(CDAX, Software/IT, GKS GR)



Buy	
EUR <b>182.00</b>	(EUR 170.00)
Price	EUR 136.50
Upside	33.3 %
Upside	33.3 %

Value Indicators:	EUR	Warburg ESG Risk Score:	2.2	Description:	
DCF:	181.76	ESG Score (MSCI based):	3.0	Leading software company for	
		Balance Sheet Score:	3.5	stationary retailers	
		Market Liquidity Score:	0.0	cauchary retailers	
Market Snapshot:	EUR m	Shareholders:		Key Figures (WRe):	2021e
Market cap:	0.0	Freefloat	41.6 %	Beta:	1.3
No. of shares (m):	0.0	Rainer Gläß	29.2 %	Price / Book:	5.6 x
EV:	20.4	Stephan Kronmüller	23.0 %	Equity Ratio:	49 %
Freefloat MC:	0.0	Wilhelm K.T. Zours	6.2 %	Net Fin. Debt / EBITDA:	0.6 x
Ø Trad. Vol. (30d):	625.82 th			Net Debt / EBITDA:	0.7 x

# Strong Q1

Stated Figure	s Q1/2021	:					
in EUR m	Q1/21	Q1/21e	Q1/20	yoy	2021e	2020	yoy
Sales	30.5	30.1	29.0	4.9%	134.0	117.6	14.0%
EBITDA margin	<b>5.1</b> 16.8%	4.3 14.3%	3.3 11.2%	57.4%	<b>27.5</b> 20.5%	19.7 16.7%	39.5%

#### Comment on Figures:

- GK Software SE (GK) presented the figures for the first quarter of 2021 on May 27.
- These exceeded the forecasts (WRe), particularly in terms of earnings, owing to the acquisition of new customers, strong business with existing customers and especially the continuation of efficiency programme measures, which led to a very attractive cost structure.

The acquisition of two new customers in Germany and Mexico, strong business with existing customers and the continuation of the efficiency programme can be clearly seen in the very good Q1 results. The strength of the first three months of the year is remarkable considering that one of the key earnings drivers for the current year, Deutsche Fiskal (technological leader in fiscalization via the cloud), will only be reflected in earnings from the second quarter onwards and will probably make a significantly positive contribution to annual earnings.

The long-term outlook also remains positive. The company recently confirmed its outlook of achieving sales of EUR 160-175m with 15% EBIT in 2023. This expectation does not include big data solutions that GK Software is developing under the name GK SPOT, which could account for sales of EUR 25-30m by 2023. While our estimates do not explicitly take this revenue stream into account either, we are at the upper end of the company's forecast. If product developments and customer relationships enable a specific view of these technologies, there may be further significant potential here. Also, the margin assumptions for Deutsche Fiskal could turn out to be at the lower end after the Q2 report (26.8.21). Both aspects imply the potential for further upgrades, but remain unchanged for now.

The GK share continues to be rated Buy with a target price of EUR 182 (after EUR 170) following a roll-over and model update.

Changes in E	stimates:					
FY End: 31.12. in EUR m	2021e (old)	+ / -	2022e (old)	+/-	2023e (old)	+/-
Sales	134.0	0.0 %	152.8	0.0 %	174.2	0.0 %
EBITDA	24.1	13.9 %	30.6	5.0 %	37.4	1.4 %
EBIT	15.0	22.3 %	20.2	7.6 %	25.6	2.0 %
DPS	0.00	0.0 %	1.50	0.0 %	1.50	0.0 %

Q2

Q3

#### Comment on Changes:

- Sales forecasts remain unchanged despite the good Q1, as GK completed the sale of the small subsidiary AWEK microdata GmbH (less than 5% of sales).
- Earnings: The strong Q1 result together with the expected results of the subsidiary Deutsche Fiskal from Q2 onwards (WRe EBITDA EUR 4.5m for the remainder of the financial year) forms the basis for a further forecast increase



Rel. Performance	vs CDAX:
1 month:	10.6 %
6 months:	38.9 %
Year to date:	27.3 %
Trailing 12 months:	110.5 %
Company events:	
47 OC 04	A C M

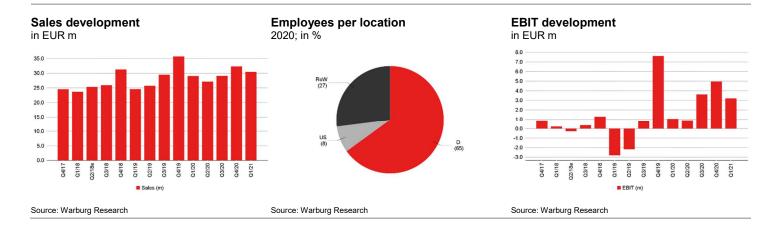
FY End: 31.12.	CAGR	0047	0040	0040	0000	0004-	0000-	0000-
in EUR m	(20-23e)	2017	2018	2019	2020	2021e	2022e	2023e
Sales	14.0 %	90.5	106.2	115.4	117.6	134.0	152.8	174.2
Change Sales yoy		17.0 %	17.4 %	8.8 %	1.8 %	14.0 %	14.0 %	14.0 %
Gross profit margin		90.6 %	92.7 %	94.6 %	92.7 %	92.0 %	92.0 %	92.0 %
EBITDA	24.5 %	8.8	6.8	12.3	19.7	27.5	32.1	38.0
Margin		9.7 %	6.4 %	10.6 %	16.7 %	20.5 %	21.0 %	21.8 %
EBIT	35.4 %	5.0	1.6	3.4	10.5	18.4	21.7	26.1
Margin		5.5 %	1.5 %	3.0 %	9.0 %	13.7 %	14.2 %	15.0 %
Net income	38.9 %	3.9	0.9	-3.1	6.3	11.5	13.8	17.0
EPS	31.9 %	2.05	0.49	-1.55	3.00	4.67	5.62	6.89
EPS adj.	31.9 %	2.05	0.49	-1.55	3.00	4.67	5.62	6.89
DPS	-	0.00	0.00	0.00	0.00	0.00	1.50	1.50
Dividend Yield		n.a.	n.a.	n.a.	n.a.	n.a.	1.1 %	1.1 %
FCFPS		3.70	-9.27	-1.92	7.11	2.49	5.92	7.39
FCF / Market cap		3.9 %	-9.0 %	-2.8 %	10.3 %	1.8 %	4.3 %	5.4 %
EV / Sales		2.0 x	2.1 x	1.5 x	1.5 x	2.7 x	2.2 x	1.9 x
EV / EBITDA		20.9 x	32.3 x	14.1 x	8.7 x	13.0 x	10.6 x	8.6 x
EV / EBIT		36.7 x	138.3 x	50.4 x	16.4 x	19.4 x	15.7 x	12.5 x
P/E		46.0 x	210.4 x	n.a.	23.0 x	29.2 x	24.3 x	19.8 x
P / E adj.		46.0 x	210.4 x	n.a.	23.0 x	29.2 x	24.3 x	19.8 x
FCF Potential Yield		4.5 %	3.4 %	4.6 %	9.8 %	6.4 %	7.7 %	9.5 %
Net Debt		3.7	24.6	34.8	26.5	20.4	5.8	-8.7
ROCE (NOPAT) Guidance:		10.6 %	16.1 %	n.a.	9.5 %	16.7 %	19.2 %	23.3 %
Guiuanice.	1.a.							

+49 40 309537-120

26.08.21

25.11.21



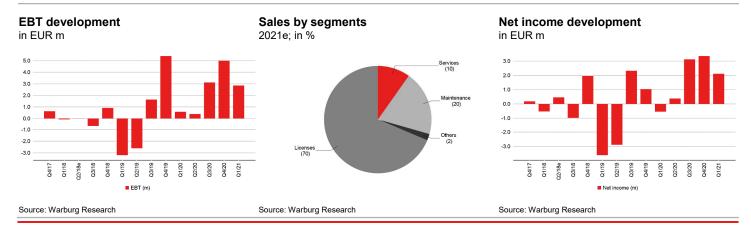


# **Company Background**

- 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 exisiting 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.





DCF model														
	Detaile	d forecas	t period				٦	Γransition	al period					Term. Value
Figures in EUR m	2021e	2022e	2023e	2024e	2025e	2026e	2027e	2028e	2029e	2030e	2031e	2032e	2033e	
Sales	134.0	152.8	174.2	196.8	218.5	238.1	257.2	275.2	291.7	309.2	327.7	344.1	361.3	
Sales change	14.0 %	14.0 %	14.0 %	13.0 %	11.0 %	9.0 %	8.0 %	7.0 %	6.0 %	6.0 %	6.0 %	5.0 %	5.0 %	2.5 %
EBIT	18.4	21.7	26.1	29.5	33.9	38.1	41.1	46.8	49.6	52.6	55.7	58.5	61.4	
EBIT-margin	13.7 %	14.2 %	15.0 %	15.0 %	15.5 %	16.0 %	16.0 %	17.0 %	17.0 %	17.0 %	17.0 %	17.0 %	17.0 %	
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	13.0	15.4	18.5	21.0	24.0	27.1	29.2	33.2	35.2	37.3	39.6	41.5	43.6	
Depreciation	9.1	10.4	11.8	13.8	10.9	9.5	7.7	8.3	8.8	9.3	9.8	10.3	10.8	
in % of Sales	6.8 %	6.8 %	6.8 %	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	-2.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
Change in Liquidity from														
- Working Capital	9.6	4.3	4.8	5.1	4.9	4.4	4.3	4.1	3.7	3.9	4.2	3.7	3.9	
- Capex	5.0	5.5	6.0	6.9	8.7	7.1	7.7	8.3	8.8	9.3	9.8	10.3	10.8	
Capex in % of Sales	3.7 %	3.6 %	3.4 %	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)	7.5	16.0	19.6	20.7	21.4	25.1	25.0	29.2	31.5	33.4	35.4	37.9	39.8	44
PV of FCF	7.2	14.0	15.8	15.4	14.6	15.8	14.5	15.6	15.5	15.1	14.7	14.5	14.0	252
share of PVs		8.44 %						34.1	1 %					57.45 %

Model parameter				Valuation (m)			
Derivation of WACC:		Derivation of Beta:		Present values 2033e	187		
				Terminal Value	252		
Debt ratio	0.00 %	Financial Strength	1.30	Financial liabilities	33		
Cost of debt (after tax)	4.2 %	Liquidity (share)	1.30	Pension liabilities	3		
Market return	7.00 %	Cyclicality	1.30	Hybrid capital	0		
Risk free rate	1.50 %	Transparency	1.30	Minority interest	1		
		Others	1.30	Market val. of investments	0		
				Liquidity	45	No. of shares (m)	2.5
WACC	8.65 %	Beta	1.30	Equity Value	447	Value per share (EUR)	181.76

Jens	itivity ve	ilue per on	are (LUIX	<u>'</u>													
		Terminal (	Growth								Delta EBIT	-margin					
Beta	WACC	1.75 %	2.00 %	2.25 %	2.50 %	2.75 %	3.00 %	3.25 %	Beta \	WACC	-1.5 pp	-1.0 pp	-0.5 pp	+0.0 pp	+0.5 pp	+1.0 pp	+1.5 pp
1.48	9.7 %	145.84	148.16	150.64	153.30	156.14	159.20	162.50	1.48	9.7 %	138.83	143.65	148.47	153.30	158.12	162.94	167.76
1.39	9.2 %	157.36	160.17	163.18	166.42	169.91	173.69	177.79	1.39	9.2 %	150.76	155.98	161.20	166.42	171.64	176.86	182.08
1.35	8.9 %	163.75	166.85	170.19	173.78	177.67	181.89	186.48	1.35	8.9 %	157.45	162.89	168.34	173.78	179.23	184.67	190.12
1.30	8.7 %	170.63	174.06	177.76	181.76	186.11	190.83	196.00	1.30	8.7 %	164.70	170.39	176.08	181.76	187.45	193.14	198.83
1.25	8.4 %	178.05	181.86	185.98	190.45	195.31	200.63	206.46	1.25	8.4 %	172.59	178.54	184.50	190.45	196.40	202.35	208.30
1.21	8.2 %	186.07	190.31	194.92	199.92	205.40	211.40	218.01	1.21	8.2 %	181.21	187.45	193.68	199.92	206.16	212.40	218.64
1.12	7.7 %	204.25	209.56	215.36	221.72	228.74	236.50	245.15	1.12	7.7 %	201.03	207.93	214.82	221.72	228.62	235.52	242.42

- 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							
	2017	2018	2019	2020	2021e	2022e	2023e
Price / Book	4.6 x	5.0 x	3.3 x	3.0 x	5.6 x	4.6 x	3.9 x
Book value per share ex intangibles	7.02	4.82	6.71	10.68	15.82	23.78	31.98
EV / Sales	2.0 x	2.1 x	1.5 x	1.5 x	2.7 x	2.2 x	1.9 x
EV / EBITDA	20.9 x	32.3 x	14.1 x	8.7 x	13.0 x	10.6 x	8.6 x
EV / EBIT	36.7 x	138.3 x	50.4 x	16.4 x	19.4 x	15.7 x	12.5 x
EV / EBIT adj.*	36.7 x	138.3 x	50.4 x	16.4 x	19.4 x	15.7 x	12.5 x
P/FCF	25.5 x	n.a.	n.a.	9.7 x	54.9 x	23.0 x	18.5 x
P/E	46.0 x	210.4 x	n.a.	23.0 x	29.2 x	24.3 x	19.8 x
P / E adj.*	46.0 x	210.4 x	n.a.	23.0 x	29.2 x	24.3 x	19.8 x
Dividend Yield	n.a.	n.a.	n.a.	n.a.	n.a.	1.1 %	1.1 %
FCF Potential Yield (on market EV)	4.5 %	3.4 %	4.6 %	9.8 %	6.4 %	7.7 %	9.5 %
*Adjustments made for: -							



Consolidated profit & loss							
In EUR m	2017	2018	2019	2020	2021e	2022e	2023
Sales	90.5	106.2	115.4	117.6	134.0	152.8	174.2
Change Sales yoy	17.0 %	17.4 %	8.8 %	1.8 %	14.0 %	14.0 %	14.0 %
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	0.0	8.0	0.0	0.0	0.0
Total Sales	90.5	106.2	115.4	118.4	134.0	152.8	174.2
Material expenses	8.5	7.7	6.2	9.4	10.7	12.2	13.9
Gross profit	81.9	98.4	109.2	109.0	123.3	140.6	160.2
Gross profit margin	90.6 %	92.7 %	94.6 %	92.7 %	92.0 %	92.0 %	92.0 %
Personnel expenses	57.8	68.8	78.1	75.6	83.1	94.7	106.6
Other operating income	5.2	3.6	3.8	4.3	5.4	6.1	7.0
Other operating expenses	20.5	26.4	22.7	17.9	18.1	19.9	22.6
Unfrequent items	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EBITDA	8.8	6.8	12.3	19.7	27.5	32.1	38.0
Margin	9.7 %	6.4 %	10.6 %	16.7 %	20.5 %	21.0 %	21.8 %
Depreciation of fixed assets	1.4	2.7	2.0	2.0	2.4	2.8	3.1
EBITA	7.4	4.1	10.3	17.7	25.1	29.3	34.8
Amortisation of intangible assets	2.2	2.5	6.8	7.2	6.7	7.6	8.7
Goodwill amortisation	0.2	0.0	0.0	0.0	0.0	0.0	0.0
EBIT	5.0	1.6	3.4	10.5	18.4	21.7	26.1
Margin	5.5 %	1.5 %	3.0 %	9.0 %	13.7 %	14.2 %	15.0 %
EBIT adj.	5.0	1.6	3.4	10.5	18.4	21.7	26.1
Interest income	0.1	0.1	0.1	0.2	0.0	0.0	0.0
Interest expenses	0.8	1.6	2.3	1.6	2.0	2.0	2.0
Other financial income (loss)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EBT	4.3	0.2	1.2	9.1	16.4	19.7	24.1
Margin	4.8 %	0.2 %	1.1 %	7.7 %	12.2 %	12.9 %	13.9 %
Total taxes	0.5	-0.8	4.4	2.8	4.7	5.7	7.0
Net income from continuing operations	3.9	0.9	-3.1	6.3	11.6	14.0	17.1
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	3.9	0.9	-3.1	6.3	11.6	14.0	17.1
Minority interest	0.0	0.0	0.0	-0.1	0.1	0.2	0.2
Net income	3.9	0.9	-3.1	6.3	11.5	13.8	17.0
Margin	4.3 %	0.9 %	-2.7 %	5.4 %	8.6 %	9.1 %	9.7 %
Number of shares, average	1.9	1.9	2.0	2.1	2.5	2.5	2.5
EPS	2.05	0.49	-1.55	3.00	4.67	5.62	6.89
EPS adj.	2.05	0.49	-1.55	3.00	4.67	5.62	6.89
*Adjustments made for:							

Guidance: n.a.

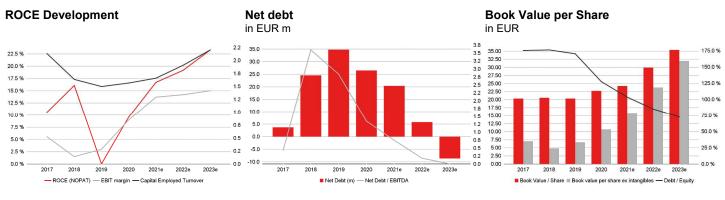
Financial Ratios							
	2017	2018	2019	2020	2021e	2022e	2023e
Total Operating Costs / Sales	90.3 %	93.6 %	89.4 %	84.0 %	79.5 %	79.0 %	78.2 %
Operating Leverage	1.6 x	-3.9 x	13.1 x	113.2 x	5.3 x	1.3 x	1.5 x
EBITDA / Interest expenses	11.2 x	4.4 x	5.4 x	12.0 x	13.7 x	16.0 x	19.0 x
Tax rate (EBT)	10.5 %	-439.8 %	354.6 %	31.1 %	29.0 %	29.0 %	29.0 %
Dividend Payout Ratio	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	26.4 %	21.5 %
Sales per Employee	201,806	232,188	247,572	247,158	276,236	308,734	345,056





Consolidated balance sheet							
In EUR m	2017	2018	2019	2020	2021e	2022e	2023e
Assets							
Goodwill and other intangible assets	25.4	30.0	27.6	25.4	20.7	15.1	8.4
thereof other intangible assets	21.4	12.2	22.2	25.4	20.7	15.1	8.4
thereof Goodwill	4.0	17.9	5.4	0.0	0.0	0.0	0.0
Property, plant and equipment	14.2	22.7	33.0	31.1	31.7	32.4	33.3
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	39.6	52.8	60.7	56.6	52.4	47.5	41.7
Inventories	1.0	0.5	0.3	0.2	1.3	1.5	1.7
Accounts receivable	17.7	26.0	24.0	24.0	33.0	37.7	42.9
Liquid assets	30.5	11.8	8.1	9.4	15.5	30.1	44.6
Other short-term assets	17.8	20.0	21.2	20.6	20.6	20.6	20.6
Current assets	67.0	58.4	53.5	54.2	70.4	89.9	109.8
Total Assets	106.6	111.2	114.2	110.7	122.9	137.4	151.5
Liabilities and shareholders' equity							
Subscribed capital	1.9	1.9	2.0	2.1	2.1	2.1	2.1
Capital reserve	20.5	21.4	27.3	28.7	28.7	28.7	28.7
Retained earnings	0.0	0.0	0.0	0.0	11.5	25.3	38.6
Other equity components	16.3	15.8	11.8	17.2	17.4	17.5	17.7
Shareholders' equity	38.7	39.2	41.2	47.9	59.6	73.6	87.0
Minority interest	0.0	1.1	1.1	0.7	0.7	0.7	0.7
Total equity	38.7	40.3	42.3	48.7	60.4	74.3	87.8
Provisions	3.7	3.1	4.2	3.5	3.5	3.5	3.5
thereof provisions for pensions and similar obligations	1.9	1.6	2.8	2.7	2.7	2.7	2.7
Financial liabilities (total)	32.3	34.8	40.1	33.2	33.2	33.2	33.2
Short-term financial liabilities	10.3	12.3	13.9	7.8	7.8	7.8	7.8
Accounts payable	1.8	2.4	2.5	3.6	4.1	4.7	5.3
Other liabilities	30.0	30.7	25.2	21.7	21.7	21.7	21.7
Liabilities	67.9	70.9	71.9	62.0	62.5	63.1	63.7
Total liabilities and shareholders' equity	106.6	111.2	114.2	110.7	122.9	137.4	151.5

Financial Ratios							
	2017	2018	2019	2020	2021e	2022e	2023e
Efficiency of Capital Employment							
Operating Assets Turnover	3.0 x	2.3 x	2.1 x	2.3 x	2.2 x	2.3 x	2.4 x
Capital Employed Turnover	2.1 x	1.6 x	1.5 x	1.6 x	1.7 x	1.9 x	2.2 x
ROA	9.8 %	1.8 %	-5.2 %	11.2 %	21.9 %	29.1 %	40.7 %
Return on Capital							
ROCE (NOPAT)	10.6 %	16.1 %	n.a.	9.5 %	16.7 %	19.2 %	23.3 %
ROE	11.1 %	2.4 %	-7.8 %	14.2 %	21.3 %	20.8 %	21.1 %
Adj. ROE	11.1 %	2.4 %	-7.8 %	14.2 %	21.3 %	20.8 %	21.1 %
Balance sheet quality							
Net Debt	3.7	24.6	34.8	26.5	20.4	5.8	-8.7
Net Financial Debt	1.8	23.0	32.0	23.8	17.7	3.1	-11.4
Net Gearing	9.6 %	61.1 %	82.3 %	54.5 %	33.8 %	7.8 %	-9.9 %
Net Fin. Debt / EBITDA	21.0 %	337.0 %	261.2 %	120.8 %	64.3 %	9.6 %	n.a.
Book Value / Share	20.3	20.6	20.4	22.7	24.2	29.9	35.4
Book value per share ex intangibles	7.0	4.8	6.7	10.7	15.8	23.8	32.0

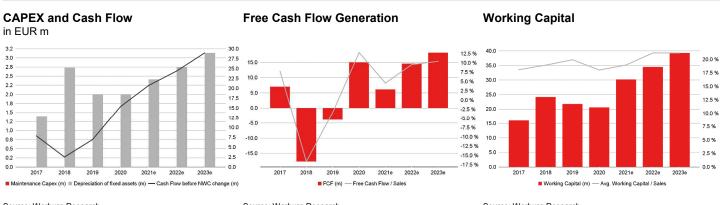


Source: Warburg Research Source: Warburg Research Source: Warburg Research



Consolidated cash flow statement							
In EUR m	2017	2018	2019	2020	2021e	2022e	2023e
Net income	3.9	0.9	-3.1	6.3	11.6	14.0	17.1
Depreciation of fixed assets	1.4	2.7	2.0	2.0	2.4	2.8	3.1
Amortisation of goodwill	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Amortisation of intangible assets	2.2	2.5	6.8	7.2	6.7	7.6	8.7
Increase/decrease in long-term provisions	0.2	-0.3	1.2	0.0	0.0	0.0	0.0
Other non-cash income and expenses	0.0	-3.3	0.0	0.0	0.0	0.0	0.0
Cash Flow before NWC change	7.9	2.5	6.9	15.4	20.7	24.4	29.0
Increase / decrease in inventory	0.2	0.5	0.2	0.1	-1.1	-0.2	-0.2
Increase / decrease in accounts receivable	0.3	-8.3	2.0	0.0	-9.0	-4.7	-5.2
Increase / decrease in accounts payable	0.2	-0.3	0.1	1.1	0.5	0.6	0.6
Increase / decrease in other working capital positions	6.6	0.0	-9.6	1.1	0.0	0.0	0.0
Increase / decrease in working capital (total)	7.3	-8.2	-7.1	2.3	<b>-</b> 9.6	-4.3	-4.8
Net cash provided by operating activities [1]	15.2	-5.7	-0.2	17.7	11.1	20.1	24.2
Investments in intangible assets	-0.3	-0.3	-0.5	-0.8	-2.0	-2.0	-2.0
Investments in property, plant and equipment	-7.9	-11.7	-3.1	-1.9	-3.0	-3.5	-4.0
Payments for acquisitions	0.0	-3.9	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	-1.1	0.2	0.0	-0.3	0.0	0.0	0.0
Net cash provided by investing activities [2]	-9.3	-15.7	-3.6	-3.0	-5.0	-5.5	-6.0
Change in financial liabilities	17.5	-0.9	5.3	-6.9	0.0	0.0	0.0
Dividends paid	0.0	0.0	0.0	0.0	0.0	0.0	-3.7
Purchase of own shares	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Capital measures	0.0	0.6	0.0	0.0	0.0	0.0	0.0
Other	1.6	0.0	-5.2	-4.4	0.0	0.0	0.0
Net cash provided by financing activities [3]	19.1	-0.3	0.1	-11.3	0.0	0.0	-3.7
Change in liquid funds [1]+[2]+[3]	25.1	-21.7	-3.8	3.4	6.1	14.6	14.5
Effects of exchange-rate changes on cash	0.0	-0.1	0.0	0.0	0.0	0.0	0.0
Cash and cash equivalent at end of period	27.9	8.7	2.3	5.7	15.5	30.1	44.6

Financial Ratios							
	2017	2018	2019	2020	2021e	2022e	2023e
Cash Flow							
FCF	7.0	-17.6	-3.9	15.0	6.1	14.6	18.2
Free Cash Flow / Sales	7.8 %	-16.6 %	-3.4 %	12.8 %	4.6 %	9.5 %	10.4 %
Free Cash Flow Potential	8.3	7.6	7.9	16.9	22.7	26.4	31.0
Free Cash Flow / Net Profit	180.8 %	-1907.9 %	124.3 %	237.2 %	53.3 %	105.4 %	107.2 %
Interest Received / Avg. Cash	0.7 %	0.7 %	0.7 %	2.2 %	0.0 %	0.0 %	0.0 %
Interest Paid / Avg. Debt	3.3 %	4.7 %	6.1 %	4.5 %	6.0 %	6.0 %	6.0 %
Management of Funds							
Investment ratio	9.0 %	11.3 %	3.2 %	2.3 %	3.7 %	3.6 %	3.4 %
Maint. Capex / Sales	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %
Capex / Dep	215.8 %	228.7 %	41.3 %	29.3 %	54.9 %	52.9 %	50.7 %
Avg. Working Capital / Sales	18.1 %	18.9 %	19.9 %	18.0 %	18.9 %	21.2 %	21.2 %
Trade Debtors / Trade Creditors	964.6 %	1100.6 %	965.5 %	667.8 %	804.9 %	802.1 %	809.4 %
Inventory Turnover	8.6 x	14.8 x	21.9 x	47.2 x	8.2 x	8.1 x	8.2 x
Receivables collection period (days)	71	90	76	74	90	90	90
Payables payment period (days)	79	112	146	139	140	140	139
Cash conversion cycle (Days)	-1	2	-53	-57	-5	-5	-4



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



#### **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. 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 http://www.mmwarburg.de/disclaimer/disclaimer.htm#Valuation). 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).

8



#### **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.
- 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
- 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.
- 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.
- 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.

Company	Disclosure	Link to the historical price targets and rating changes (last 12 months)			
GK Software	5	http://www.mmwarburg.com/disclaimer/disclaimer_en/DE0007571424.htm			

Total



100

# **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 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	151	70				
Hold	55	26				
Sell	5	2				
Rating suspended	4	2				

215

### 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	43	88
Hold	3	6
Sell	0	0
Rating suspended	3	6
Total	49	100

## PRICE AND RATING HISTORY GK SOFTWARE AS OF 28.05.2021



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	Philipp Kaiser	+49 40 309537-260
Head of Research	mheider@warburg-research.com	Real Estate	pkaiser@warburg-research.com
Henner Rüschmeier Head of Research	+49 40 309537-270 hrueschmeier@warburg-research.com	Thilo Kleibauer Retail, Consumer Goods	+49 40 309537-257 tkleibauer@warburg-research.com
Stefan Augustin	+49 40 309537-168	Eggert Kuls	+49 40 309537-256
Cap. Goods, Engineering	saugustin@warburg-research.com	Engineering	ekuls@warburg-research.com
Jan Bauer Renewables	+49 40 309537-155 jbauer@warburg-research.com	Andreas Pläsier Banks, Financial Services	+49 40 309537-246 aplaesier@warburg-research.com
Jonas Blum Telco, Media, Construction	+49 40 309537-240 jblum@warburg-research.com	Malte Schaumann Technology	+49 40 309537-170 mschaumann@warburg-research.com
Christian Cohrs	+49 40 309537-175	Oliver Schwarz	+49 40 309537-250
Industrials & Transportation  Dr. Christian Ehmann	ccohrs@warburg-research.com +49 40 309537-167	Chemicals, Agriculture Simon Stippig	oschwarz@warburg-research.com +49 40 309537-265
BioTech, Life Science	cehmann@warburg-research.com	Real Estate	sstippig@warburg-research.com
Felix Ellmann Software, IT	+49 40 309537-120 fellmann@warburg-research.com	Cansu Tatar Cap. Goods, Engineering	+49 40 309537-248 ctatar@warburg-research.com
Jörg Philipp Frey	+49 40 309537-258	Marc-René Tonn	+49 40 309537-259
Retail, Consumer Goods	jfrey@warburg-research.com	Automobiles, Car Suppliers	mtonn@warburg-research.com
Marius Fuhrberg Financial Services	+49 40 309537-185 mfuhrberg@warburg-research.com	Robert-Jan van der Horst Technology	+49 40 309537-290 rvanderhorst@warburg-research.com
Mustafa Hidir	+49 40 309537-230	Andreas Wolf	+49 40 309537-140
Automobiles, Car Suppliers	mhidir@warburg-research.com	Software, IT	awolf@warburg-research.com
Ulrich Huwald Health Care, Pharma	+49 40 309537-255 uhuwald@warburg-research.com		
INSTITUTIONAL EQU			
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 40 3282-2664	Christopher Seedorf	+49 69 5050-7414
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  Alexander Eschweiler	jbuchmueller@mmwarburg.com +49 40 3282-2669	Sophie Hauer	+49 69 5050-7417
Germany, Luxembourg	aeschweiler@mmwarburg.com	Roadshow/Marketing	shauer@mmwarburg.com
Matthias Fritsch	+49 40 3282-2696	Juliane Niemann	+49 40 3282-2694
United Kingdom	mfritsch@mmwarburg.com	Roadshow/Marketing	jniemann@mmwarburg.com
SALES TRADING			
Oliver Merckel	+49 40 3282-2634	Marcel Magiera	+49 40 3282-2662
Head of Sales Trading	omerckel@mmwarburg.com	Sales Trading	mmagiera@mmwarburg.com
Elyaz Dust Sales Trading	+49 40 3282-2702 edust@mmwarburg.com	Bastian Quast Sales Trading	+49 40 3282-2701 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	+49 40 3282-2572	Dr. Christian Jasperneite	+49 40 3282-2439
Macro Research	cklude@mmwarburg.com	Investment Strategy	cjasperneite@mmwarburg.com
Our research can be t			
Warburg Research	research.mmwarburg.com/en/index.html	Thomson Reuters	www.thomsonreuters.com
Bloomberg	RESP MMWA GO	Capital IQ	www.capitaliq.com
FactSet	www.factset.com		
For access please conta	act:		
Andrea Schaper	+49 40 3282-2632	Kerstin Muthig	+49 40 3282-2703
Sales Assistance	aschaper@mmwarburg.com	Sales Assistance	kmuthig@mmwarburg.com