# Model update

We have updated our model to take into account last week's capital increase and the weak Q4 transaction figures. The Europace transaction volume was down by 41% yoy, weaker than expected by us. We have revised our earnings estimates and lower our target price to EUR 215 (EUR 225). We stick however to our Buy rating as we remain convinced from the company's mid-term growth opportunities.

## Capital increase and weak transaction figures for Q4

Last week Hypoport announced weak transaction figures for Q4. Europace reported a decline of the transaction volume by 41% yoy to EUR 15.4bn, the lowest quarterly level since Q4 2018. The good news from the publication of the transaction figures was that the monthly transaction volumes have stabilized on a low level since October. This makes us confident that transaction volume may stabilize on the Q4 level in H1 2023. The announced capital increase of EUR 50m leads to a dilution of around 6%. We think it was a good decision to take advantage from the increased share price level to be prepared for a more challenging market environment.

## Targeted cost reduction higher than expected

Key positive news from the published transaction figures was in our view, however, that Hypoport expects 2023e costs to be between EUR 35m and EUR 40m below the 2022 level. This has been a positive surprise as we had so far been calculating with only EUR 16m of cost reductions. We remain, however, somewhat skeptical whether Hypoport will be able to reduce costs by such a high number and calculate thus only with EUR 28m lower costs in 2023e. We hope for some additional details with the publication of Hypoport's Q4 results.

# Financials

We have reduced our EPS estimate from EUR 3.06 to EUR 1.42 and from EUR 4.13 to EUR 1.13 for 2022e and 2023e, respectively. For 2024e we have lowered our EPS forecast from EUR 4.59 to EUR 4.10. We have reduced our forecast for the market development in Q4 2022 and 2023, taking into account Hypoport's weak Q4 transaction figures. We have also taken into account the capital increase and the cost cutting target for the current year.

EURm	2020	2021	2022e	2023e	2024e
Revenues	388	446	450	405	465
EBITDA	64	77	47	46	75
EBIT	36	48	15	14	41
EPS	4.44	4.86	1.42	1.13	4.10
EPS adj	4.44	4.86	1.42	1.13	4.10
DPS	-	-	-	-	-
EV/EBITDA	53.2	43.7	16.7	23.6	14.4
EV/EBIT	93.8	70.7	51.6	75.5	26.5
P/E adj	-	-	68.5	-	35.0
P/B	14.71	12.79	2.36	3.02	2.78
ROE (%)	14.0	12.9	3.5	2.5	8.3
Div yield (%)	-	-	-	-	-
Net debt	156	148	161	123	118

Source: Pareto Securities

Target price (EUR) Share price (EUR)	<b>215</b> 144		BUY
		-	HOLD
		▼	SELL

### Forecast changes

(2)	(5)	1
(21)	(36)	(6)
(46)	(62)	(5)
(54)	(73)	(11)
(54)	(73)	(11)
	(46) (54)	(46) (62) (54) (73)

Source: Pareto Securities

Ticker	HYQGN.DE, HYQ GR
Sector	<b>Diversified Financials</b>
Shares fully diluted (m)	6.3
Market cap (EURm)	903
Net debt (EURm)	161
Minority interests (EURm)	2
Enterprise value 22e (EURm)	776

### Performance



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### Analysts

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## Changes to our estimates

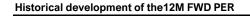
in EUR	2023e old	2023e new	change	2024e old	2024e new	change
Revenues (m)	426	405	-5%	460	465	1%
EBITDA (m)	72	46	-36%	79	75	-6%
EBIT (m)	38	14	-62%	43	41	-5%
Pretax profit (m)	33	9	-72%	37	35	-5%
Net profit (m)	26	7	-72%	29	27	-5%
EPS	4.13	1.10	-73%	4.59	4.10	-11%
Source: Pareto Sec	urities					

Apart from the changes shown above we have lowered our 2022e EPS estimate from EUR 3.06 to EUR 1.42 as we now calculate with a loss for Q4, due to the weak transaction figures for Q4 and one-off costs related to the restructuring program. Furthermore, we have mainly changed our 2023e earnings estimates. We have reduced our revenue forecast by 5% as we expect transaction volumes to remain lower for a somewhat longer period than expected before. We now expect mortgage loan new business volume in Germany to decline by 15% yoy in 2023. We calculate with higher cost reductions than before. Thus, we have cut our EPS estimate from EUR 4.13 to EUR 1.10, for 2024e we reduced our EPS forecast only slightly by 11%.

# Our estimates vs. consensus

KPIs (EUR)		PASe	_		Consensu	s		Deviation		
	2022e	2023e	2024e	2022e	2023e	2024e	2022e	2023e	2024e	
Revenue (m)	450	405	465	463	434	477	-3%	-7%	-3%	
EBITDA (m)	47	46	75	51	61	75	-9%	-24%	0%	
EBIT (m)	15	14	41	20	29	42	-25%	-50%	-2%	
Net income (m)	9	7	27	15	20	30	-38%	-64%	-10%	
EPS	1.42	1.10	4.10	2.30	3.25	4.82	-38%	-66%	-15%	

We are now well below consensus for 2022e and 2023e with our earnings estimates. Presumably, not all analysts have yet taken into account the capital increase and the weak Q4 transaction figures, i.e. the consensus is likely to come down as well in the coming weeks.





Source: FactSet, Pareto Securities

Shares are trading at a 12M FWD PER of 36x which is in line with the 10YR historical average but well below the historical 5YR average. As earnings are expected to decline in 2023, the 12M FWD PER is, however, somewhat inflated. On a 24M FWD PER basis the shares are trading at 29x (based upon consensus estimates) below the 5YR historical average.

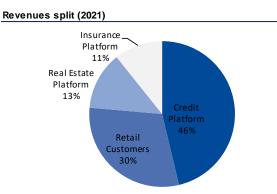
# Valuation and Recommendation

We stick to our Buy recommendation with a new target price of EUR 215 (before: EUR 225). Shares are attractively valued in our view with a 2024e PER of 35x given the high earnings growth potential from 2024e onwards. We expect Hypoport to win further market share in mortgage financing while the real estate and insurance platform have both still huge growth potential which will however not be realized in the short term. The digitalization of the banking / insurance / real estate industry is not a sprint but rather a marathon. Thus, we expect Hypoport to continue winning market share in the coming years and further grow revenues by double digits – 2022 and 2023 should remain exceptions.

## DCF Model

		Phas	el				Phas	se II			Phase III
Expectations in EUR m	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	
Revenues	405	465	528	591	656	726	801	881	965	1,055	
growth rate	-10.0%	15.0%	13.5%	12.0%	11.0%	10.6%	10.3%	9.9%	9.6%	9.3%	
EBIT	14	41	55	63	75	87	100	114	130	148	
EBIT Margin	3.5%	8.8%	10.4%	10.7%	11.5%	12.0%	12.5%	13.0%	13.5%	14.0%	
Tax	-2	-7	-10	-12	-16	-19	-21	-24	-28	-32	
Tax rate	21%	21%	21%	21%	21%	21%	21%	21%	21%	21%	
Depreciation	32	34	37	40	46	47	50	55	60	64	
% of revenue	7.8%	7.3%	7.0%	6.8%	7.0%	6.5%	6.3%	6.2%	6.2%	6.1%	
Capex	-39	-42	-45	-48	-49	-54	-59	-64	-60	-64	
% of revenue	9.6%	9.0%	8.4%	8.1%	7.5%	7.4%	7.3%	7.2%	6.2%	6.1%	
Change in Working Capital	-4	-7	-7	-7	-8	-9	-10	-11	-12	-13	
% of revenue	1.0%	1.4%	1.3%	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%	
Free Cash Flow	1	<b>19</b> 2550.1%	<b>31</b> 58.6%	<b>36</b> 18.9%	<b>48</b> 32.4%	53 10.5%	<b>61</b> 14.6%	<b>71</b> 15.6%	<b>91</b> 28.8%	103 13.9%	2,304 2.8%
growth rate Present Value CF	nm 1	2550.1%	58.6% 27	18.9% <b>30</b>	32.4% 36	10.5% 37	14.6% <b>40</b>	15.6% <b>43</b>	28.8% 52	13.9%	2.8%
Fresent value Ci		10	21	50	50	51	40	45	52	55	1,220
PV Phase I		75			Debt rate		3.0%	г	arget equi	ity ratio	70%
PV Phase II		263		F	Risk premi	um	5.0%	E	Beta		1.1
PV Phase III		1,220		F	Risk-free r	ate	3.5%	v	VACC		7.4%
Enterprise value		1.558		5	Sensitivity	1		Grow	th in Phas	ælli	
+ Cash		79			Analysis		1.8%	2.3%	2.8%	3.3%	3.8%
- Debt		201		-	-	6.63%	216	238	265	301	349
Equity Value		1,436				7.00%	197	216	238	266	304
Number of shares		6.7		``	VACC	7.37%	181	196	215	238	268
						7.74%	167	180	195	215	239
Value per share		215				8.11%	154	165	179	195	200
											214

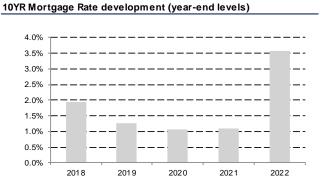
### **Investment Case in Charts**



Credit Platform (Europace) & Retail Cust. (Dr. Klein) are the key revenue pillars, the Ins. Platf. should be the grow th engine in the mid-term.

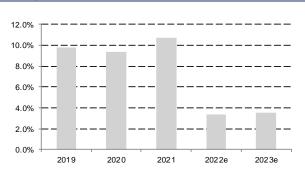
Source: Hypoport, Pareto Sec. Research

Source: Bundesbank, Pareto Sec. Research



Following years of very low mortgage loan rates, rates have sharply increased in 2022; we expect rates to remain on the current level.

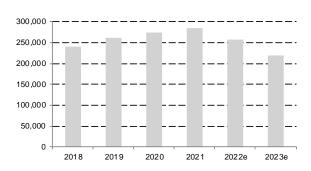
# EBIT margin development



The EBIT margin should decline in 2022e due to restructuring costs and only stable revenues. For 2023e we expect a slight recovery.

Source: Hypoport, Pareto Sec. Research

### Market development (new mortgage loans in EUR m)



After a strong 2021 w e forecast market volumes to decline in 2022e and 2023e.

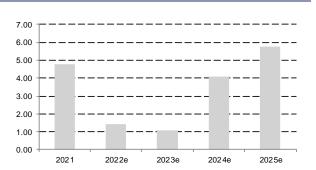


Revenues development (in EUR m)

500 -		 	 	 			
450 -		 	 	 -			
400 -		 	 • •	 -		-	
350 -		 	 •	 -		-	
300 🕂	- ·	 	 •	 -		-	
250 -	- ·		 •	 -		-	
200 🗕	- ·	 	 • •	 -		-	
150 -	- ·	 	 •	 -		-	
100 -	- ·		 •	 -		-	
50 -	- ·		 •	 -		-	
- +-							
	2019	2020	2021	20226	e	20236	e

Driven by the low er real estate financing volumes we forecast revenues to decline by 10% yoy in 2023e.

# EPS development (in EUR)



We forecast EPS to grow strongly in 2024e and 2025e.

Source: Hypoport, Pareto Sec. Research

Source: Hypoport, Pareto Sec. Research

Source: Pareto Securities Research, Hypoport

## At a Glance

	Credit Platf	form	Private Cli	ients	Real Esta	e Platform	Ins	urance Platform	
	OEURO	PACE	DR <sub>o</sub> K		DR <sub>0</sub> KLE VALUE	IN FIO		SMART Insurteci	Η
oducts/ oplications	Through its credit platform Europac banks to distribute loans of mon customers. Banks can also use E their own loan b	re than 700 banks to its uropace to solely process	Dr. Klein is the brand through whic customers. Dr. Klein's more than 6 different financial products, the focu loans.	00 IFAs advise customers on us being clearly on mortgage			ldea is to build an Europ online insurance mark comparison, advice tools a	iness unit largets the insurar pace for the insurance indus ket place which comprises p and processing of the policie management.	stry, i.e. a products
ustomers	Customers range from mortgage savings and mutual banks. Savin serviced via two separal	igs and mutual banks are	Customers are normal retail custo needs. Mortgage customers should			ofessional real estate investors, Customers of FIO and Value are banks.	companies. At the mome	e insurance brokers, IFAs a ent HYP has only customers parts of the software.	
	Although we do not have any figure being dependent on a few		Very diversified customer base, customers		We do not have any figures, customers may be some	but the dependence on single what higher for Dr. Klein.	Revenues are still on low	level, i.e. customer depend issue yet	lence no
arket share/ ositioning	Overall market share of Europace is around 30%. Market share of mortgage brokers, market share of savings and mutu	of around 50% among of between 10-15% among	No figures available, we estimate tha of around 15% among the broke		No figures available, but Dr. H around 20%. FIO has a markel savings banks with its real		Market share not yet mea	aningful as this unit is still in t phase.	the ramp
ivers	Main driver is the demand for m impacted by level of interest r apartments/ho	rates and demand for	Main driver is the demand for mort by level of interest rates and dema		public housing is high, the proce loan is needed may take long.	hand; even if the need for more ess until construction starts and a Winning market share of FIO & ong banks.	Overall growth of insura	ance premiums and growing rokers to increase efficiency	
ain competitors	Interhyp is the only competitor offer	ring a comparable solution.	Main competitors are mortgage bro Select and Planet Home. IFAs like more on insurance/inve	e MLP, OVB or DVAG focus	Mainly savings banks, but also brokerage business. Value's m FIO's competitors are of		At the moment similar so	oftware solutions are offered Finanzsoft/softair.	by Actu
try barriers/ mpetitive vantage	Entry barriers depend on the differe	ent business units. Highest e	ntry barriers exist in our view in Hypo		uropace. With the underlying tech er players.	nology and the extensive custom	er relationships HYP has a de	ecisive competitive advantag	ge comp
rategy & iidance	Strategy: (I) Winning more customers for Etd (II) Build-up of an insurance marke (III) Developing Private Clients furth (IV) Further develop the real estate	etplace in the mid-to-long ten er which should continue to		rmany.	Guidance 2022: Revenue: no guid EBIT no guid		Parete Revenue: y/γ EBIT	o Estimates Con 450 0.7% 15.0	
rategy & uidance 120	<ol> <li>Winning more customers for Eu (II) Build-up of an insurance market (III) Developing Private Clients furth</li> </ol>	etplace in the mid-to-long ten er which should continue to	n.	rmany. 77.1 17.3%	Revenue: no guid		Revenue: y/y	450 0.7% 15.0	
uidance	<ol> <li>Winning more customers for EI (ii) Build-up of an insurance marke (iii) Developing Private Clients think (iv) Further develop the real estate Sales (EUR m) <u>y</u>/y Sales split by c 11%</li> </ol>	stplace in the mid-b-long len er which should continue to platform. 446.3 15.1% division =Retail Cust	n. benefit from the housing boom in Ge EBITDA (EURm)	77.1 17.3% division = Retail Cust	Revenue: no guid EBIT no guid EBIT (EURm) Margin	47.7 10.7%	Revenue: y/y EBIT EPS 3Y hist. CAGR EBIT n 14% 12%	450 0.7% 15.0	
uidance	<ol> <li>Winning more customers for EI (ii) Build-up of an insurance marke (iii) Developing Private Clients Linh (IV) Further develop the real estate Sales (EUR m) <u>y/y</u> Sales split by c</li> </ol>	stplace in the mid-b-long len er which should continue to platform. 446.3 15.1% division =Retail Cust	n. benefit from the housing boom in Ge EBITDA (EURm) Margin EBIT split by .	77.1 17.3% division = Retail Cust = Credt Platform	Revenue:         no guid           EBIT         no guid           BIT (EURm) Margin           Group financii           500	47.7 10.7%	Revenue: y/y EBIT EPS 3Y hist. CAGR EBIT m 14%	450 0.7% 15.0 9.4%	
J20	(1) Winning more customers for EI (1) Build-up of an insurance marke (11) Developing Privale Clients think (11) Developing Privale Clients think (11) Further develop the real estable Sales (EUR m) <u>y/y</u> Sales split by c 11%	ptplace in the mid-b-long ten en which should continue to platform. 446.3 15.1% divisoin = Retail Cust % = Credt Platform = Real Estate	n. benefit from the housing boom in Ge EBITDA (EURm) <i>Margin</i> EBIT split by -9% -3%	77.1 17.3% division = Retail Cust = Credt Platform - Real Esste	Revenue:         no guid           EBIT         no guid           EBIT (EURm) Margin         Margin           6roup financia         600           500         500           500         500           500         500           500         500           500         500           500         500	47.7 10.7%	Revenue: y/y EBIT EPS 3Y hist. CAGR EBIT n 14% 5% 5% 5% 5% 5% 5% 5% 5% 5% 5	450 0.7% 15.0 9.4%	
20	(1) Winning more customers for EI (1) Build-up of an insurance marke (11) Developing Privale Clients thin (10) Developing Privale Clients thin (10) Further develop the real estate Sales (EUR m) <u>y/y</u> Sales split by c 31 33 46% CEO Major shareholder estate Major shareh	ptplace in the mid-b-long len ler which should continue to platform.  446.3 15.1%  446.3% 15.1%	n. benefit from the housing boom in Ge EBITDA (EURm) Margin EBIT split by .	77.1 17.3% division = Retail Cust = Credt Plafform Plafform Plafform Plafform Plafform Board Men	Revenue: no guid EBIT no guid EBIT (EURm) Margin Group financia Group financia Gr	ance 47.7 10.7% al development 2020 2021 enclosed by the second sec	Revenue: y/y EBIT EPS 3Y hist. CAGR EBIT m 14% 6% 6% 6% 0% 2017 2018	450 0.7% 15.0 9.4% nargin development 2019 2020 202 eholder structure	21
idance	<ul> <li>(i) Winning more customers for EI</li> <li>(ii) Build-up of an insurance marke</li> <li>(iii) Developing Privale Clients thinh</li> <li>(iv) Further develop the real estate</li> <li>Sales (EUR m)</li> <li>y/y</li> <li>Sales split by c</li> <li>Sales split by c</li> </ul>	ptplace in the mid-b-long ter which should continue to platform. 446.3 15.1% divisoin = Retail Cust % = Credt Platform Real Estate Platform Ronald Slabke Ronald Slabke CEO te was board membe	n. benefit from the housing boom in Ge EBITDA (EURm) Margin EBIT split by .	77.1 17.3% division = Retail Cust = Credt Platform Platform Platform Platform Marriage Platform Neth Dr. 1 - Start Men Start Men - Vith Dr. 1 - Start Men - Start Men - Vith Dr. 1 - Start Men - Start	Revenue: no guid EBIT no guid EBIT (EURm) Margin Group financi Group fin	ance 47.7 10.7% al development a	Revenue: y/y EBIT EPS 3Y hist. CAGR EBIT m 14% 6% 6% 6% 0% 2017 2018 Shar 3%	450 0.7% 15.0 9.4% nargin development 0.000 2019 2020 202 eholder structure 0.000 2019 2020 202	

# Source: Hypoport, Pareto Securities

Hypoport SE SPONSORED RESEARCH UPDATE | 24 JAN 2023

PROFIT & LOSS (fiscal year) (EURm)	2017	2018	2019	2020	2021	2022e	2023e	2024e
Revenues	195	266	337	388	446	450	405	465
EBITDA	30	39	52	64	77	47	46	75
Depreciation & amortisation	(7)	(10)	(19)	(28)	(29)	(32)	(32)	(34)
EBIT	23	29	33	36	48	15	14	41
Net interest	(0)	(1)	(2)	(3)	(3)	(4)	(5)	(6)
Profit before taxes	23	28	31	33	44	11	9	35
Taxes	(5)	(6)	(7)	(6)	(14)	(2)	(2)	(7)
Minority interest	-	-	-	-	-	-	-	-
Net profit	18	22	24	28	31	9	7	27
EPS reported	3.10	3.69	3.90	4.44	4.86	1.42	1.13	4.10
EPS adjusted	3.10	3.69	3.90	4.44	4.86	1.42	1.13	4.10
DPS	-	-	-	-	-	-	-	-
BALANCE SHEET (EURm)	2017	2018	2019	2020	2021	2022e	2023e	2024e
Tangible non current assets	4	10	35	98	102	113	125	138
Other non-current assets	68	211	269	342	358	363	365	368
Other current assets	54	53	62	79	87	92	98	104
Cash & equivalents	14	32	25	34	49	39	79	86
Total assets	141	306	392	552	596	606	667	697
Total equity	83	153	178	221	253	262	319	347
Interest-bearing non-current debt	13	71	98	168	173	175	177	179
Interest-bearing current debt	3	10	16	22	24	24	24	25
Other Debt	42	71	98	141	145	145	146	146
Total liabilites & equity	141	306	392	552	596	606	667	697
CASH FLOW (EURm)	2017	2018	2019	2020	2021	2022e	2023e	2024e
Cash earnings	24	35	45	53	65	38	39	61
Change in working capital	(16)	6	1	(5)	(0)	(5)	(4)	(7)
Cash flow from investments	(21)	(86)	(60)	(60)	(45)	(44)	(47)	(50)
Cash flow from financing	5	63	7	22	(4)	2	52	3
Net cash flow	(8)	19	(7)	9	16	(10)	40	8
VALUATION (EURm)	2017	2018	2019	2020	2021	2022e	2023e	2024e
Share price (EUR end)	145.4	148.2	315.0	515.0	511.0	97.4	143.5	143.5
Number of shares end period	6	6	6	6	6	6	7	7
Net interest bearing debt	2	49	90	156	148	161	123	118
Enterprise value	867	975	2,060	3,399	3,369	776	1,083	1,078
EV/Sales	4.4	3.7	6.1	8.8	7.5	1.7	2.7	2.3
EV/EBITDA	28.8	24.9	39.5	53.2	43.7	16.7	23.6	14.4
EV/EBIT	37.2	33.3	62.4	93.8	70.7	51.6	75.5	26.5
P/E reported	46.9	40.2	80.7	-	-	68.5	-	35.0
P/E adjusted	46.9	40.2	80.7	-	-	68.5	-	35.0
P/B	10.5	6.0	11.1	14.7	12.8	2.4	3.0	2.8
FINANCIAL ANALYSIS	2017	2018	2019	2020	2021	2022e	2023e	2024e
ROE adjusted (%)	25.1	19.0	14.7	13.9	12.9	3.5	2.5	8.2
Dividend yield (%)	-	-	-	-	-	-	-	-
EBITDA margin (%)	15.5	14.7	15.5	16.5	17.3	10.4	11.3	16.1
EBITDA margin (%) EBIT margin (%)	12.0	11.0	9.8	9.3	10.7	3.3	3.5	8.8
EBITDA margin (%)								

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-9	urty	Tuu	

"Buy"	Pareto Securities Research expects this financial instrument's total return to exceed 10% over the next $12\ months$
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# Hypoport SE SPONSORED RESEARCH UPDATE | 24 JAN 2023

# Appendix A

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

The below list shows companies where Pareto Securities AS - together with affiliated companies and/or persons – owns a net long position of the shares exceeding 0,5% of the total issued share capital in any company where a recommendation has been produced or distributed by Pareto Securities AS.

Companies	No. of shares	Holdings in %
Bonheur	239,270	0.56%
Huddly	1,088,823	0.52%
Pareto Bank	14,732,432	21.09%
Pexip Holding	560,095	0.54%
Sel vaag Bolig	4,671,772	4.98%
Sparebank 1 Nor d-Nor ge	5,011,402	4.99%
Sparebank 1 SM N	2,784,389	2.14%
Sparebank 1 SR-Bank	2,405,875	0.94%
SpareBank 1 Østfold Akershus	1,237,140	9.99%
SpareBank 1 Østlandet	5,751,702	5.42%
Sparebanken Møre	566,833	1.15%
Sparebanken Sør	333,249	2.13%
Sparebanken Vest	7,746,595	7.22%
NEXT Biometrics	700,000	0.76%
SpareBank 1 Sørøst-Norge	2,746,539	4.35%

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
Aker ASA Aker BP	500	2,288
Aker BP Aker Horizons	-	10,633 170,767
Aker Horizons AMSCASA	0	170,767
	0	
Aprila Bank ASA	-	22,675
Atlantic Sapphire	0	7,500
AURELIUSEquity Opportunities	0	500
Austevoll Seaf ood	0	3,548
AutoStore	0	2,025
AwilcoLNG	0	30,000
Belships	0	40,000
BioInvent	0	15,000
Bonheur	0	30,400
Borregaard ASA	0	515
Bouvet	0	980
BW Energy	0	98,374
BW Of f shore	0	4,900
Cloudberry Clean Energy	0	100,000
Crayon	0	1,300
Desert Control	0	6,685
DNB	0	33,577
DNO	0	70,391
Edda Wind	0	5,000
Egetis Ther apeutics	0	6,855
Elkem	0	54,376
Elmer a Group ASA	0	21,405
Embracer Group	0	8,600
Equinor	0	1,616
Europris	0	18,103
Flex LNG	0	1,135

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Company	Analyst holdings*	Total holdings
Frontline	0	17,100
Gaming Innovation Group	0	25,000
Gjensidige Forsikring Grieg Seafood	519 0	1,960 14,074
Haf nia Ltd.	0	109,000
Huddly	0	1.088.823
HydrogenPro	0	34,922
International Petroleum Corp	0	5,511
Kahoot	0	36,577
Kambi Groupplc	0	430
Kitron	0	2,314
Komplett Bank	0	153,800
Kongsberg Gruppen	0	500
Lea bank	0 0	16,355 38,951
Ler øy Seaf ood Group Media and Games Invest	0	38,951
Meltwater	0	24,000
Mowi	0	2,742
Multitude	0	2,443
NEXT Biometrics	0	700,000
NorAmDrilling	0	6,883
NORBIT ASA	0	3,706
Nor dic Semiconductor	0	13,053
Norsk Hydro	0	83,711
Norske Skog	0	83,449
Nor ther n Drilling Ltd.	0	195,550
Odf jell Drilling	0	3,881
Orkla PanoroEnergy	0	8,526 12,733
Panoro Energy Pareto Bank	0	12,733 762,086
PetroTal	0	74,000
Pexip Holding	0	560,095
Protector Forsikring	0	7,300
PyrumInnovations	0	100
Quantaf uel	0	17,665
REC Silicon	0	35,990
SalMar	0	3,500
Sandnes Spar ebank	0	2,500
Scatec	0	30,129
Seadrill Ltd Sign Up Software	0	10,150 1.264
Signup Sortware Sparebank 1 Nord-Norge	725	1,264
Sparebank 1 SMN	0	10,171
Spar ebank 1 SR-Bank	0	8.045
SpareBank 1 Østlandet	1,100	6,100
Sparebanken Møre	0	1,080
Spar ebanken Sør	0	15,940
Spar ebanken Vest	0	3,294
Stolt-Nielsen	0	2,233
Stor ebr and	100	3,110
Storytel	0	5,390
Subsea 7	-	28,890
Telenor TGS	0	3,004 10,830
TORM	0	2,500
Transocean	0	13,000
Valaris	0	2,000
Vestas Wind Systems	0	1,235
Vow	0	3,281
Vår Energi	0	94,143
Webstep	0	2,000
Wilh. Wilhelmsen Holding	0	229
Yara	0	16,014
Zaptec	0	7,400
AAC Clyde Space	0	52,700

This overview is updated monthly (last updated 16.01.2023).

\*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:

Add Energy Aker Clean Hydrogen Aker Offshore Wind Akershus Energi Varme AS Alva Industries AS American Shipping Company Waste Plastic Upcycling Wattif EN Ørn Software B2Holding AS Bekk og Strøm AS, SV Vattenkraft AB Benchmark Holdings BioInvent Biolnvent Bluewater Holding Bor Oprilling Brooge Petroleum and Gas BWL PG Caboline Group Holding AB Cadeler CCSFinansiering AS CERAFILTEC Cloudberry Clean Energy COOLCompany DNO DNO Dolphin Drilling EdR Certified Origin Physical Gold Plc Ensur ge Micropower Esmaeilzadeh Holding First Camp Group Gram Car Carriers Hafslund Eco HMH Holding HM H Holding Hospitality Invest House of Control HydrogenPro Lee Group Idavang A/S International Petroleum Corporation Island Green Power Ltd KMC Properties Kraft Bank Kraft Bank Kr on AS Kruse Smith Kvitebjørn EnergiAS Magnor a Maha Ener ov MemmoFamily MimePetroleum Multitude SE Nor Am Drilling Nor Am Drilling Nor die Unmannen Nor eco Nor se Atlantic Nor ske Skog Nor ther n Ocean Okea AS Pandion E per ov Pandion Energy Pareto Bank PGS PHM Group Holding Polight ASA Protector Forsikring Proximar Seafood Pryme Pul Pac AB Qred Holding Quantafuel Salmon Evolution Salmon Evolution Sartorius-Herbst Scala Eiendom Schletter International B.V Shamar an Petroleum Standard Supply AS Swedencare Swedencare Tierklinik Hofheim GbR Tise AS Trønderen ergi AS Vestby Logistikk Holding Viking Venture 27 AS Viking Venture 28 A S Vår Energi

This overview is updated monthly (this overview is for the period 01.01.2022-31.12.2022).

# Appendix C

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

Distribution of recommendations	
Recommendation	% distribution
Buv	75%
Hold	22%
Sell	3%
Distribution of recommendations (transactions*)	
Recommendation	% distribution
Buv	88%
Hold	12%
Sell	0%

 $^{\ast}$  Companies under coverage with which Pareto Securities Group has on-going or completed public services in the previous 12 months

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# Appendix D

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

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### Disclosure of assignments and mandates

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DDvise Group AB	Hexicon AB	SignUp Software AB
zelioAB	Linkfire A/S	Swedencar e A B
liovica International AB	Mentice AB	Xbr ane Biophar ma AB
loule Diagnostics AB	Media & Games Invest plc	VEFAB
ibus Nordic Real Estate AB	NGEx Minerals Ltd	Vicore Pharma Holding AB
Cinis Fertilizer AB	Oscar Properties AB	VNV Global AB
getis Therapeutics AB	Renewcell AB	

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Linkfire	Sedana Medical	VEF
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# **Appendix E**

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

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epigenomics AG	Meta Wolf AG
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Progress-Werk Ober kirch AG Pryme B.V. PSI AG Pyr um Innovations AG Salmones Camanchaca SA. Seven Principles AG SHOP APOTHEKE EUROPE N.V. SMT Scharl AG Surteco AG Syzygy AG TTL Beteilligungs- und Grundbesitz AG Uzin Utz SE VERIANOSSE Viscom AG

# Appendix F

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

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This report is generated for Jan H. Pahl

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Biotest AG Pf d.	Hypoport SE
Cliq Digital AG	INTERSHOP Communications AG
Dal dr up & Söhne A G	Kontr on AG
Der maphar m Hol di ng SE	Leif heit AG
Enapter AG	Logwin AG
epigenomics AG	MAX Automation SE
Expres2ion Biotech Holding AB	Merkur Privatbank AG
GERRY WEBER International AG	MLP SE

Mutares SE & Co. K GaA Mynaric AG OHB SE ProGreadit Holding AG Progreas-Werk Oberk irch AG PSI AG Siegf ried Holding AG Surt Techart AG Surteco AG Syzygy AG Viscom AG

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