Still strong re-rating potential

In Q3, KTN's IoT activities revealed good momentum, which we expect to continue in Q4, not least because of the expected reduction of overdue shipments. Our DCF still indicates a price target of EUR 28, which translates into an upside of close to 100%. Also, alternative valuation metrics point at a substantial re-rating potential of the share. Our recommendation remains "buy".

The IoT business remains in good shape in Q3

It's difficult to draw definitive conclusions from Kontron's 9M numbers as KTN now reports the IT Service business, which is earmarked for sale, as discontinued operations. Notwithstanding, underlying momentum was good in Q3 as organic growth was at 11.1% and order intake at EUR 320m, which translates into a book-to-bill ratio of 1.2x. Especially the future core unit of KTN - IoT solutions Europe – remains in good shape and increased revenues by 17%. Segment margins were slightly up from 8.7% to 8.8%.

We expect a strong finish in 2022

We expect the company to make up for EUR 34m of EUR 124m in overdue shipments after Q3 2022, in line with KTN's respective announcements and therefore expect above average organic growth of 18% in Q4 and 14% yoy for the full fiscal year 2022. The negative portfolio effect in Q4 from winding down the Russian activities will be counterbalanced by positive currency effects resulting from the weak EUR, in our view.

The TP remains EUR 28

Our DCF still indicates a price target of EUR 28, which translates into an upside of close to 100%. This is confirmed by a SOTP approach, that indicates an even higher price target, as IoT peers trade on high multiples even in the current depressed market environment. Our "buy" case is also supported by the still significant discount of the share price to (1) past levels and (2) the TecDAX.

EURm	2020	2021	2022e	2023e	2024e
Revenues	1,255	1,342	1,527	1,768	1,974
EBITDA	130	126	153	177	207
EBIT	68	63	93	116	133
EPS	0.85	0.75	1.05	1.34	1.52
EPS adj	0.85	0.75	1.05	1.34	1.52
DPS	0.30	0.35	0.49	0.62	0.70
EV/EBITDA	9.5	7.5	6.2	5.6	4.8
EV/EBIT	18.0	15.2	10.1	8.5	7.5
P/E adj	22.6	19.5	14.2	11.1	9.9
P/B	3.09	2.23	2.05	1.84	1.66
ROE (%)	14.3	11.7	15.2	17.4	17.6
Div yield (%)	1.6	2.4	3.3	4.2	4.7
Net debt	(20)	14	(17)	27	34

Source: Pareto Securities

Target price (EUR) Share price (EUR)	28.0 15.0	A	BUY
2 p (22.19		-	HOLD
		\blacksquare	SELL

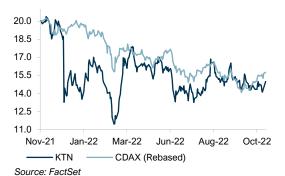
Forecast changes

%	2022e	2023e	2024e
Revenues	2	2	1
EBITDA	2	2	1
EBIT adj	3	2	2
EPS reported	3	2	2
EPS adj	3	2	2

Source: Pareto Securities

Ticker	KTN.DE, KTN GY
Sector	Hardware & Equipment
Shares fully diluted (m)	63.6
Market cap (EURm)	952
Net debt (EURm)	-17
Minority interests (EURm)	5
Enterprise value 22e (EURm)	940
Free float (%)	0

Performance



Pareto Securities AS has been paid by the issuer to produce this research report. This material is considered by Pareto Securities to qualify as an acceptable minor non-monetary benefit according to the EU MIFID 2 directive.

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This report is generated for Nicole Nagy

Wrap up 9M results

Overview 9M

Kontron AG (EURm)	9M 2021	Actual 9M 2022	yoy (%)
Revenues	689	755	10
IT Services	173	161	-7
IoT Solutions Europe	538	628	17
IoT Solutions America	81	100	23
Internal revenues	-104	-134	29
Gross profit	255.8 37.2%	272.9	7
margin		36.1%	-101 bps
EBITDA	63.0	69.4	10
margin	9.2%	9.2%	4 bps
IT Services	15.1	13.3	-12
IoT Solutions Europe	46.6	55.8	20
IoT Solutions America	1.3	0.3	-77
Net Income	30.7	32.7	7
margin	4.5%	4.3%	-13 bps
EPS	0.48	0.51	7

Source: KTN, Pareto Securities

It's a bit difficult to draw definitive conclusions from Kontron's 9M numbers as KTN now reports the IT Service business, which is earmarked for sale, as discontinued operations. Consequently, a comparison with past numbers is only possible to a limited extend. Notwithstanding, our main insights are as follows:

- Combined revenues from continued and discontinued operations were EUR 1,021m after nine months, which points at total Q3 revenues of EUR 359m. This is a little bit short of our expectation of EUR 367m. We assume that the main reason for that is that overdue orders were only slightly reduced from EUR 127m to EUR 124 in the quarter. We have expected a bit more tailwind from a higher reduction. Moreover, Kontron expects overdue orders to be reduced to only EUR 90m at year end (the target stood at EUR 50m after H1.)
- Notwithstanding, underlying momentum was good in Q3 as organic growth was at 11.1% and order intake at EUR 320m, which translates into a book-to-bill ratio of 1.2x. Currencies contributed another EUR 10m.
- The second KPI that can be reasonably compared to last year's numbers is net income, which was up 7%. Considering divestment-related expenses of EUR 2.4m, adjusted net income was EUR 35.1m, up 14% yoy.
- The core unit of the future KTN IoT solutions Europe remains in good shape and increased revenues by 17%. Segment margins were slightly up from 8.7% to 8.8%.
- In contrast, IoT Solutions America remained in crisis mode and contributed EBITDA of
- IT Service revenues included in continuing operations was slightly down yoy. In contrast, revenues of the sold IT Service units were up from EUR 224m to 266m in the first nine months of the year (+19%).
- In Q3, KTN incurred EUR 1.5m in losses from exiting Russia. EUR 11.2m of revenues were lost because of KTN's exit from Russia.
- The antitrust approval and thus the closing of the sale of these IT Service activities is expected until the end of the year.
- KTN re-iterated its guidance for the full year and expects revenues of EUR 1.1bn (EUR 1.5bn) and EBITDA of EUR 111m (EUR 150m) from continued (continued + discontinued) operations. Kontron continues to plan an increase in revenue to EUR 2bn with a significantly increased EBITDA margin of 13% by 2025.
- 10. Operating CF was burdened by EUR 74m outflow for increased inventories.
- 11. Given that KTN has classified net assets of 110m as held for sale, we basically expect a book gain of EUR 290m from the closing of project "Focus" for a price tag of around EUR 400m. But this topic seems to be more complex, and the final number may differ.
- 12. The tax rate should remain the same in the coming years.
- 13. Some lawyers are working already on the "gamechanger" transactions, for which KTN has earmarked around EUR 250m for both 2023 and 2024. It seems that mainly listed companies are in focus at the moment. KTN could also imagine buying "strategic" stakes in the first step.
- 14. KTN expects a contribution of EUR 4-6m EBITDA from special effects in Q4 which should allow the company to reach their full year targets.

Estimates update

As 1) the closing of the disposal of the IT Service business is still pending and 2) there is only basic financial information available on the new set-up at present (especially regarding the historic financials of the newly created segments and the impact of the transaction on the balance sheet, esp. the equity position), our company model is still based on the current structure of the company, i.e., we do not yet take the intended sale of the IT Service business into account and consequently neither the reinvestment of the respective proceeds into the IoT business. Notwithstanding, we have are confident that the deal will eventually be approved by the antitrust authorities and closed afterwards.

We expect the company to make up for EUR 34m of EUR 124m overdue shipments after Q3 2022, in line with KTN's respective announcements and therefore expect above average organic growth of 18% in Q4 and 14% yoy for the full fiscal year 2022. The negative portfolio effect in Q4 from winding down the Russian activities will be counterbalanced by positive currency effects resulting from the weak EUR, in our view.

We don't expect meaningful contributions from acquisitions in the remainder of 2022 anymore. In 2023 and 2024, we still expect KTN to acquire revenues as high as EUR 150m and EUR 100m, respectively, on top of organic growth of 6% p.a. This is an acquisition volume we would expect even in the very unlikely scenario of a cancellation of project "Focus". Due to the expected dilutive effect of these potential acquisitions, we think the upside potential for the margin is limited and we expect the EBITDA margin to approach "only" 11% in the foreseeable future.

In total, we arrive at the P&L depicted below. We are fully in-line with the company guidance (and Factset consensus) for 2022 of EUR 1,500m (+11% yoy) at a 10% EBITDA margin (excluding acquisitions).

P&L

Profit & Loss	2015	2016	2017	2018	2019	2020	2021	2022e	2023e	2024e	2025e
Revenue	468	504	882	991	1,123	1,255	1,342	1,527	1,768	1,974	2,093
% yoy	21.4%	7.6%	75.1%	12.3%	13.3%	11.7%	6.9%	13.8%	15.8%	11.7%	6.0%
EBITDA	28	34	68	91	112	130	126	153	177	207	230
% of sales	6.1%	6.8%	7.7%	9.1%	9.9%	10.4%	9.4%	10.0%	10.0%	10.5%	11.0%
EBIT	21	24	42	62	62	69	63	101	116	133	148
% of sales	4.4%	4.8%	4.7%	6.2%	5.5%	5.5%	4.7%	6.6%	6.6%	6.7%	7.1%
Pretax Profit	18	20	35	56	54	61	54	90	105	121	137
% of sales	3.9%	4.0%	4.0%	5.7%	4.8%	4.8%	4.0%	5.9%	5.9%	6.1%	6.5%
Net Profit	16	15	23	45	49	56	48	74	86	96	109
% of sales	3.4%	2.9%	2.6%	4.5%	4.4%	4.4%	3.6%	4.9%	4.8%	4.9%	5.2%
EPS	0.36	0.33	0.43	0.70	0.74	0.85	0.75	1.16	1.35	1.52	1.71
% yoy	14.8%	-8.9%	30.8%	61.3%	6.4%	14.8%	-11.9%	54.6%	15.5%	12.7%	12.6%
DPS	0.08	0.10	0.13	0.16	0.00	0.30	0.35	0.54	0.63	0.70	0.79
Payout ratio	22%	30%	30%	23%	0%	35%	46%	46%	46%	46%	46%

Source: KTN, Pareto Securities

Please find below the resulting (minor) changes to our estimates.

Changes to our estimates

		2022e			:	2023e		2		
Kontron AG		Old	New	Delta	Old	New	Delta	Old	New	Delta
Revenues	EURm	1,502	1,527	2%	1,742	1,768	2%	1,946	1,974	1%
EBITDA	"	150	153	2%	174	177	2%	204	207	2%
EBIT	"	90	93	3%	114	116	2%	130	133	2%
Net result	"	65	67	3%	83	86	3%	94	96	3%
EPS	EUR	1.02	1.05	3%	1.31	1.34	3%	1.48	1.52	2%

Source: KTN, Pareto Securities

Valuation update

DCF

EUR m	2022e	2023e	Phase I 2024e	2025e	2026e	2027e	2028e	Phase II 2029e	2030e	2031e	Phase I
Revenues	1,527	1,768	1,974	2,093	2,218	2,340	2,457	2,568	2,671	2,764	
growth rate	14%	16%	12%	6%	6%	6%	5%	5%	4%	4%	
EBITDA	153	177	207	230	244	257	270	282	294	304	
EBITDA margin	10.0%	10.0%	10.5%	11.0%	11.0%	11.0%	11.0%	11.0%	11.0%	11.0%	
Depr. & Amort. (FA)	45	43	55	62		77	76	74	71	66	
% of sales	2.9%	2.4%	2.8%	3.0%	2.7%	3.3%	3.1%	2.9%	2.6%	2.4%	
Depr. & Amort. (RoU)	15	17	19	21	22	23	24	25	26	27	
% of sales	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	
EBIT	101	116	133	148	163	157	170	183	197	211	
EBIT margin	6.6%	6.6%	6.7%	7.1%	7.3%	6.7%	6.9%	7.1%	7.4%	7.6%	
Tax	(17)	(21)	(27)	(30)	(33)	(31)	(34)	(37)	(39)	(42)	
Tax rate	17%	18%	20%	20%	20%	20%	20%	20%	20%	20%	
Capex	(38)	(44)	(49)	(52)	(55)	(59)	(61)	(64)	(67)	(69)	
% of sales	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	
Acquisitions (ex NWC)	0	(72)	(48)	0	0	0	0	0	0	0	
% of sales	0.0%	4.0%	2.4%	0.0%	0.0%	1.3%	1.9%	2.2%	2.3%	8.9%	
Change in WC & P	(21)	(27)	(23)	(13)	(14)	(15)	(16)	(16)	(17)	(17)	
% of sales	1.4%	1.5%	1.2%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	
Free Cash Flow	70	(4)	41	115	120	130	135	140	144	148	2,69
growth rate	nm	nm	nm	nm	5%	8%	4%	4%	3%	3%	3%
Present Value FCF	69	(4)	35	88	85	85	81	77	73	69	1,26
PV Phase I		273			Risk free	rate	3.5%		Targ. egu	ity ratio	949
PV Phase II		386			Premium		5.0%		Beta	ity ratio	1.
PV Phase III		1,262			Premium		2.5%		WACC		8.79
Enterprise value		1,922			Sensitivity	. 1		Grow	th in phas	6 III	
- Net debt (cash)		1,922			Sensitivity	'	2.0%	2.5%	3.0%	3.5%	4.0%
- Pension provisions		10		į		7.8%	29.7	31.8	34.2	37.3	41.2
- Minorities & Peripheral	e	5				8.2%	27.3	29.1	31.1	33.6	36.7
- Leasing liabilities	3	62			WACC	8.7%	29.7	26.7	28.4	30.5	32.9
- Paid-out dividends for la	act EV	22			WACC	9.1%	23.5	24.7	26.2	27.8	29.9
+/- Other EV items	astri	0				9.1%	21.9	23.0	24.2	25.6	27.3
+/- Other EV Items		U				9.5%	21.9	23.0	24.2	25.6	21.3
Equity value		1,809									
Number of shares (m)		63.6									
Value per share (€)		28.0									
Current Price (€)		14.5									
Upside		94%									
		J 1 /0									

Our DCF still indicates a price target of EUR 28, which translates into an upside of close to 100%. As the closing of project "Focus" is very likely, we double check our result by a SOTP approach, thereby considering the price tag of EUR 400m for project "Focus" as expected by KTN (see next page). The IoT business and the remaining IT Service activities are valued by using the average multiple of relevant peers. For the IT Service business, we employ a small discount to the average market multiple, as we believe the higher quality part of the segment has been bought by Vinci, indicated by a margin level above the segment average.

The EBITDA numbers for the segments have been estimated, as KTN has not guided how much EBITDA they expect from the outgoing and from the remaining IT Service activities in 2022.

As a result, we arrive at re-assuring EUR 33 per share, i.e. a clearly above our DCF-derived fair value, even in the current still depressed market situation. The recommendation thus remains "buy".

In 2023, a strong focus of investors will be on the announced "gamechanger" IoT deal(s), we believe, financed by the proceeds of the sale of "Focus".

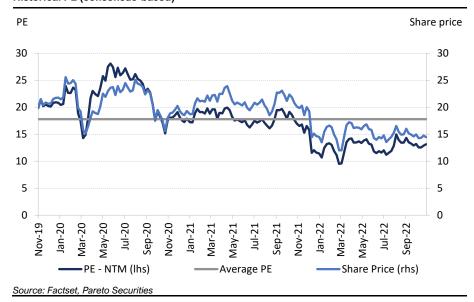
Significant re-rating potential

Division	EBITDA 2022e (mEUR)	Peers	EV/ EBITDA x	EV (m EUR)
IT Service / Project Focus	~37	Target multiple	10.8x	400
Remaining IT Service Business	~11	IT Service peers	7.0x	77
IoT Business	~102	Advantech, Seco Spa	17.2x	1,754
Enterprise value				2,231
- Net debt (cash)				14
- Pension provisions				10
- Minorities & Peripherals				5
- Leasing liabilities				62
- Paid-out dividends for last FY				22
+/- Other EV items				0
Equity value				2,118
Number of shares (m)				63.6
Value per share (EUR)				33.3
Current Price (EUR)				14.5
Upside				130%
Source: Factset, Pareto Securitie	es			

Peer multiples

Company	Country	Share price (EUR)	MV (m EUR)	Beta	(P/i FY1	E) FY2	EV/EBI FY1	ITDA FY2	EV/EI FY1	BIT FY2	DY FY1	EBITDA margin	EBITDA/ Assets
оТ		(201.)	(201.)									ყ	7.000.0
Advantech Co., Ltd.	TAIWAN	292	7,075	0.8	20.7	20.3	15.6	14.9	17.0	16.0	3.3%	0.6%	0.69
SECO S.p.A.	ITALY	6	683	0.9	38.7	25.6	19.2	14.1	27.6	18.7	0.0%	13.3%	3.79
Median IoT				0.8	29.7	23.0	17.4	14.5	22.3	17.4	1.7%	6.9%	2.19
T Service Germany													
adesso SE	GERMANY	103.4	673	1.1	18.9	15.8	9.2	8.0	15.5	13.4	0.7%	11.3%	12.79
All for One Group SE	GERMANY	38.8	193	0.6	18.1	12.8	5.2	4.4	14.2	10.2	4.0%	10.2%	14.39
Allgeier SE	GERMANY	29.5	337	1.1	17.9	12.9	7.8	6.3	12.5	9.5	1.8%	9.3%	7.79
Bechtle AG	GERMANY	35.3	4,450	1.0	17.4	16.4	10.5	9.9	13.5	12.7	1.7%	7.4%	12.79
CANCOM SE	GERMANY	26.4	932	1.1	18.5	16.3	5.8	5.3	9.1	8.1	3.6%	8.9%	8.39
Cenit AG	GERMANY	13.8	115	0.5	23.1	15.4	8.6	6.7	13.0	9.1	4.0%	6.8%	10.69
Datagroup SE	GERMANY	58.2	486	1.0	17.2	14.9	7.7	7.1	13.9	12.3	1.9%	14.2%	13.89
GFT Technologies SE	GERMANY	33.4	879	1.6	19.2	16.2	11.0	9.6	14.7	12.4	1.5%	9.5%	11.89
KPS AG	GERMANY	3.12	117	0.4	13.0	11.1	7.1	6.7	11.2	9.8	7.2%	13.6%	13.49
PSI Software AG	GERMANY	23.2	364	1.0	27.8	18.4	10.5	8.6	16.6	12.7	1.7%	11.2%	9.89
Median IT Service Germa	any			1.0	18.3	15.6	8.2	6.9	13.7	11.2	1.8%	9.9%	12.2°

Historical PE (consensus-based)



Our "buy" case is supported by the still significant discount of the share price to (1) past levels and (2) the TecDAX.

Premium vs. TecDAX



Source: Factset, Pareto Securities

PROFIT & LOSS (fiscal year) (EURm)	2017	2018	2019	2020	2021	2022e	2023e	2024e
Revenues	882	991	1,123	1,255	1,342	1,527	1,768	1,974
EBITDA	68	91	112	130	126	153	177	207
Depreciation & amortisation	(26)	(29)	(50)	(62)	(64)	(60)	(61)	(75)
EBIT	42	62	62	68	63	93	116	133
Net interest	(6)	(5)	(8)	(8)	(8)	(11)	(11)	(11)
Other financial items	-	-	-	-	-	-	-	-
Profit before taxes	35	56	54	61	54	82	105	121
Taxes	(6)	(8)	(5)	(6)	(5)	(14)	(19)	(24)
Minority interest	(7)	(3)	(0)	1	(1)	(1)	(1)	(1)
Net profit	23	45	49	56	48	67	86	96
EPS reported	0.43	0.70	0.74	0.85	0.75	1.05	1.34	1.52
EPS adjusted	0.43	0.70	0.74	0.85	0.75	1.05	1.34	1.52
DPS	0.13	0.16	-	0.30	0.35	0.49	0.62	0.70
BALANCE SHEET (EURm)	2017	2018	2019	2020	2021	2022e	2023e	2024e
Tangible non current assets	32	37	38	80	86	81	115	133
Other non-current assets	195	273	392	403	424	436	475	499
Other current assets	361	366	483	481	545	603	679	743
Cash & equivalents	217	172	312	282	297	328	284	276
Total assets	805	848	1,226	1,247	1,352	1,448	1,552	1,651
Total equity	332	367	385	409	423	469	524	581
Interest-bearing non-current debt	115	113	283	262	311	311	311	311
Interest-bearing current debt	-	-	-	-	-	-	-	-
Other Debt	356	366	549	565	608	659	707	749
Total liabilites & equity	805	848	1,226	1,247	1,352	1,448	1,552	1,651
CASH FLOW (EURm)	2017	2018	2019	2020	2021	2022e	2023e	2024e
Cash earnings	46	48	82	112	84	113	130	152
Change in working capital	(1)	(12)	2	29	12	(21)	(27)	(23)
Cash flow from investments	(39)	(63)	(56)	(77)	(66)	(38)	(116)	(97)
Cash flow from financing	93	(21)	84	(66)	(20)	(22)	(31)	(40)
Net cash flow	91	(45)	141	(30)	15	32	(44)	(7)
							(· · /	
VALUATION (EURm)	2017	2018	2019	2020	2021	2022e	2023e	2024e
VALUATION (EURm) Share price (EUR end)	2017 18.0	2018 15.8	2019 21.3	2020 19.3	2021 14.7	2022e 15.0		2024e 15.0
							2023e	
Share price (EUR end)	18.0	15.8	21.3	19.3	14.7	15.0	2023e 15.0	15.0
Share price (EUR end) Number of shares end period	18.0 63	15.8 66	21.3 66	19.3 65	14.7 64	15.0 64	2023e 15.0 64	15.0 64
Share price (EUR end) Number of shares end period Net interest bearing debt	18.0 63 (102)	15.8 66 (58)	21.3 66 (30)	19.3 65 (20)	14.7 64 14	15.0 64 (17)	2023e 15.0 64 27	15.0 64 34
Share price (EUR end) Number of shares end period Net interest bearing debt Enterprise value	18.0 63 (102) 1,066 1.2 15.7	15.8 66 (58) 998	21.3 66 (30) 1,385	19.3 65 (20) 1,232	14.7 64 14 951	15.0 64 (17) 940	2023e 15.0 64 27 985	15.0 64 34 993
Share price (EUR end) Number of shares end period Net interest bearing debt Enterprise value EV/Sales	18.0 63 (102) 1,066 1.2	15.8 66 (58) 998 1.0	21.3 66 (30) 1,385 1.2	19.3 65 (20) 1,232 1.0	14.7 64 14 951 0.7	15.0 64 (17) 940 0.6	2023e 15.0 64 27 985 0.6	15.0 64 34 993 0.5
Share price (EUR end) Number of shares end period Net interest bearing debt Enterprise value EV/Sales EV/EBITDA	18.0 63 (102) 1,066 1.2 15.7	15.8 66 (58) 998 1.0 11.0	21.3 66 (30) 1,385 1.2 12.4	19.3 65 (20) 1,232 1.0 9.5	14.7 64 14 951 0.7 7.5	15.0 64 (17) 940 0.6 6.2	2023e 15.0 64 27 985 0.6 5.6 8.5 11.1	15.0 64 34 993 0.5 4.8
Share price (EUR end) Number of shares end period Net interest bearing debt Enterprise value EV/Sales EV/EBITDA EV/EBIT	18.0 63 (102) 1,066 1.2 15.7 25.5	15.8 66 (58) 998 1.0 11.0 16.2 22.6 22.6	21.3 66 (30) 1,385 1.2 12.4 22.4 28.6 28.6	19.3 65 (20) 1,232 1.0 9.5 18.0	14.7 64 14 951 0.7 7.5 15.2 19.5	15.0 64 (17) 940 0.6 6.2 10.1 14.2	2023e 15.0 64 27 985 0.6 5.6 8.5	15.0 64 34 993 0.5 4.8 7.5
Share price (EUR end) Number of shares end period Net interest bearing debt Enterprise value EV/Sales EV/EBITDA EV/EBIT P/E reported	18.0 63 (102) 1,066 1.2 15.7 25.5 41.5	15.8 66 (58) 998 1.0 11.0 16.2 22.6	21.3 66 (30) 1,385 1.2 12.4 22.4 28.6	19.3 65 (20) 1,232 1.0 9.5 18.0 22.6	14.7 64 14 951 0.7 7.5 15.2 19.5	15.0 64 (17) 940 0.6 6.2 10.1 14.2	2023e 15.0 64 27 985 0.6 5.6 8.5 11.1	15.0 64 34 993 0.5 4.8 7.5 9.9
Share price (EUR end) Number of shares end period Net interest bearing debt Enterprise value EV/Sales EV/EBITDA EV/EBIT P/E reported P/E adjusted	18.0 63 (102) 1,066 1.2 15.7 25.5 41.5 41.5 3.7	15.8 66 (58) 998 1.0 11.0 16.2 22.6 22.6	21.3 66 (30) 1,385 1.2 12.4 22.4 28.6 28.6	19.3 65 (20) 1,232 1.0 9.5 18.0 22.6 22.6	14.7 64 14 951 0.7 7.5 15.2 19.5	15.0 64 (17) 940 0.6 6.2 10.1 14.2	2023e 15.0 64 27 985 0.6 5.6 8.5 11.1 11.1	15.0 64 34 993 0.5 4.8 7.5 9.9
Share price (EUR end) Number of shares end period Net interest bearing debt Enterprise value EV/Sales EV/EBITDA EV/EBIT P/E reported P/E adjusted P/B FINANCIAL ANALYSIS ROE adjusted (%)	18.0 63 (102) 1,066 1.2 15.7 25.5 41.5 41.5 3.7	15.8 66 (58) 998 1.0 11.0 16.2 22.6 22.6 2.9	21.3 66 (30) 1,385 1.2 12.4 22.4 28.6 28.6 3.8	19.3 65 (20) 1,232 1.0 9.5 18.0 22.6 22.6 3.1	14.7 64 14 951 0.7 7.5 15.2 19.5 19.5 2.2 2021	15.0 64 (17) 940 0.6 6.2 10.1 14.2 2.1 2022e	2023e 15.0 64 27 985 0.6 5.6 8.5 11.1 11.1 1.8 2023e	15.0 64 34 993 0.5 4.8 7.5 9.9 9.9 1.7
Share price (EUR end) Number of shares end period Net interest bearing debt Enterprise value EV/Sales EV/EBITDA EV/EBIT P/E reported P/E adjusted P/B FINANCIAL ANALYSIS ROE adjusted (%) Dividend yield (%)	18.0 63 (102) 1,066 1.2 15.7 25.5 41.5 41.5 3.7 2017 7.9 0.7	15.8 66 (58) 998 1.0 11.0 16.2 22.6 22.6 2.9 2018 12.9 1.0	21.3 66 (30) 1,385 1.2 12.4 22.4 28.6 28.6 3.8 2019	19.3 65 (20) 1,232 1.0 9.5 18.0 22.6 22.6 3.1 2020 14.0 1.6	14.7 64 14 951 0.7 7.5 15.2 19.5 19.5 2.2 2021 11.6 2.4	15.0 64 (17) 940 0.6 6.2 10.1 14.2 2.1 2022e 15.0 3.3	2023e 15.0 64 27 985 0.6 5.6 8.5 11.1 11.1 1.8 2023e 17.2 4.2	15.0 64 34 993 0.5 4.8 7.5 9.9 9.9 1.7 2024e 17.4 4.7
Share price (EUR end) Number of shares end period Net interest bearing debt Enterprise value EV/Sales EV/EBITDA EV/EBIT P/E reported P/E adjusted P/B FINANCIAL ANALYSIS ROE adjusted (%)	18.0 63 (102) 1,066 1.2 15.7 25.5 41.5 41.5 3.7 2017 7.9 0.7 7.7	15.8 66 (58) 998 1.0 11.0 16.2 22.6 22.6 2.9 2018 12.9 1.0 9.1	21.3 66 (30) 1,385 1.2 12.4 22.4 28.6 28.6 3.8 2019	19.3 65 (20) 1,232 1.0 9.5 18.0 22.6 22.6 21.6 3.1 2020 14.0 1.6 10.4	14.7 64 14 951 0.7 7.5 15.2 19.5 19.5 2.2 2021 11.6 2.4 9.4	15.0 64 (17) 940 0.6 6.2 10.1 14.2 2.1 2022e 15.0 3.3 10.0	2023e 15.0 64 27 985 0.6 5.6 8.5 11.1 11.1 1.8 2023e 17.2 4.2 10.0	15.0 64 34 993 0.5 4.8 7.5 9.9 9.9 1.7 2024e 17.4 4.7 10.5
Share price (EUR end) Number of shares end period Net interest bearing debt Enterprise value EV/Sales EV/EBITDA EV/EBIT P/E reported P/E adjusted P/B FINANCIAL ANALYSIS ROE adjusted (%) Dividend yield (%) EBITDA margin (%) EBIT margin (%)	18.0 63 (102) 1,066 1.2 15.7 25.5 41.5 41.5 3.7 2017 7.9 0.7 7.7 4.7	15.8 66 (58) 998 1.0 11.0 16.2 22.6 22.6 2.9 2018 12.9 1.0 9.1 6.2	21.3 66 (30) 1,385 1.2 12.4 22.4 28.6 28.6 3.8 2019 13.1	19.3 65 (20) 1,232 1.0 9.5 18.0 22.6 22.6 3.1 2020 14.0 1.6 10.4 5.4	14.7 64 14 951 0.7 7.5 15.2 19.5 19.5 2.2 2021 11.6 2.4 9.4 4.7	15.0 64 (17) 940 0.6 6.2 10.1 14.2 2.1 2022e 15.0 3.3 10.0 6.1	2023e 15.0 64 27 985 0.6 5.6 8.5 11.1 11.1 1.8 2023e 17.2 4.2 10.0 6.6	15.0 64 34 993 0.5 4.8 7.5 9.9 9.9 1.7 2024e 17.4 4.7 10.5 6.7
Share price (EUR end) Number of shares end period Net interest bearing debt Enterprise value EV/Sales EV/EBITDA EV/EBIT P/E reported P/E adjusted P/B FINANCIAL ANALYSIS ROE adjusted (%) Dividend yield (%) EBITDA margin (%)	18.0 63 (102) 1,066 1.2 15.7 25.5 41.5 41.5 3.7 2017 7.9 0.7 7.7	15.8 66 (58) 998 1.0 11.0 16.2 22.6 22.6 2.9 2018 12.9 1.0 9.1	21.3 66 (30) 1,385 1.2 12.4 22.4 28.6 28.6 3.8 2019	19.3 65 (20) 1,232 1.0 9.5 18.0 22.6 22.6 21.6 3.1 2020 14.0 1.6 10.4	14.7 64 14 951 0.7 7.5 15.2 19.5 19.5 2.2 2021 11.6 2.4 9.4	15.0 64 (17) 940 0.6 6.2 10.1 14.2 2.1 2022e 15.0 3.3 10.0	2023e 15.0 64 27 985 0.6 5.6 8.5 11.1 11.1 1.8 2023e 17.2 4.2 10.0	15.0 64 34 993 0.5 4.8 7.5 9.9 9.9 1.7 2024e 17.4 4.7 10.5

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Disclosure requirements in accordance with Commission Delegated Regulation (EU) 2016/958 and the FINRA Rule 2241

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Companies	No. of shares	Holdings in %
Bonheur	239,445	0.56%
Huddly	1,070,395	0.51%
Par eto Bank	14,732,219	21.09%
Sel vaag Bolig	4,361,772	4.65%
Spar ebank 1 Nor d-Nor ge	4,472,477	4.45%
Sparebank 1 SMN	2,348,960	1.81%
Spar ebank 1 SR-Bank	2,375,835	0.93%
Spar eBank 1 Østf old Akershus	1,233,804	9.96%
Spar eBank 1 Østlandet	4,458,934	4.20%
Spar ebanken Mør e	566,833	1.15%
Spar ebanken Sør	333,249	2.13%
Spar ebanken Vest	7,279,243	6.78%
NEXT Biometrics	700,000	0.76%
SpareBank 1 Sørøst-Norge	2,553,659	4.05%

Pareto Securities AS may hold financial instruments in companies where a recommendation has been produced or distributed by Pareto Securities AS in connection with rendering investment services, including Market Making.

Please find below an overview of material interests in shares held by employees in Pareto Securities AS, in companies where a recommendation has been produced or distributed by Pareto Securities AS. "By material interest" means holdings exceeding a value of NOK 50 000.

Company	Analyst holdings*	Total holdings
AAC Clyde Space	0	72,700
Adevinta	0	2,000
Aker ASA	500	2,329
Aker BP	0	13,315
Aker Horizons	0	170,761
A M SC A SA	0	4,880
Atlantic Sapphire	0	7,500
Austevoll Seaf ood	0	2,348
AutoStore	0	3,525
A vance Gas	0	4,280
A wil co LNG	0	30,000
Belships	0	40,000
BioInvent	0	15,000
Bonheur	0	30,575
Borregaard ASA	0	515
Bouvet	0	980
BW Energy	0	81,325
BW Of f shore	0	4,900
Cloudber ry Clean Energy	0	100,000
Crayon	0	2,380
Desert Control	0	28,000
DNB	0	34,030
DNO	0	30,391
Elkem	0	65,376
Elmer a Group A SA	0	29,405
Embracer Group	0	6,600
Equinor	0	1,616
Europris	0	17,208
Flex LNG	0	1,135
Frontline	0	17,100

Company	Analyst holdings*	Total holdings
Coming Institution Coming	0	15.000
Gaming Innovation Group Gjensidige Forsikring	519	1.160
Grieg Seaf ood	0	14,374
Haf nia Ltd.	0	126.000
Huddly	0	1,070,395
Hunter Group	0	53,996
Hydr ogenPr o	0	34,922
International Petroleum Corp	0	5,511
Kitron	0	9,226
Komplett Bank	0	153,800
Kongsber g Gruppen	0	270
KWS	75	75
Lea bank	0	16,355
Ler øy Seaf ood Group	0	38,631
Media and Games Invest	0	5,000
Meltwater	0	24,000
Mowi	0	1,488
NEXT Biometrics	0	700,000
NORBIT ASA	0	3,656
Nor dic Semi conductor	0	13,019
Noreco	0	500
Norsk Hydro	0	83,711
Nor ske Skog	0	79,949
Northern Drilling Ltd.	0	188,000
Odfjell Drilling	0	30,381
Orkla	0	11,016
Panor o Ener gy	0	12,733
Par eto Bank	0	761,873
PetroTal	0	74,000
Pexip Holding	0	430,795
Protector Forsikring	0	10,300
PyrumInnovations	0	100
Quantaf uel	0	17,665
REC Silicon	0	31,990
Sandnes Spar ebank	0	2,500
Sandvik	0	1,000
Scatec	0	30,129
Seadrill Ltd	0	7,850
SignUp Software	0	1,264
Spar ebank 1 Nor d-Nor ge	0	5,000
Spar ebank 1 SMN	0	10,164
Spar ebank 1 SR-Bank	0	7,445
Spar ebanken Mør e	0	1,080
Spar ebanken Sør	0	15,940
Spar ebanken Vest	0	3,294
Stolt-Nielsen	0 100	2,233
Stor ebr and		1,750
Storytel	0	4,390
Subsea 7	0	24,640 1,954
Telenor TGS	0	1,954
TORM	0	2.500
Transocean	0	13.000
I ransocean Valaris	0	13,000 2,000
	0	2,000 1,235
Vestas Wind Systems Vow	0	3,281
vow Vår Energi	0	3,281 95.937
var ⊨nergi Yara	0	95,937
Zaptec	0	14.010
Laproo	0	14,010

This overview is updated monthly (last updated 17.10.2022).

 $^{^*} Analyst\ holdings refers to position sheld by the Pareto Securities AS\ analyst\ covering the\ company.$

Appendix B

Disclosure requirements in accordance with Article 6(1)(c)(iii) of Commission Delegated Regulation (EU) 2016/958

Overview over issuers of financial instruments where Pareto Securities AS have prepared or distributed investment recommendation, where Pareto Securities AS have been lead manager/co-lead manager or have rendered publicly known not immaterial investment banking services over the previous 12 months:

Swedencare TEMPTON GmbH

Trønderenergi AS Vestby Logistikk Holding

Viking Venture 27 AS

Vår Energi Waldorf Production UK Ltd

Waste Plastic Upcycling

Tier klinik Hof heim GbR Tise AS

Add Energy Aker ASA Aker Clean Hydrogen Aker Offshore Wind Akershus Energi Varme AS Alva Industries AS American Shipping Company Aprila Bank ASA B2Holding AS

B2Holding AS
Bidnvent
Biomega Group AS
Bor Drilling
Bor al Holding AS
Bor of Prilling
Brooge Petroleum and Gas
BW UPG
BW Off shore
Cabonline Group Holding AB Cabonline Group Holding AB Cavai AS Cloudberry Clean Energy DNO

Dolphin Drilling ELOP Enapter AG Ensur ge Micropower Esmaeilzadeh Holding First Camp Group AB
Flex LNG
Global Agrajes (Fertiberia group)

Global Agrajes (Fertiberia Golar LNG Gram Car Carriers Green Transition Holding Greenfood Haf slund Eco HMH Holding Hospitality Invest House of Control House of Control Ice Group Idavang A/S InoBat Auto

International Petroleum Corporation

Island Green Power Ltd KMC Properties Kruse Smith Kruse Smith
Kvitebjørn Energi AS
Magnor a
Memno Family
Mime Petroleum
Modex AS
Multitude SE Multitude SE Navios Maritime Holdings Nor Am Drilling Nor dic Halibut Nor ske Skog Nor wegi an Block Exchange Odf jell Oceanwind

OkeaAS Otello Cor por ati on Pandi on Ener gy Par eto Bank PHM Group

poLight ASA
Pronof a AS
Protector Forsikring

Pryme Pyrum Innovations Qred Holding Quantafuel

Saga Robotics Salmon Evolution Sartorius-Herbst

Schletter International B.V Seagems Nor way

Shamar an Petroleum State European Holdings

This overview is updated monthly (this overview is for the period 30.09.2021–31.10.2022).

Appendix C

Disclosure requirements pursuant to the Norwegian Securities Trading Regulation § 3-11 (4)

Distribution of recommendations Recommendation

Buv	78%
Hold	21%
Sell	1%
Distribution of recommendations (transactions*)	
Recommendation	% distribution
Buy	88%

 $^* Companies under coverage with which Pareto Securities Group has on-going or completed public$

This overview is updated monthly (last updated 17.10.2022).

Appendix D

This section applies to research reports prepared by Pareto Securities AB.

Disclosure of positions in financial instruments

The beneficial holding of the Pareto Group is 1 % or more of the total share capital of the following companies included in Pareto Securities AB's research coverage universe: None

The Par eto Group has material holdings of other financial instruments than shares issued by the following companies included in Pareto Securities AB's research coverage universe: None

Disclosure of assignments and mandates

Overview over issuers of financial instruments where Pareto Securities AB has prepared or distributed investment recommendation, where Pareto Securities AB has been lead manager or co-lead manager or has rendered publicly known not immaterial investment banking services over the previous twelve months:

Media & Games Invest plc. Oscar Properties Shamar an Petroleum Corp Studentbostäder i Norden ADDvise Swedencare Cibus Nordic Real Estate AB Egetis Ther apeutics Mentice VNV Globa

Members of the Pareto Group provide market making or other liquidity providing services to the following companies included in Pareto Securities AB's research coverage universe:

Media & Games Invest plc. Mentice AB Africa Energy Corp. ByggPartner i Dalarna Holding Implantica Isof ol Medical Tethys Oil Sci Base Holding Sedana Medical VEF

Members of the Pareto Group have entered into agreements concerning the inclusion of the company in question in Pareto Securities AB's research coverage universe with the following

Member of the Pareto Group is providing Business Management services to the following

Fleming Properties AB Halmslätten Fastighets AB (publ) Kor sängen Fastighets AB (publ) Krona Public Real Estate AB Logistri Fastighets AB Mäl ar åsen AB One Publicus Fastighets AB Origa Care AB (publ) Preservium Property AB Aar haus Residentials Denmark AB Backaheden Fastighets AB
Bonäsudden Holding AB (publ)
Bor glanda Fastighets AB
Bosjö Fastigheter AB

Members of the Pareto Group have entered into agreements concerning the inclusion of the company in question in Pareto Securities AB's research coverage universe with the following companies: None

This overview is updated monthly (last updated 17.10.2022).

Appendix E

Disclosure requirements in accordance with Article 6(1)(c)(i) of Commission Delegated Regulation (EU) 2016/958

Designated Sponsor

Pareto Securities acts as a designated sponsor for the following companies, including the provision of bid and ask offers. Therefore, we regularly possess shares of the company in our proprietary trading books. Pareto Securities receives a commission from the company for the provision of the designated sponsor services.

2G Ener gy AG IVU Traffic AG PSIAG ad pepper m Biotest AG Kontron AG Leif heit AG Pyr um Innovations AG Questback Group AS Leif heit AG
Logwin AG
manz AG
MAX Automation SE
Mer kur Privatbank AG
Meta Wolf AG
MLP SE
MPC Container Ships ASA
Muehlhahn AG
Mutar es SF & Co KGAA Salmones Camanchaca S.A.
Seven Principles AG
SHOP APOTHEKE EUROPE N.V. Biotest AG Pf d Biotest AGP1d.

Cor estate Capital Holding S.A.

Daldrup & Sohne AG

DEMIRE AG

DF Deutsche Fortfait AG
epigenomics AG

Foris AG

GERRY WEBER International AG
GERGAG Syzygy AG TTL Beteiligungs- und Grundbesitz AG Mutares SE & Co. K GaA Gesco AG GFT Technologies SE Uzin Utz SE VERIANOSSE

OVB Holding AG ProCredit Holding AG Gigaset AG Viscom A G Heidelber g Phar ma AG INTERSHOP Communications AG $\label{eq:continuous} \mbox{Progress-Werk Oberkirch AG} \\ \mbox{Pryme B.V.}$

windeln.de SE WPU - Waste Plastic Upcycling AS

Appendix F

Disclosure requirements in accordance with Article 6(1)(c)(iv) of Commission Delegated Regulation (EU) 2016/958

Sponsored Research

Pareto Securities has entered into an agreement with these companies about the preparation of research reports and - in return - receives compensation.

Gesco AG 2G Ener gy AG Mutares SE & Co. KGaA BayWa A G BB Biotech A G GFT Technologies SE Gigaset AG Mynaric AG OHB SE Biotest AG Heidelber a Pharma AG ProCredit Holding AG Biotest AG Pf d Hypoport SE INTERSHOP Communications AG Progress-Werk Oberkirch AG PSIAG Cliq Digital AG Cliq Digital AG
Daldr up & Söhne AG
Der maphar m Holding SE
Enapter AG
epigenomics AG
Expression Biotech Holding AB
GERRY WEBER International AG Kontr on AG Siegfried Holding AG SMT Scharf AG Leif heit AG

This overview is updated monthly (last updated 12.10.2022).

% distribution