

Q4 review: further (forced) emancipation from Deutsche Bank



GFT released preliminary numbers for FY'18 and the outlook for FY'19. As the major client Deutsche Bank is expected to cut its IT service budget again beyond expectations, we revise our estimates for FY'19 and beyond. Nevertheless, as the dependence on DB declines, we expect GFT to return to the growth path by 2020e. Including our updated estimates, we cut our TP to EUR 12, but maintain our Buy rating.

Acquisition and dividend on the positive side...

With all in all expected FY'18 results, GFT could show that growth outside its major client continues (11% organically). Particularly strong seemed the result of the recently acquired V-Neo, which should have achieved growth above 20% easily, albeit at a small scale. The dividend yield of 3.6% is clearly above average.

...Deutsche Bank (again) on the negative side

As FY'19 revenues with GFT's major client Deutsche Bank are expected to decline by another 30% (~ EUR 50m revenues shortfall), GFT will need to exhibit almost 20% organic revenue growth to achieve flat revenues in the current year. Overall, we expect that GFT will be slightly short on revenues and posts earnings significantly below FY'18, burdened by increased sales costs, restructuring and underutilisation.

Updating our estimates leads to new TP of EUR 12

As the Deutsche Bank account becomes increasingly less significant (2019e: 28% of sales), we expect GFT to return to the growth path within the next two years, positively affecting earnings growth. This is why we keep our positive mid-term view with a Buy rating and a new lower TP of EUR 12 (from EUR 13.5).

EURm	2017	2018	2019e	2020e	2021e
Revenues	419	413	409	424	448
EBITDA	33	37	33	38	43
EBIT	19	25	20	28	33
EPS	0.60	0.76	0.59	0.83	0.99
EPS adj	0.65	0.76	0.64	0.83	0.99
DPS	0.30	0.30	0.30	0.30	0.30
EV/EBITDA	11.7	6.4	8.2	6.8	5.7
EV/EBIT	20.8	9.8	13.6	9.2	7.3
P/E adj	20.2	8.8	12.9	9.9	8.3
P/B	2.98	1.38	1.61	1.46	1.30
ROE (%)	13.6	16.5	11.8	15.4	16.5
Div yield (%)	2.3	4.5	3.6	3.6	3.6
Net debt	39	56	42	30	18

Source: Pareto

Target price (EUR)	12.0
Share price (EUR)	8.2

Forecast changes

%	2019e	2020e	2021e
Revenues	(7)	(8)	NM
EBITDA	(27)	(21)	NM
EBIT adj	(31)	(21)	NM
EPS reported	(30)	(11)	NM
EPS adj	(24)	(11)	NM

Source: Pareto

Ticker	GFTG.DE, GFT GY
Sector	Software & Services
Shares fully diluted (m)	26.3
Market cap (EURm)	217
Net debt (EURm)	51
Minority interests (EURm)	0
Enterprise value 19e (EURm)	268
Free float (%)	64

Performance



Source: Factset

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Quarterly review

Exhibit 1: GFT – FY'18 review based on preliminary numbers

GFT Technologies		Actual			Pareto		Consensus	
		2017	2018	yoy	2018	Delta	2018	Delta
Revenues	EURm	419	413	(1)%	407	1%	414	(0)%
EBITDA	"	33	37	12%	38	(1)%	38	(2)%
EBITDA Margin	%	8.0%	9.1%	111 BP	9.2%	-18 BP	9.3%	-19 BP
EBT	EURm	18.1	22.6	25%	22.5	1%	23.2	(2)%
EBT Margin	%	4.3%	5.5%	116 BP	5.5%	-4 BP	5.6%	-12 BP

Source: Pareto, Company data, Factset

The recently acquired V-Neo group has delivered stronger than expected growth; attractive dividend yield of 3.6%

V-Neo acquisition delivers growth; high CF and stable dividend

All in all, GFT's FY'18 results were in line with expectations. Nevertheless, GFT's shares immediately declined c. 8% on the back of a subdued outlook (see below). On the bright side, the recently acquired V-Neo delivered good EUR 8.6m to the FY'18 result, which was above our expectations (EUR 7m) and management guidance (EUR 7m). The company should continue to experience solid demand, as V-Neo is an expert in implementing the currently well-demanded P&C insurance solution Guidewire (Factset consensus revenues CAGR 2019e-2021e: 16%).

Operating cash flow developed well in FY'18 coming in at EUR 44m, or 220% of net income. However, we expect that operating cash flow moderates somewhat in FY'19 (Pareto: EUR 28m) as positive working capital effects from FY'18 are not expected to persist. GFT's management proposes a dividend of EUR 0.3, which translates into an attractive dividend yield of 3.6% compared to the larger peers in GFT's universe (maximum of 1.8%).

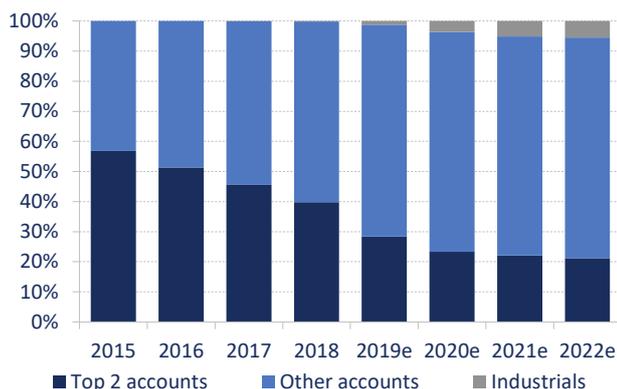
The outlook is once again clouded by declining business with GFT's largest customer

Deutsche Bank remains obstacle to growth, impact to decrease

Despite stronger targeted revenues growth outside the top two clients (+20% yoy), GFT's management targets an only moderate increase in revenue to EUR 420m in FY'19 (+1.6% yoy). The reason, as in the last two periods, is budget restrictions at GFT's largest customer Deutsche Bank, which is expected to generate 30% less revenues in FY'19 (EUR 114m).

As in the previous year, GFT's management indicated that the decline in business shall be compensated by redirecting resources into other, more sustainable and growing accounts. But, last year GFT decided to maintain business relationships with its most important customer, which unexpectedly increased budgets in Q1'18 again. This year, however, we got the impression that business with Deutsche Bank is truly lost on a large scale. The redirection of consulting resources will be associated with some idle time of consultants, which will put pressure on the margins in Q1, while restructuring measures to accelerate new business will burden margins in Q2, such that overall H1'19 should see some margin pressure over FY'18. Going forward, however, the dependency on Deutsche Bank business should further decline as demonstrated in the graphic on the next page.

Exhibit 2: GFT - Exposure to client groups



Source: Pareto, Company data

*Top 2 accounts are Deutsche Bank and Barclay's

Following the earnings release and the conference call, we update our estimates incorporating a somewhat faster growth of the, relatively small (EUR 17m), acquisition, a 30% / 15% decline in revenues with Deutsche Bank in FY'19 / FY'20 and organic growth outside the top 2 accounts of 17%. Higher costs for restructuring and increased sales expenses associated with the move into new customers will burden the results. At the same time, lower expected tax rates (15% / 17%) dampen the effect from lower margins to some extent.

Exhibit 3: Changes to our estimates

GFT Technologies	2019e			2020e		
	Old	New	Chg.	Old	New	Chg.
Revenues	438	409	(7)%	458	424	(8)%
EBITDA	45	33	(27)%	48	38	(21)%
EBT	29	18	(37)%	32	26	(19)%
Net result	22	15	(30)%	25	22	(11)%
EPS	0.84	0.59	(30)%	0.94	0.83	(11)%

Source: Pareto

Valuation

Exhibit 4: GFT – management guidance vs Pareto vs consensus

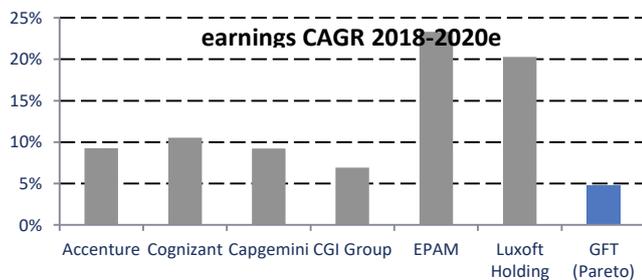
GFT Technologies	Actual FY 2018	Management guidance			Pareto		Consensus	
		2019e (currently)	Tendency	2019e	Delta	2019e	Delta	
Revenues EURm	413	420	=	409	3%	420	0%	
EBITDA "	37	33	=	33	nm	35	nm	
EBT "	22.6	18	=	18	(1)%	20	(8)%	

Source: Pareto, Company data, Factset

GFT still trades at a significant discount to peer group, which might be warranted by slower growth and profitability, for now. However, the declining exposure to Deutsche Bank will impair GFT's growth less and less. Ex-top 2 clients, GFT's topline grew 15% p.a. over the 2015-2018 period, while the top 2 accounts declined by 8% annually. Therefore, with an interim year in 2019, we expect slower growth compared to the peer group as depicted in the graph below, which explains that GFT trades at a discount to its peer group. Looking forward, we expect EPS growth to accelerate to 12% again over the 2020e-2022e period.

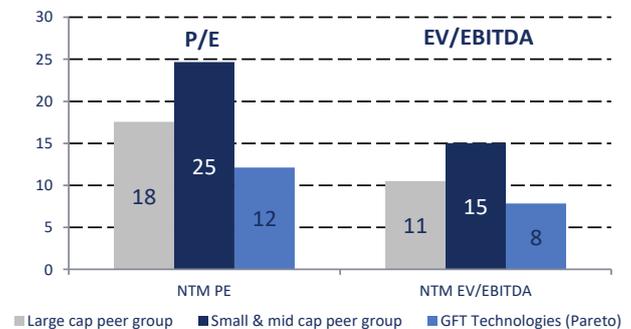
Higher earnings growth should enable multiple expansion, eventually. We think that GFT's shares should have upside up until its 5-yr historical P/E or historical discount to peer group (both at around 16x NTM P/E), which translates into ~EUR 13.80 based on next-24-months EPS. Rolling our model forward, we apply a multiple of 14x in anticipation of returning earnings growth on a 24-months horizon. Correspondingly, we derive our 12months price target of EUR 12. This is equivalent to our result from our DCF analysis (see next page).

Exhibit 5: GFT 2018-2020e EPS CAGR vs peer group



Source: Pareto, Factset

Exhibit 6: GFT – valuation vs peer group



Source: Pareto, Factset

Exhibit 7: DCF analysis

EUR m	Phase I					Phase II					Phase III
	2019e	2020e	2021e	2022e	2023e	2024e	2025e	2026e	2027e	2028e	
Revenues	409	424	448	467	486	505	523	539	554	567	
<i>growth rate</i>	-0.9%	3.6%	5.6%	4.2%	4.2%	3.9%	3.5%	3.1%	2.7%	2.4%	
EBITDA	33	38	43	46	50	51	52	53	54	55	
<i>EBITDA margin</i>	8.0%	8.9%	9.6%	10.0%	10.2%	10.1%	10.0%	9.9%	9.8%	9.7%	
EBIT	20	28	33	37	40	42	43	44	45	45	
<i>EBIT margin</i>	4.8%	6.5%	7.5%	8.0%	8.3%	8.3%	8.2%	8.1%	8.1%	8.0%	
Tax	-3.0	-4.6	-6.0	-7.4	-10.9	-11.3	-11.6	-11.8	-12.1	-12.2	
<i>Tax rate</i>	15%	17%	18%	20%	27%	27%	27%	27%	27%	27%	
Depr. & Amort.	13.0	10.0	9.6	9.3	9.1	9.1	9.2	9.3	9.5	9.7	
<i>% of sales</i>	3.2%	2.4%	2.1%	2.0%	1.9%	1.8%	1.8%	1.7%	1.7%	1.7%	
Capex	-6.1	-6.4	-6.7	-7.0	-7.3	-8.3	-9.0	-9.5	-9.9	-10.2	
<i>% of sales</i>	1.5%	1.5%	1.5%	1.5%	1.5%	1.7%	1.7%	1.8%	1.8%	1.8%	
Change in NWC	-0.5	-5.0	-9.2	-4.0	-4.1	-3.9	-3.7	-3.4	-3.1	-2.8	
<i>% of sales</i>	0.1%	1.2%	2.1%	0.9%	0.9%	0.8%	0.7%	0.6%	0.6%	0.5%	
Free Cash Flow	23.1	21.8	21.0	28.0	27.2	27.2	27.7	28.4	29.2	29.9	457.7
<i>growth rate</i>	nm	-5.7%	-3.7%	33.4%	-2.9%	0.1%	1.8%	2.5%	2.7%	2.3%	2.0%
Present Value FCF	21.6	18.7	16.6	20.4	18.2	16.8	15.7	14.8	14.0	13.2	202.5

PV Phase I	96	Risk free rate	3.5%	Targ. equity ratio	80%
PV Phase II	75	Premium Equity	5.0%	Beta	1.3
PV Phase III	203	Premium Debt	0.8%	WACC	8.7%
Enterprise value	373	Sensitivity		Growth in phase III	
- Net Debt (Cash)	56			1.0%	1.5%
- Pension Provisions	0	7.8%	12.7	13.3	14.2
- Minorities & Peripherals	0	8.2%	11.8	12.3	13.0
+ MV of financial assets	0	8.7%	10.9	11.4	12.0
- Paid-out dividends for last FY	0	9.1%	10.2	10.7	11.1
+/- Other EV items	0	9.5%	9.6	10.0	10.4
				2.5%	3.0%
				15.1	16.3
				13.8	14.7
				12.7	13.5
				11.7	12.4
				10.9	11.4
Equity value	316				
Number of shares (m)	26.3				
Value per share (€)	12.0				
Current Price (€)	8.24				
Upside	46%				

Source: Pareto

PROFIT & LOSS (fiscal year) (EURm)	2014	2015	2016	2017	2018	2019e	2020e	2021e
Revenues	365	374	423	419	413	409	424	448
EBITDA	35	45	32	33	37	33	38	43
Depreciation & amortisation	(7)	(10)	(12)	(15)	(13)	(13)	(10)	(10)
EBIT	28	34	20	19	25	20	28	33
Net interest	(1)	(2)	(2)	(2)	(2)	(2)	(2)	(1)
Other financial items	-	-	(1)	(1)	0	-	-	-
Profit before taxes	27	33	17	16	23	18	26	32
Taxes	(7)	(6)	(9)	(0)	(3)	(3)	(4)	(6)
Minority interest	-	-	-	-	-	-	-	-
Net profit	20	25	9	16	20	15	22	26
EPS reported	0.76	0.96	0.33	0.60	0.76	0.59	0.83	0.99
EPS adjusted	0.76	0.96	0.33	0.65	0.76	0.64	0.83	0.99
DPS	0.25	0.30	0.30	0.30	0.30	0.30	0.30	0.30
BALANCE SHEET (EURm)	2014	2015	2016	2017	2018	2019e	2020e	2021e
Tangible non current assets	18	26	31	29	58	52	49	47
Other non-current assets	131	147	144	136	148	147	146	146
Other current assets	115	106	128	135	121	122	128	139
Cash & equivalents	38	47	62	72	62	76	88	100
Total assets	302	327	366	373	389	396	412	432
Total equity	100	124	117	115	127	135	149	167
Interest-bearing non-current debt	34	83	86	106	118	118	118	118
Interest-bearing current debt	46	1	18	5	-	-	-	-
Other Debt	114	111	136	137	134	135	136	138
Total liabilities & equity	302	327	366	373	389	396	412	432
CASH FLOW (EURm)	2014	2015	2016	2017	2018	2019e	2020e	2021e
Cash earnings	51	38	34	20	33	28	32	36
Change in working capital	(36)	5	(15)	3	12	(1)	(5)	(9)
Cash flow from investments	(68)	(32)	(17)	(9)	(53)	(6)	(6)	(7)
Cash flow from financing	43	(3)	13	(3)	(1)	(8)	(8)	(8)
Net cash flow	(9)	9	15	10	(10)	14	13	12
CAPITALIZATION & VALUATION (EURm)	2014	2015	2016	2017	2018	2019e	2020e	2021e
Share price (EUR end)	12.4	31.6	20.5	13.0	6.7	8.2	8.2	8.2
Number of shares end period	26	26	26	26	26	26	26	26
Net interest bearing debt	42	36	42	39	56	42	30	18
Enterprise value	376	876	590	391	241	268	255	243
EV/Sales	1.0	2.3	1.4	0.9	0.6	0.7	0.6	0.5
EV/EBITDA	10.9	19.7	18.6	11.7	6.4	8.2	6.8	5.7
EV/EBIT	13.4	25.6	29.9	20.8	9.8	13.6	9.2	7.3
P/E reported	16.4	32.8	63.0	21.8	8.8	14.0	9.9	8.3
P/E adjusted	16.4	32.8	63.0	20.2	8.8	12.9	9.9	8.3
P/B	3.3	6.7	4.6	3.0	1.4	1.6	1.5	1.3
FINANCIAL ANALYSIS & CREDIT METRICS	2014	2015	2016	2017	2018	2019e	2020e	2021e
ROE adjusted (%)	21.3	22.5	7.1	14.6	16.5	12.8	15.4	16.5
Dividend yield (%)	2.0	0.9	1.5	2.3	4.5	3.6	3.6	3.6
EBITDA margin (%)	9.5	11.9	7.5	8.0	9.1	8.0	8.9	9.6
EBIT margin (%)	7.7	9.2	4.7	4.5	6.0	4.8	6.5	7.5
NIBD/EBITDA	1.21	0.82	1.33	1.18	1.50	1.30	0.79	0.42
EBITDA/Net interest	34.12	26.17	18.13	21.13	17.43	22.29	24.98	29.33

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Appendix A

Disclosure requirements pursuant to the Norwegian Securities Trading Regulations section 3-10 (2) and section 3-11 (1), letters a-b

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

Companies	No. of shares	Holdings in %	Companies	No. of shares	Holdings in %
Helgeland Sparebank	2,008,203	9.62%	SpareBank 1Østfold Akersl	1,139,560	9.20%
Pareto Bank ASA	10,842,964	18.50%	Sparebanken Vest	4,506,060	7.63%

Pareto Securities AS or its affiliates own as determined in accordance with Section 13(d) of the US Exchange Act, 1% or more of the equity securities of:

Companies	No. of shares	Holdings in %	Companies	No. of shares	Holdings in %
Helgeland Sparebank	2,008,203	9.62%	SpareBank 1SMN	1,879,292	1.45%
NHST Media Group AS	21,475	1.85%	SpareBank 1Østfold Akersl	1,139,560	9.20%
Pareto Bank ASA	10,842,964	18.50%	Sparebanken Møre	311,739	3.15%
Selvaag Bolig ASA	2,174,147	2.32%	Sparebanken Sør	460,589	2.94%
SpareBank 1BV	1,557,140	2.48%	Sparebanken Vest	4,506,060	7.63%
SpareBank 1Nord-Norge	1,045,659	1.04%			

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	Company	Analyst holdings*	Total holdings	Company	Analyst holdings*	Total holdings
AF Gruppen	0	1,675	Helgeland Sparebank	0	1,700	Protector Forsikring	0	14,685
Aker	0	682	Høegh LNG	0	7,203	REC Silicon	0	157,742
Aker BP	0	5,050	Jæren Sparebank	0	500	SailMar	0	130
Aker Solutions	0	1,825	Komplett Bank	0	99,934	Sandnes Sparebank	0	17,282
AKVA Group	0	1,500	Kongsberg Gruppen	0	5,901	Scatec Solar	0	35,635
Archer	0	72,770	KWS Saat	15	15	Sadrill	0	8,661
Atea	0	450	Lerøy Seafood	0	33,795	Selvaag Bolig	0	5,000
Austevoll Seafood	0	5,780	Magseis Fairfield	0	12,879	SpareBank 1BV	0	17,700
Avance Gas	0	4,595	Monobank	0	1,355,000	SpareBank 1Nord-Norge	0	30,000
Axactor	0	15,933	Mowi	0	1,864	SpareBank 1SMN	0	16,590
Bonheur	0	46,709	Nordic Semiconductor	0	6,000	SpareBank 1SR-Bank	0	34,187
Borr Drilling	0	4,415	Norsk Hydro	0	113,795	SpareBank 1Østlandet	0	4,041
BWLPG	0	5,569	Northern Drilling	0	6,060	Sparebanken Møre	0	6,550
DNB	0	35,072	Norwegian Air Shuttle	0	6,536	Sparebanken Sør	0	43,280
DNO	0	29,377	Norwegian Property	0	150,000	Sparebanken Øst	0	3,000
Entra	0	14,362	Ocean Yield	0	32,967	Storebrand	0	5,005
Equinor	0	10,101	Odjell Drilling	0	8,649	Subsea 7	0	7,484
Europris	0	12,150	Orkla	0	24,026	Telenor	0	2,075
Flex LNG	0	11,825	Panoro Energy	0	5,670	TGS-NOPEC	0	2,050
Frontline	0	13,793	Pareto Bank	0	967,091	XXL	0	10,696
Gjensidige Forsikring	0	8,623	Petroleum Geo-Services	0	60,134	Yara International	0	19,786
Golden Ocean Group	0	1,824	Prosafe	0	5,984	Zenterio	0	78,865
Grieg Seafood	0	770						

This overview is updated monthly (last updated 19.02.2019).

*Analyst holdings refer to positions held by the Pareto Securities AS analyst covering the company.

Appendix B

Disclosure requirements pursuant to the Norwegian Securities Trading Regulation § 3-11, letters e-f, ref the Securities Trading Act Section 3-10

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:

Africa Energy	Floatel	Okea AS
Akva Group	Fortum	OkeanisEco Tankers
APC Forsikringsmæglere A/S	Gfinity Plc	Pandion Energy
Arnarlax	Gulf Keystone Petroleum	Panoro Energy
Atlantic Sapphire AS	Hertha BSC GmbH	Pareto Bank
Avida Holding AB	Hunter Group	Petro Matad Limited
Bank Norwegian	Ice Group	Petroleum Geo-Services
Bluewater Holding	Instabank	Pioneer Public Properties Finland Oy
Borealis Finance	Jactel AS	Point Resources AS
Borr Drilling Limited	Klaveness Ship Holding	Quant AB
Brado AB	Lundin Petroleum	Rødovre Port Holding A/S
Camanchaca	Magseis	Sand Hill Petroleum
DNO ASA	McDermott International	SAS
DOFASA	Monobank ASA	Scatec Solar
Dof Subsea AS	Nemaska Lithium	Scorpio Tankers
Echo Energy	NGEX Resources	Shamaran
Eco Atlantic Oil and Gas	Northern Drilling	Sparebank 1 Østlandet
Eidesvik Offshore	Northmill Group AB	SpareBank 1 Buskerud-Vestfold
Eland Oil & Gas	Norwegian Air Shuttle	Sparebanken Vest
FFS Bidco	Ocean Yield	Union Maritime Limited
Filo Mining Corp	Odfjell	Vantage Drilling
Flex LNG	Odfjell Drilling	

This overview is updated monthly (this overview is for the period 31.01.2018 – 31.01.2019).

Appendix C

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

Distribution of recommendations

Recommendation	% distribution
Buy	68%
Hold	27%
Sell	4%

Distribution of recommendations (transactions*)

Recommendation	% distribution
Buy	86%
Hold	14%
Sell	0%

* Companies under coverage with which Pareto Securities Group has on-going or completed public investment banking services in the previous 12 months

This overview is updated monthly (last updated 19.02.2019).

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 Pareto 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:

Azelio	Jetpak Top Holding AB	Sedana Medical	Vostok New Ventures
Green Landscaping Holding	Magnolia Bostad	ShaM aran Petroleum	

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 universes:

Cavotec	Saltängen Property Invest	Sedana Medical	Tethys Oil
Cibus Nordic Real Estate	SciBase Holding	ShaM aran Petroleum	Vostok Emerging Finance
Isofol Medical			

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 15.02.2019).

Appendix E

Disclosure requirements pursuant to the Norwegian Securities Trading Regulation § 3-11, letter d, ref the Securities Trading Act Section 3-10

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 Energy *	Freenet	Merkur Bank	SCOUT24
Aixtron *	Gesco *	MLP *	Siemens Healthineers AG
Baywa	GFT Technologies *	MOBOTIX AG	SMT Scharf AG *
Biotest *	Gigaset *	OVB Holding AG	Surteco Group *
Brenntag	Heidelberg Pharma *	Procredit Holding *	Szygy AG *
CORESTATE Capital Holding S.A.	Hypoport AG	PSI SOFTWARE AG *	TAKKT AG
Demire	Intershop Communications AG	PWO *	Vapiano
Epigenomics AG*	Logwin *	RIB Software *	va-Q-tec *
Euromicron AG *	Manz AG *	S&T AG *	Viscom *
Eyemaxx Real Estate	MAX Automation SE *	Schaltbau Holding AG	windeln.de

* The designated sponsor services include a contractually agreed provision of research services.

Appendix F

Disclosure requirements pursuant to the Norwegian Securities Trading Regulation § 3-11, letter g, ref the Securities Trading Act Section 3-10

Sponsored Research

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

Adler Modemaerkte	Daldrup & Söhne	Intershop Communications AG	OVB Holding AG
Baywa	Eyemaxx Real Estate	Merkur Bank	Schaltbau Holding AG
BB Biotech	First Sensor	MOBOTIX AG	Siegfried Holding AG
comdirect	Hypoport AG	OHB SE	Vapiano

This overview is updated monthly (last updated 19.02.2019).