software was increased from 9.15% to 9.90%.

This results in a new target price of EUR 200 (220). The stock continues to be rated Buy.



Rel. Performance vs CDAX:	
1 month:	6.0 %
6 months:	19.1 %
Year to date:	7.1 %
Trailing 12 months:	8.5 %
Company events:	

FY End: 31.12.	CAGR							
in EUR m	(21-24e)	2018	2019	2020	2021	2022e	2023e	2024e
Sales	12.8 %	106.2	115.4	117.6	130.8	152.0	169.0	187.6
Change Sales yoy		17.4 %	8.8 %	1.8 %	11.3 %	16.2 %	11.2 %	11.0 %
Gross profit margin		92.7 %	94.6 %	92.7 %	89.2 %	89.0 %	89.0 %	89.0 %
EBITDA	15.5 %	6.8	12.3	19.7	26.8	32.4	36.0	41.3
Margin		6.4 %	10.6 %	16.7 %	20.5 %	21.3 %	21.3 %	22.0 %
EBIT	19.4 %	1.6	3.4	10.5	17.3	22.8	25.4	29.5
Margin		1.5 %	3.0 %	9.0 %	13.2 %	15.0 %	15.0 %	15.7 %
Net income	14.3 %	0.9	-3.1	6.3	13.2	15.0	16.8	19.7
EPS	14.3 %	0.49	-1.55	3.00	5.53	6.29	7.04	8.26
EPS adj.	14.3 %	0.49	-1.55	3.00	5.53	6.29	7.04	8.26
DPS	-	0.00	0.00	0.00	0.00	0.50	1.00	1.00
Dividend Yield		n.a.	n.a.	n.a.	n.a.	0.4 %	0.7 %	0.7 %
FCFPS		-9.27	-1.92	7.11	8.70	6.76	8.06	9.64
FCF / Market cap		-9.0 %	-2.8 %	10.3 %	6.3 %	5.0 %	6.0 %	7.1 %
EV / Sales		2.1 x	1.5 x	1.5 x	2.4 x	1.9 x	1.6 x	1.3 x
EV / EBITDA		32.3 x	14.1 x	8.7 x	11.5 x	8.9 x	7.5 x	6.0 x
EV / EBIT		138.3 x	50.4 x	16.4 x	17.8 x	12.6 x	10.6 x	8.4 x
P/E		210.4 x	n.a.	23.0 x	24.8 x	21.5 x	19.2 x	16.3 x
P / E adj.		210.4 x	n.a.	23.0 x	24.8 x	21.5 x	19.2 x	16.3 x
FCF Potential Yield		3.4 %	4.6 %	9.8 %	7.7 %	9.1 %	10.8 %	13.3 %
Net Debt		24.6	34.8	26.5	-18.2	-34.3	-52.3	-72.9
ROCE (NOPAT)		16.1 %	n.a.	9.5 %	19.9 %	25.0 %	28.5 %	34.6 %
Guidance:	2023 sales El	JR 165-175m	, EBIT 15%					

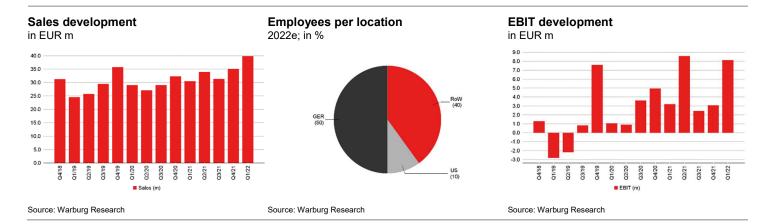
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Q2

Q3



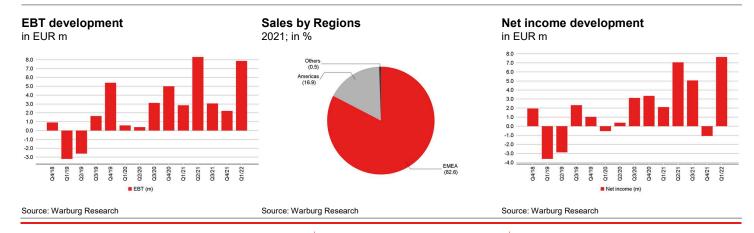


### **Company Background**

- GK Software is the leading software supplier for retailers.
- As well as standard processes, GK Software solutions facilitate special requirements such as bonus programmes, the recording of fiscal details and the seamless integration in back-end solutions.
- The business activities of GK Software divides into two segments the sale of product licences and the corresponding services.

## **Competitive Quality**

- The structural advantages of GK Software are compelling:
- GK Software's leading solution is completely Java-based, which makes it lean, platform independent and means it can be operated on the existing customer infrastructure.
- For many retail projects, GK competitors tend to undercalculate their bids and as a consequence are unable to complete the project on time and within budget.
- GK has outstanding reference clients (Hornbach, Kaufhof, Doublas, Netto, Tchibo, T-Punkt, Thalia, JYSK Nordic...)
- At the same time, GK Software's personnel costs are, depending on the location, often about 20% below those of a similar project team of a large system integrator.



# **GK Software**



DCF model														
	Detailed	d forecas	t period				7	ransition	al period					Term. Value
Figures in EUR m	2022e	2023e	2024e	2025e	2026e	2027e	2028e	2029e	2030e	2031e	2032e	2033e	2034e	
Sales	152.0	169.0	187.6	208.2	231.1	251.9	269.6	285.7	302.9	321.1	340.3	360.7	382.4	
Sales change	16.2 %	11.2 %	11.0 %	11.0 %	11.0 %	9.0 %	7.0 %	6.0 %	6.0 %	6.0 %	6.0 %	6.0 %	6.0 %	2.5 %
EBIT	22.8	25.4	29.5	33.3	39.3	45.3	51.2	57.1	60.6	64.2	68.1	72.1	76.5	
EBIT-margin	15.0 %	15.0 %	15.7 %	16.0 %	17.0 %	18.0 %	19.0 %	20.0 %	20.0 %	20.0 %	20.0 %	20.0 %	20.0 %	
Tax rate (EBT)	29.0 %	29.0 %	29.0 %	29.0 %	29.0 %	29.0 %	29.0 %	29.0 %	29.0 %	29.0 %	29.0 %	29.0 %	29.0 %	
NOPAT	16.2	18.0	20.9	23.7	27.9	32.2	36.4	40.6	43.0	45.6	48.3	51.2	54.3	
Depreciation	9.6	10.6	11.8	14.6	11.6	10.1	8.1	8.6	9.1	9.6	10.2	10.8	11.5	
in % of Sales	6.3 %	6.3 %	6.3 %	7.0 %	5.0 %	4.0 %	3.0 %	3.0 %	3.0 %	3.0 %	3.0 %	3.0 %	3.0 %	
Changes in provisions	0.0	0.0	0.0	-1.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Change in Liquidity from														
- Working Capital	3.1	2.4	2.7	3.0	3.3	3.0	2.5	2.3	2.5	2.6	2.8	2.9	3.1	
- Capex	5.5	6.0	6.0	7.3	9.2	7.6	8.1	8.6	9.1	9.6	10.2	10.8	11.5	
Capex in % of Sales	3.6 %	3.6 %	3.2 %	3.5 %	4.0 %	3.0 %	3.0 %	3.0 %	3.0 %	3.0 %	3.0 %	3.0 %	3.0 %	
- 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)	17.2	20.2	24.0	26.8	27.0	31.8	33.9	38.3	40.6	43.0	45.6	48.3	51.2	53
PV of FCF	16.6	17.9	19.3	19.6	17.9	19.2	18.6	19.2	18.5	17.8	17.2	16.6	16.0	223
share of PVs		11.75 %						39.46	6 %					48.79 %

Model parameter				Valuation (m)								
Derivation of WACC:		Derivation of Beta:		Present values 2034e	234							
				Terminal Value	223							
Debt ratio	0.00 %	Financial Strength	1.30	Financial liabilities	27							
Cost of debt (after tax)	4.2 %	Liquidity (share)	1.30	Pension liabilities	2							
Market return	8.25 %	Cyclicality	1.30	Hybrid capital	0							
Risk free rate	2.75 %	Transparency	1.30	Minority interest	1							
		Others	1.30	Market val. of investments	0							
				Liquidity	47	No. of shares (m)	2.4					
WACC	9.90 %	Beta	1.30	Equity Value	475	Value per share (EUR)	199.49					

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
1.48	10.9 %	168.18	170.09	172.10	174.24	176.51	178.92	181.48	1.48	10.9 %	160.63	165.16	169.70	174.24	178.78	183.32	187.85
1.39	10.4 %	178.84	181.10	183.49	186.04	188.75	191.65	194.75	1.39	10.4 %	171.49	176.34	181.19	186.04	190.89	195.74	200.59
1.35	10.2 %	184.66	187.13	189.75	192.54	195.52	198.71	202.13	1.35	10.2 %	177.47	182.50	187.52	192.54	197.56	202.58	207.61
1.30	9.9 %	190.86	193.56	196.43	199.49	202.77	206.29	210.07	1.30	9.9 %	183.88	189.08	194.29	199.49	204.70	209.90	215.11
1.25	9.7 %	197.47	200.42	203.58	206.95	210.57	214.45	218.65	1.25	9.7 %	190.74	196.14	201.55	206.95	212.35	217.75	223.16
1.21	9.4 %	204.53	207.77	211.24	214.96	218.96	223.27	227.94	1.21	9.4 %	198.12	203.73	209.35	214.96	220.58	226.19	231.81
1.12	8.9 %	220.19	224.12	228.36	232.92	237.85	243.21	249.03	1.12	8.9 %	214.65	220.74	226.83	232.92	239.01	245.10	251.19

- GK has been able to grow strongly in recent years and, last but not least, convince in terms of profitability
- The technological leadership position and the cooperation with SAP form a good basis for further growth
- This leading position in the world provides considerable scope for sales and earnings

# **GK Software**



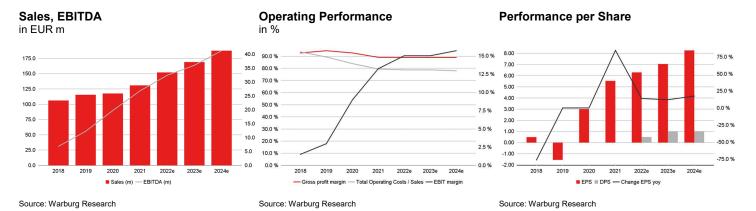
Valuation							
	2018	2019	2020	2021	2022e	2023e	2024e
Price / Book	5.0 x	3.3 x	3.0 x	4.0 x	3.3 x	2.8 x	2.5 x
Book value per share ex intangibles	4.82	6.71	10.68	21.43	29.98	39.18	49.42
EV / Sales	2.1 x	1.5 x	1.5 x	2.4 x	1.9 x	1.6 x	1.3 x
EV / EBITDA	32.3 x	14.1 x	8.7 x	11.5 x	8.9 x	7.5 x	6.0 x
EV / EBIT	138.3 x	50.4 x	16.4 x	17.8 x	12.6 x	10.6 x	8.4 x
EV / EBIT adj.*	138.3 x	50.4 x	16.4 x	17.8 x	12.6 x	10.6 x	8.4 x
P / FCF	n.a.	n.a.	9.7 x	15.8 x	20.0 x	16.8 x	14.0 x
P/E	210.4 x	n.a.	23.0 x	24.8 x	21.5 x	19.2 x	16.3 x
P / E adj.*	210.4 x	n.a.	23.0 x	24.8 x	21.5 x	19.2 x	16.3 x
Dividend Yield	n.a.	n.a.	n.a.	n.a.	0.4 %	0.7 %	0.7 %
FCF Potential Yield (on market EV)	3.4 %	4.6 %	9.8 %	7.7 %	9.1 %	10.8 %	13.3 %
*Adjustments made for: -							



Consolidated profit & loss							
In EUR m	2018	2019	2020	2021	2022e	2023e	2024
Sales	106.2	115.4	117.6	130.8	152.0	169.0	187.6
Change Sales yoy	17.4 %	8.8 %	1.8 %	11.3 %	16.2 %	11.2 %	11.0 %
Increase / decrease in inventory	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Own work capitalised	0.0	0.0	0.8	0.0	0.0	0.0	0.0
Total Sales	106.2	115.4	118.4	130.8	152.0	169.0	187.6
Material expenses	7.7	6.2	9.4	14.2	16.7	18.6	20.6
Gross profit	98.4	109.2	109.0	116.7	135.3	150.4	167.0
Gross profit margin	92.7 %	94.6 %	92.7 %	89.2 %	89.0 %	89.0 %	89.0 %
Personnel expenses	68.8	78.1	75.6	78.7	91.2	101.4	112.6
Other operating income	3.6	3.8	4.3	8.7	7.6	8.5	9.4
Other operating expenses	26.4	22.7	17.9	19.9	19.3	21.5	22.5
Unfrequent items	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EBITDA	6.8	12.3	19.7	26.8	32.4	36.0	41.3
Margin	6.4 %	10.6 %	16.7 %	20.5 %	21.3 %	21.3 %	22.0 %
Depreciation of fixed assets	2.7	2.0	1.8	2.4	2.3	2.5	2.8
EBITA	4.1	10.3	17.9	24.4	30.1	33.5	38.5
Amortisation of intangible assets	2.5	6.8	7.4	7.1	7.3	8.1	9.0
Goodwill amortisation	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EBIT	1.6	3.4	10.5	17.3	22.8	25.4	29.5
Margin	1.5 %	3.0 %	9.0 %	13.2 %	15.0 %	15.0 %	15.7 %
EBIT adj.	1.6	3.4	10.5	17.3	22.8	25.4	29.5
Interest income	0.1	0.1	0.2	0.6	0.0	0.0	0.0
Interest expenses	1.6	2.3	1.6	1.4	1.5	1.5	1.5
Other financial income (loss)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EBT	0.2	1.2	9.1	16.5	21.3	23.9	28.0
Margin	0.2 %	1.1 %	7.7 %	12.6 %	14.0 %	14.1 %	14.9 %
Total taxes	-0.8	4.4	2.8	3.2	6.2	6.9	8.1
Net income from continuing operations	0.9	-3.1	6.3	13.3	15.1	16.9	19.8
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	0.9	-3.1	6.3	13.3	15.1	16.9	19.8
Minority interest	0.0	0.0	-0.1	0.1	0.2	0.2	0.2
Net income	0.9	-3.1	6.3	13.2	15.0	16.8	19.7
Margin	0.9 %	-2.7 %	5.4 %	10.1 %	9.8 %	9.9 %	10.5 %
Number of shares, average	1.9	2.0	2.1	2.4	2.4	2.4	2.4
EPS	0.49	-1.55	3.00	5.53	6.29	7.04	8.26
EPS adj.	0.49	-1.55	3.00	5.53	6.29	7.04	8.26
*Adjustments made for:							

Guidance: 2023 sales EUR 165-175m, EBIT 15%

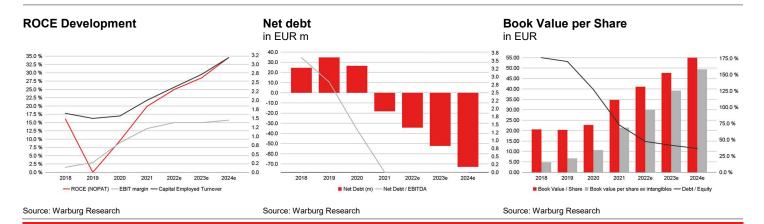
Financial Ratios							
	2018	2019	2020	2021	2022e	2023e	2024e
Total Operating Costs / Sales	93.6 %	89.4 %	84.0 %	79.5 %	78.7 %	78.7 %	78.0 %
Operating Leverage	-3.9 x	13.1 x	113.2 x	5.7 x	2.0 x	1.0 x	1.5 x
EBITDA / Interest expenses	4.4 x	5.4 x	12.0 x	18.8 x	21.6 x	24.0 x	27.5 x
Tax rate (EBT)	-439.8 %	354.6 %	31.1 %	19.2 %	29.0 %	29.0 %	29.0 %
Dividend Payout Ratio	0.0 %	0.0 %	0.0 %	0.0 %	7.9 %	14.1 %	12.0 %
Sales per Employee	232,188	247,572	247,158	269,699	307,156	334,812	364,355





Consolidated balance sheet							
In EUR m	2018	2019	2020	2021	2022e	2023e	2024e
Assets							
Goodwill and other intangible assets	30.0	27.6	25.4	31.7	26.4	20.3	13.3
thereof other intangible assets	12.2	22.2	25.4	31.7	26.4	20.3	13.3
thereof Goodwill	17.9	5.4	0.0	0.0	0.0	0.0	0.0
Property, plant and equipment	22.7	33.0	31.1	21.3	22.5	24.0	25.2
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	52.8	60.7	56.6	53.0	48.9	44.3	38.5
Inventories	0.5	0.3	0.2	0.1	0.1	0.1	0.1
Accounts receivable	26.0	24.0	24.0	24.0	27.9	31.0	34.4
Liquid assets	11.8	8.1	9.4	46.9	48.4	66.4	87.0
Other short-term assets	20.0	21.2	20.6	20.2	20.2	20.2	20.2
Current assets	58.4	53.5	54.2	91.2	96.6	117.7	141.6
Total Assets	111.2	114.2	110.7	144.2	145.5	162.0	180.1
Liabilities and shareholders' equity							
Subscribed capital	1.9	2.0	2.1	2.3	2.3	2.3	2.3
Capital reserve	21.4	27.3	28.7	49.3	49.3	49.3	49.3
Retained earnings	0.0	0.0	0.0	0.0	15.0	30.6	47.9
Other equity components	15.8	11.8	17.2	31.1	31.2	31.4	31.5
Shareholders' equity	39.2	41.2	47.9	82.7	97.8	113.5	130.9
Minority interest	1.1	1.1	0.7	0.9	0.9	0.9	0.9
Total equity	40.3	42.3	48.7	83.6	98.6	114.4	131.8
Provisions	3.1	4.2	3.5	2.4	2.4	2.4	2.4
thereof provisions for pensions and similar obligations	1.6	2.8	2.7	1.9	1.9	1.9	1.9
Financial liabilities (total)	34.8	40.1	33.2	26.8	12.2	12.2	12.2
Short-term financial liabilities	12.3	13.9	7.8	1.0	1.0	1.0	1.0
Accounts payable	2.4	2.5	3.6	5.2	6.0	6.7	7.4
Other liabilities	30.7	25.2	21.7	26.2	26.2	26.2	26.2
Liabilities	70.9	71.9	62.0	60.7	46.9	47.6	48.3
Total liabilities and shareholders' equity	111.2	114.2	110.7	144.2	145.5	162.0	180.1

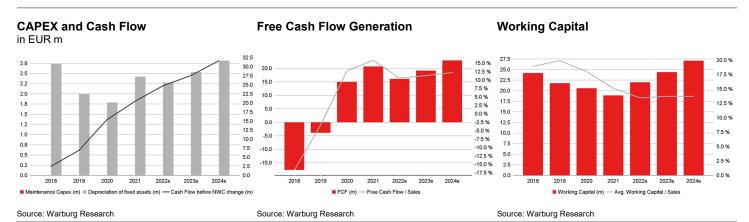
Financial Ratios							
	2018	2019	2020	2021	2022e	2023e	2024e
Efficiency of Capital Employment							
Operating Assets Turnover	2.3 x	2.1 x	2.3 x	3.3 x	3.4 x	3.5 x	3.6 x
Capital Employed Turnover	1.6 x	1.5 x	1.6 x	2.0 x	2.4 x	2.7 x	3.2 x
ROA	1.8 %	-5.2 %	11.2 %	24.8 %	30.6 %	37.8 %	51.1 %
Return on Capital							
ROCE (NOPAT)	16.1 %	n.a.	9.5 %	19.9 %	25.0 %	28.5 %	34.6 %
ROE	2.4 %	-7.8 %	14.2 %	20.1 %	16.6 %	15.9 %	16.1 %
Adj. ROE	2.4 %	-7.8 %	14.2 %	20.1 %	16.6 %	15.9 %	16.1 %
Balance sheet quality							
Net Debt	24.6	34.8	26.5	-18.2	-34.3	-52.3	-72.9
Net Financial Debt	23.0	32.0	23.8	-20.1	-36.2	-54.2	-74.8
Net Gearing	61.1 %	82.3 %	54.5 %	-21.8 %	-34.8 %	-45.7 %	-55.3 %
Net Fin. Debt / EBITDA	337.0 %	261.2 %	120.8 %	n.a.	n.a.	n.a.	n.a.
Book Value / Share	20.6	20.4	22.7	34.7	41.1	47.7	55.0
Book value per share ex intangibles	4.8	6.7	10.7	21.4	30.0	39.2	49.4





Consolidated cash flow statement							
In EUR m	2018	2019	2020	2021	2022e	2023e	2024
Net income	0.9	-3.1	6.3	13.3	15.1	16.9	19.8
Depreciation of fixed assets	2.7	2.0	1.8	2.4	2.3	2.5	2.8
Amortisation of goodwill	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Amortisation of intangible assets	2.5	6.8	7.4	7.1	7.3	8.1	9.0
Increase/decrease in long-term provisions	-0.3	1.2	0.0	-0.8	0.0	0.0	0.0
Other non-cash income and expenses	-3.3	0.0	0.0	-1.5	0.0	0.0	0.0
Cash Flow before NWC change	2.5	6.9	15.4	20.4	24.7	27.6	31.7
Increase / decrease in inventory	0.5	0.2	0.1	0.1	0.0	0.0	0.0
Increase / decrease in accounts receivable	-8.3	2.0	0.0	0.0	-3.9	-3.1	-3.4
Increase / decrease in accounts payable	-0.3	0.1	1.1	1.6	8.0	0.7	0.7
Increase / decrease in other working capital positions	0.0	-9.6	1.1	1.1	0.0	0.0	0.0
Increase / decrease in working capital (total)	-8.2	-7.1	2.3	2.8	-3.1	-2.4	-2.7
Net cash provided by operating activities [1]	-5.7	-0.2	17.7	23.2	21.6	25.2	29.0
Investments in intangible assets	-0.3	-0.5	-0.8	-1.0	-2.0	-2.0	-2.0
Investments in property, plant and equipment	-11.7	-3.1	-1.9	-1.5	-3.5	-4.0	-4.0
Payments for acquisitions	-3.9	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	0.2	0.0	-0.3	5.0	0.0	0.0	0.0
Net cash provided by investing activities [2]	-15.7	-3.6	-3.0	2.4	-5.5	-6.0	-6.0
Change in financial liabilities	-0.9	5.3	-6.9	-6.4	-14.6	0.0	0.0
Dividends paid	0.0	0.0	0.0	0.0	0.0	-1.2	-2.4
Purchase of own shares	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Capital measures	0.6	0.0	0.0	20.5	0.0	0.0	0.0
Other	0.0	-5.2	-4.4	16.0	0.0	0.0	0.0
Net cash provided by financing activities [3]	-0.3	0.1	-11.3	30.1	-14.6	-1.2	-2.4
Change in liquid funds [1]+[2]+[3]	-21.7	-3.8	3.4	55.8	1.5	18.0	20.6
Effects of exchange-rate changes on cash	-0.1	0.0	0.0	0.1	0.0	0.0	0.0
Cash and cash equivalent at end of period	8.7	2.3	5.7	61.5	48.4	66.4	87.0

Financial Ratios							
	2018	2019	2020	2021	2022e	2023e	2024e
Cash Flow							
FCF	-17.6	-3.9	15.0	20.7	16.1	19.2	23.0
Free Cash Flow / Sales	-16.6 %	-3.4 %	12.8 %	15.8 %	10.6 %	11.3 %	12.2 %
Free Cash Flow Potential	7.6	7.9	16.9	23.6	26.2	29.1	33.2
Free Cash Flow / Net Profit	-1907.9 %	124.3 %	237.2 %	157.5 %	107.5 %	114.4 %	116.8 %
Interest Received / Avg. Cash	0.7 %	0.7 %	2.2 %	2.0 %	0.0 %	0.0 %	0.0 %
Interest Paid / Avg. Debt	4.7 %	6.1 %	4.5 %	4.8 %	7.7 %	12.3 %	12.3 %
Management of Funds							
Investment ratio	11.3 %	3.2 %	2.3 %	1.9 %	3.6 %	3.6 %	3.2 %
Maint. Capex / Sales	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Capex / Dep	228.7 %	41.3 %	29.3 %	26.5 %	57.4 %	56.4 %	50.8 %
Avg. Working Capital / Sales	18.9 %	19.9 %	18.0 %	15.1 %	13.5 %	13.7 %	13.7 %
Trade Debtors / Trade Creditors	1100.6 %	965.5 %	667.8 %	464.6 %	465.0 %	462.7 %	464.9 %
Inventory Turnover	14.8 x	21.9 x	47.2 x	199.5 x	167.2 x	185.9 x	206.3 x
Receivables collection period (days)	90	76	74	67	67	67	67
Payables payment period (days)	112	146	139	133	131	132	131
Cash conversion cycle (Days)	2	-53	-57	-64	-62	-63	-62





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GK Software	5	http://www.mmwarburg.com/disclaimer/disclaimer en/DE0007571424.htm

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<b>"_</b> "	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	

Rating	Number of stocks	% of Universe
Buy	161	75
Hold	46	21
Sell	4	2
Rating suspended	4	2
Total	215	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	48	83
Hold	8	14
Sell	0	0
Rating suspended	2	3
Total	58	100

### PRICE AND RATING HISTORY GK SOFTWARE AS OF 24.08.2022



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FOULTIES					
EQUITIES					
Matthias Rode Head of Equities	+49 40 3282-2678 mrode@mmwarburg.com				
RESEARCH					
Michael Heider	+49 40 309537-280	Philipp Kaiser	+49 40 309537-260		
Head of Research	mheider@warburg-research.com	Real Estate	pkaiser@warburg-research.com		
Henner Rüschmeier	+49 40 309537-270	Thilo Kleibauer Retail, Consumer Goods	+49 40 309537-257		
Head of Research  Stefan Augustin	hrueschmeier@warburg-research.com +49 40 309537-168	Andreas Pläsier	tkleibauer@warburg-research.com +49 40 309537-246		
Cap. Goods, Engineering	saugustin@warburg-research.com	Banks, Financial Services	aplaesier@warburg-research.com		
Jan Bauer	+49 40 309537-155	Malte Schaumann	+49 40 309537-170		
Renewables	jbauer@warburg-research.com	Technology	mschaumann@warburg-research.com		
Jonas Blum Telco, Media, Construction	+49 40 309537-240 jblum@warburg-research.com	Oliver Schwarz Chemicals, Agriculture	+49 40 309537-250 oschwarz@warburg-research.com		
Christian Cohrs Industrials & Transportation	+49 40 309537-175	Simon Stippig Real Estate	+49 40 309537-265		
Dr. Christian Ehmann	ccohrs@warburg-research.com +49 40 309537-167	Cansu Tatar	sstippig@warburg-research.com +49 40 309537-248		
BioTech, Life Science	cehmann@warburg-research.com	Cap. Goods, Engineering	ctatar@warburg-research.com		
Felix Ellmann	+49 40 309537-120	Marc-René Tonn	+49 40 309537-259		
Software, IT	fellmann@warburg-research.com	Automobiles, Car Suppliers	mtonn@warburg-research.com		
Jörg Philipp Frey	+49 40 309537-258	Robert-Jan van der Horst	+49 40 309537-290 rvanderhorst@warburg-research.com		
Retail, Consumer Goods	jfrey@warburg-research.com +49 40 309537-185	Technology  Andreas Wolf	+49 40 309537-140		
Marius Fuhrberg Financial Services	mfuhrberg@warburg-research.com	Software, IT	awolf@warburg-research.com		
Mustafa Hidir	+49 40 309537-230				
Automobiles, Car Suppliers	mhidir@warburg-research.com				
<b>Thor Höfs</b> Software, IT	+49 40 309537-255 thoefs@warburg-research.com				
<b>INSTITUTIONAL EQUITY</b>	SALES				
Marc Niemann	+49 40 3282-2660	Maximilian Martin	+49 69 5050-7413		
Head of Equity Sales, Germany	mniemann@mmwarburg.com	Austria, Poland	mmartin@mmwarburg.com		
Klaus Schilling	+49 69 5050-7400	Christopher Seedorf	+49 40 3282-2695		
Head of Equity Sales, Germany	kschilling@mmwarburg.com	Switzerland	cseedorf@mmwarburg.com		
Tim Beckmann United Kingdom	+49 40 3282-2665 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	Sophie Hauer Roadshow/Marketing	+49 69 5050-7417		
Germany, Luxembourg	aeschweiler@mmwarburg.com	<u> </u>	shauer@mmwarburg.com		
Matthias Fritsch United Kingdom	+49 40 3282-2696 mfritsch@mmwarburg.com	Juliane Niemann Roadshow/Marketing	+49 40 3282-2694 jniemann@mmwarburg.com		
_			j. iioinai ii @iiiii wa bai g. boiii		
SALES TRADING					
Oliver Merckel	+49 40 3282-2634	Marcel Magiera Sales Trading	+49 40 3282-2662		
Head of Sales Trading  Elyaz Dust	omerckel@mmwarburg.com +49 40 3282-2702	Bastian Quast	mmagiera@mmwarburg.com +49 40 3282-2701		
Sales Trading	edust@mmwarburg.com	Sales Trading	bquast@mmwarburg.com		
Michael Ilgenstein	+49 40 3282-2700	Jörg Treptow	+49 40 3282-2658		
Sales Trading	milgenstein@mmwarburg.com	Sales Trading	jtreptow@mmwarburg.com		
MACRO RESEARCH					
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 be fou	nd under:				
Warburg Research	esearch.mmwarburg.com/en/index.html	Refinitiv	www.refinitiv.com		
Bloomberg	RESP MMWA GO	Capital IQ	www.capitalig.com		
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For access please contact:	140.40.2000.0000	Korotin M. Hair	140 40 0000 0700		
Andrea Schaper	+49 40 3282-2632	Kerstin Muthig	+49 40 3282-2703		
Sales Assistance	aschaper@mmwarburg.com	Sales Assistance	kmuthig@mmwarburg.com		