

EUROPEAN EXCHANGE REPORT



June 2019



FESE Economics and Statistics Committee (ESC)

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ABOUT FESE

The Federation of European Securities Exchanges (FESE) represents **36 exchanges in equities, bonds, derivatives and commodities** through **19 Full Members from 30 countries**, as well as 1 Affiliate Member and 1 Observer Member.

At the end of 2018, FESE members had **8,660 companies listed on their markets**, of which 13% are foreign companies contributing towards European integration and providing broad and liquid access to Europe's capital markets. Many of our members also organise specialised markets that allow small and medium sized companies across Europe to access capital markets; 1,323 companies were listed in these specialised markets/segments in equity, increasing choice for investors and issuers. Through their Regulated Market (RM) and Multilateral Trading Facility (MTF) operations, **FESE members are keen to support the European Commission's objective of creating a Capital Markets Union.**

FOREWORD BY FESE PRESIDENT



The **European Exchange Report** is the only direct source of integrated information on Europe's exchange industry.

The Report, compiled by the Federation of European Securities Exchanges (FESE), includes a one-page statement on each member exchange operating regulated market(s) in Europe and outlines:

1. **Company information** – Contacts information, company details, services, employees, etc.
2. **Trading figures** – Comparable securities trading statistics across Europe in line with the [FESE Statistics methodology](#).
3. **Financial figures** – Detailed information on revenues, costs and net income including the analysis of services offered allowing for easy and transparent comparison of key financial data.

In line with previous years, this information was compiled on the basis of information gathered by the **FESE Economics and Statistics Committee** in cooperation with the finance and data teams of every member. The FESE Secretariat would like to thank all those that contributed to this study and especially the members of the FESE Economics and Statistics Committee.

We hope that you will find this information useful.

A handwritten signature in blue ink, appearing to read "Petr Koblík".

Petr Koblík
FESE President

FULL MEMBERS

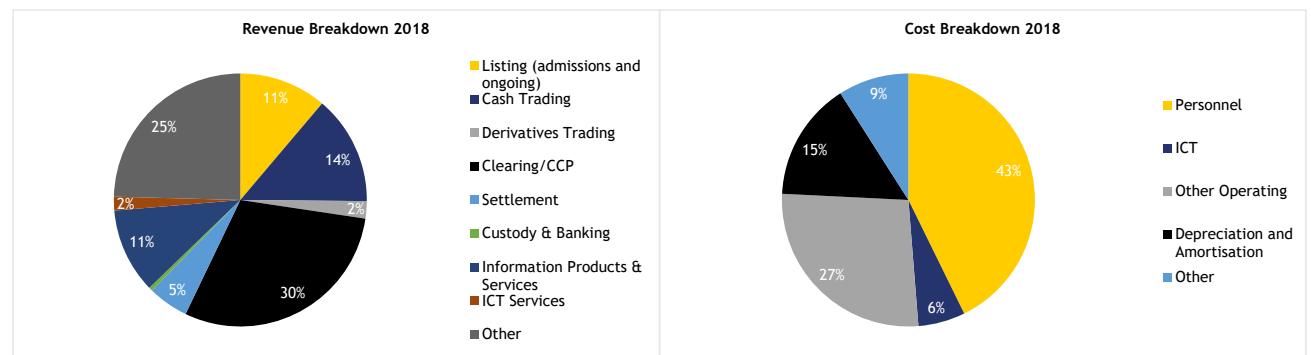
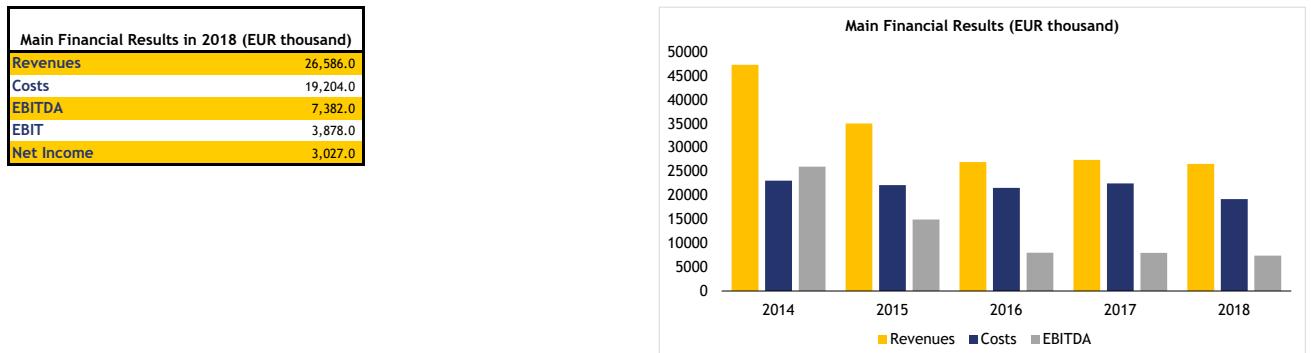
ATHENS STOCK EXCHANGE

Name	Athens Exchange	Type of Company	Joint-stock company For profit
Address	110 Athens Ave, Athens 104 42	Listed	On Athens Stock Exchange
Phone	+30 210 3366 800	Sectors	Cash EU regulated markets
Fax	+30 210 3366 607		Cash EU not regulated (exchange regulated) markets
Email	Information_Services@athexgroup.gr		Derivatives markets
Website	www.athexgroup.gr		Retail bond markets
Year Established	1876		Clearing houses / CCP services providers
Year of Current Legal Status	2000		Central Securities Depositories / Settlement
Country of Incorporation	Greece	Number of Employees	IT infrastructure and software providers
Markets Managed	Greece		Access to international securities trading
			227

Trading Figures 2018

	Equity			Securitised Derivatives		ETFs		UCITS	
	Electronic Order Book	Off-EOB	Reporting Transactions	Electronic Order Book	Off-EOB	Electronic Order Book	Off-EOB	Electronic Order Book	Off-EOB
Turnover (EURm)	10,774	2,427	28	0	0	9	3	155	125
Trades	4,997,273	1,713	31	0	0	527	0	66,229	64
Market Capitalisation (EURm)	33,525			-	-	-	-	858	
Listings	187			0		1		3	
	Bonds			Derivatives					
	Electronic Order Book	Off-EOB		Stock/Index Options and Futures	Bond Options and Futures	Commodities Derivatives			
Turnover (EURm)	156	7		4,489	-	-			
Trades	7,789	20		13,703,110	-	-			
Listings	46								
	Notional Turnover (EURm) Contracts Traded								

Financial Figures 2018



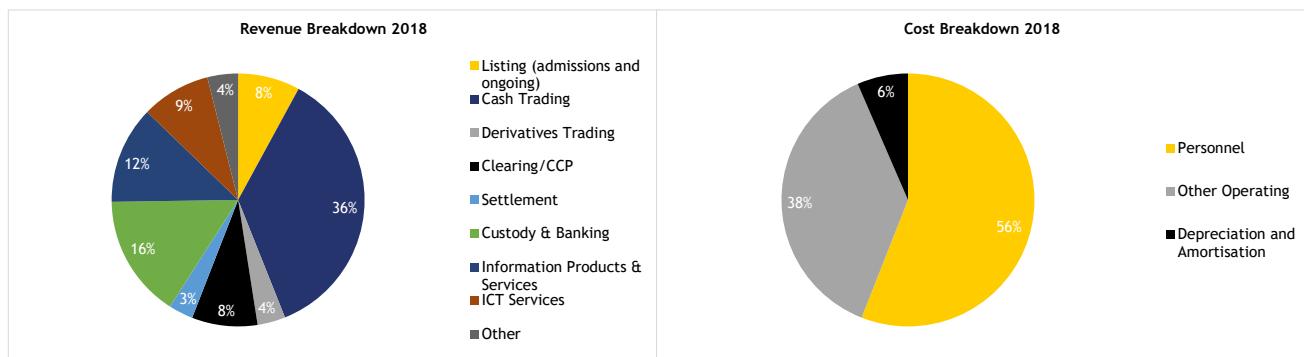
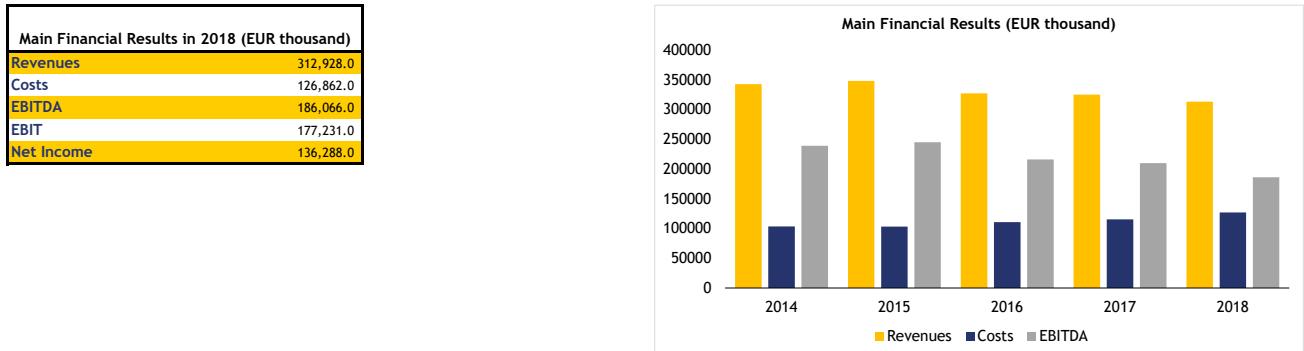
Footnotes:
Financial figures are in compliance with IAS.

Name	BME	Type of Company	Joint-stock company For profit On BME Cash EU regulated market
Address	Plaza de la Lealtad 1, 28014 Madrid	Listed	Cash EU not regulated (exchange regulated) markets
Phone	+34 91 709 50 00	Sectors	Derivatives markets
Fax	+34 91 709 57 09		Wholesale bond markets
Email	info@grupobme.es		Clearing houses / CCP services providers
Website	www.bolsasymercados.es		Central Securities Depositories / Settlement
Year Established	1831		IT infrastructure and software providers
Year of Current Legal Status	2006		Market data distribution / Consulting Services
Country of Incorporation	Spain	Number of Employees	770
Markets Managed	Spain		

Trading Figures for 2018

	Equity			Securitised Derivatives		ETFs		UCITS	
	Electronic Order Book	Off-EOB	Reporting Transactions	Electronic Order Book	Off-EOB	Electronic Order Book	Off-EOB	Electronic Order Book	Off-EOB
Turnover (EURm)	548,577	36,041	0	456	0	3,026	0	-	-
Trades	44,027,992	112,026	0	0	0	0	0	-	-
Market Capitalisation (EURm)	632,289			-		-		-	-
Listings	3,007			2,428		6		2,736	
Bonds									
	Electronic Order Book	Off-EOB							
Turnover (EURm)	193,806	4,188,791							
Trades	45,403	323,558							
Listings	3,080								
Derivatives									
	Stock/Index Options and Futures	Bond Options and Futures	Commodities Derivatives						
Notional Turnover (EURm)	683,242	-	-						
Contracts Traded	43,502,212	-	-						

Financial Figures for 2018



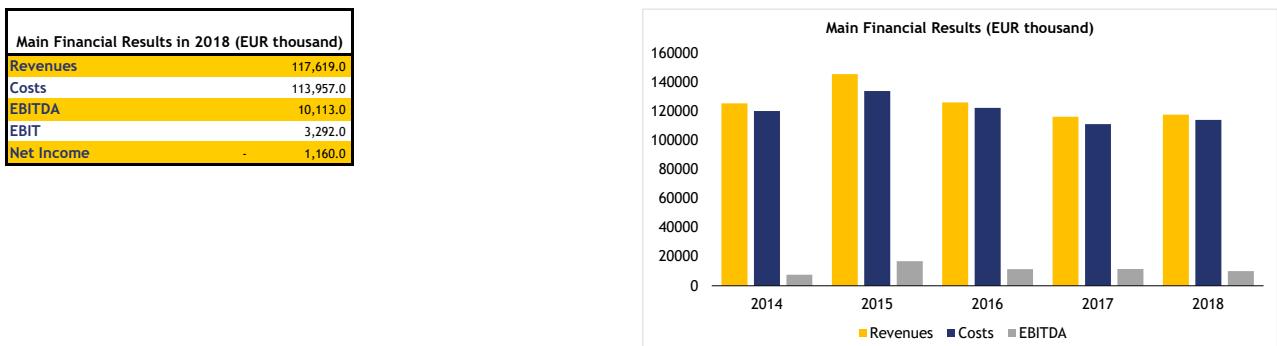
Footnotes:
Financial figures are in compliance with IFRS.

Name	Boerse Stuttgart GmbH	Type of Company	Corporation (Association)
Address	Börsenstraße 4, 70174 Stuttgart	Listed	For profit
Phone	+49 (0)711 222 985 0	Sectors	No
Fax	+49 (0)711 222 985 555		Cash EU regulated markets
Email	info@boerse-stuttgart.de		Cash EU not regulated (exchange regulated) markets
Website	www.boerse-stuttgart.de		Securitized derivatives markets
Year Established	1861		Retail bond markets
Year of Current Legal Status	2015		
Country of Incorporation	Germany	Number of Employees	301
Markets Managed	Germany, Sweden, Switzerland		

Trading Figures for 2018

	Equity			Securitised Derivatives		ETFs		UCITS						
	Electronic Order Book	Off-EOB	Reporting Transactions	Electronic Order Book	Off-EOB	Electronic Order Book	Off-EOB	Electronic Order Book	Off-EOB					
Turnover (EURm)	16,192	-	-	36,073	-	9,864	0	1,513	0					
Trades	1,647,235	-	-	4,309,389	-	270,119	0	65,633	0					
Market Capitalisation (EURm)	-	-	-	1,687,216	-	-	-	-	-					
Listings	-	-	-	-	-	1,587	-	1,703	-					
<hr/>														
					<hr/>									
Bonds		Derivatives												
Turnover (EURm)		Notional Turnover (EURm)												
Trades	11,273	Contracts Traded												
Listings	203,399	-												
-		-												
25,984		-												

Financial Figures for 2018



Footnotes:

Financial figures are in compliance with German HGB.

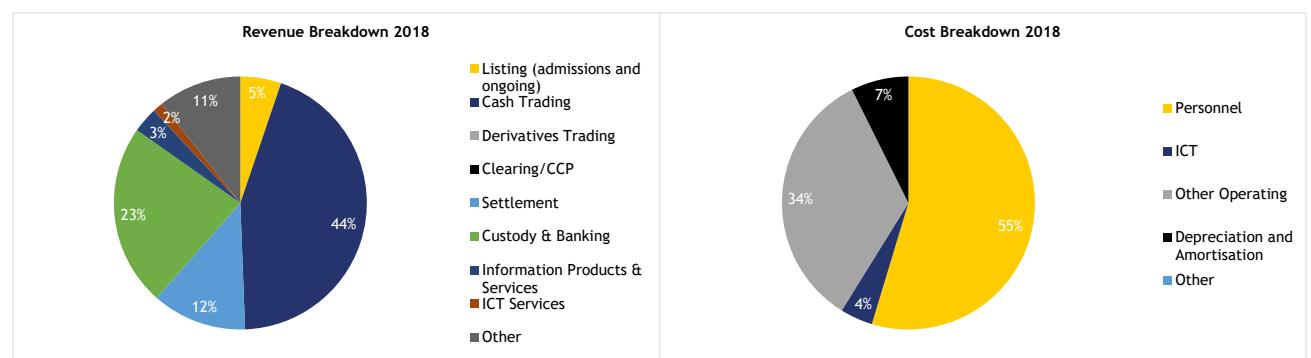
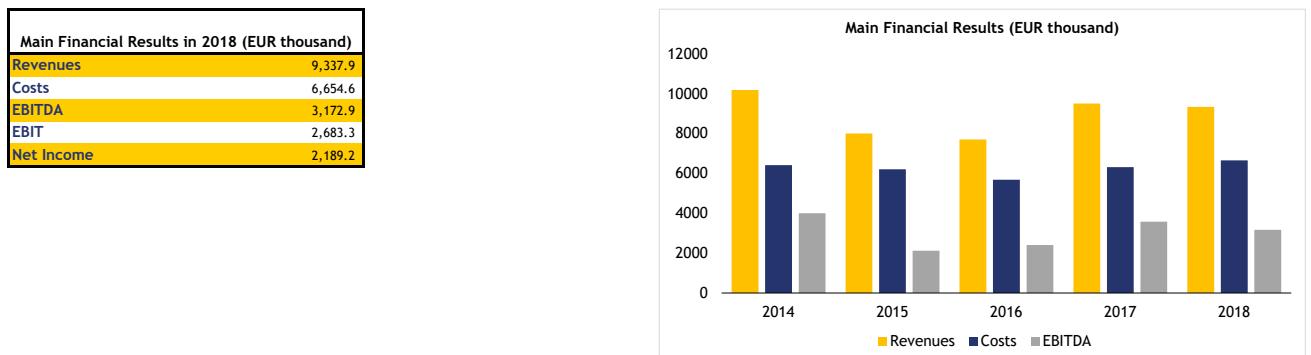
BUCHAREST STOCK EXCHANGE

Name	Bucharest Stock Exchange	Type of Company	Joint-stock company For profit
Address	Bd.Carl I, 34-36, etaj 14,020922, Bucuresti	Listed	On Bucharest Stock Exchange
Phone	(+40) (21) 307 95 00	Sectors	Cash EU regulated markets
Fax	(+40) (21) 307 95 19		Cash EU not regulated (exchange regulated) markets
Email	foreignaffairs@bvb.ro		Derivatives, wholesale and retail bond markets
Website	www.bvb.ro		Clearing houses / CCP services providers
Year Established	1995		Central Securities Depositories / Companies managing settlement
Year of Current Legal Status	2005		Corporate Governance Institute Foundation
Country of Incorporation	Romania	Number of Employees	Access to international securities trading
Markets Managed	Romania		103

Trading Figures 2018

	Equity			Securitised Derivatives		ETFs		UCITS	
	Electronic Order Book	Off-EOB	Reporting Transactions	Electronic Order Book	Off-EOB	Electronic Order Book	Off-EOB	Electronic Order Book	Off-EOB
Turnover (EURm)	2,133	285	876	72	0	1	0	1	0
Trades	534,245	339	4,890	74,306	0	1,736	0	854	3
Market Capitalisation (EURm)	18,160			-		-		8	
Listings	87			125		1		2	
Bonds									
Turnover (EURm)	Electronic Order Book	Off-EOB	Derivatives						
	4	26	Stock/Index Options and Futures	Bond Options and Futures	Commodities Derivatives	-	-	-	-
Trades	690	19	Notional Turnover (EURm)						
Listings	9		Contracts Traded						

Financial Figures 2018



Footnotes:

Financial figures are in compliance with IFRS.

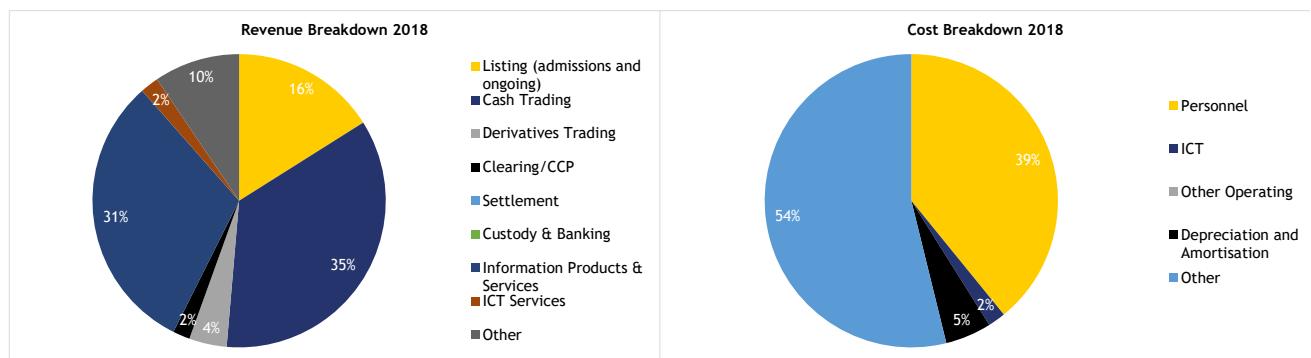
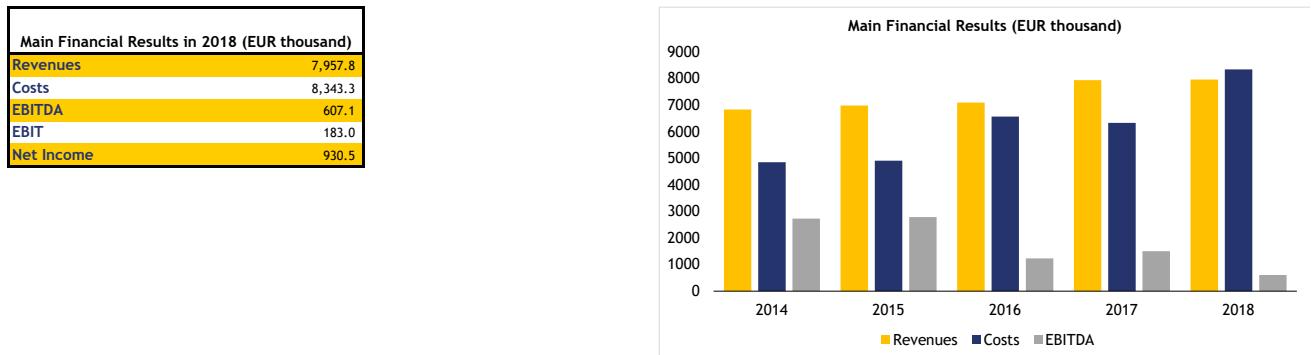
BUDAPEST STOCK EXCHANGE

Name	Budapest Stock Exchange	Type of Company	Joint-stock company For profit
Address	H - 1054 Budapest, Szabadság tér 7	Listed	Traded OTC regularly
Phone	+36 1 429 6700	Sectors	Cash EU regulated market
Fax	+36 1429 6800		Derivatives markets
Email	info@bse.hu		Xtend MTF (SME market)
Website	www.bse.hu		BÉTa MTF (global shares and ETFs trading)
Year Established	1990		
Year of Current Legal Status	2002		
Country of Incorporation	Hungary		
Markets Managed	Hungary	Number of Employees	63

Trading Figures for 2018

	Equity			Securitised Derivatives		ETFs		UCITS	
	Electronic Order Book	Off-EOB	Reporting Transactions	Electronic Order Book	Off-EOB	Electronic Order Book	Off-EOB	Electronic Order Book	Off-EOB
Turnover (EURm)	8,674	58	1,947	296	-	2	0	17	0
Trades	1,675,559	130	408	204,801	-	601	0	7,988	0
Market Capitalisation (EURm)	25,231			-		-		568	
Listings	43			146		1		75	
<hr/>									
	Bonds		Derivatives						
	Electronic Order Book	Off-EOB	Stock/Index Options and Futures	Bond Options and Futures	Commodities Derivatives				
Turnover (EURm)	189	0	1,492	-	0				
Trades	422	0	596,858	-	2				
Listings	101								

Financial Figures for 2018



Footnotes:

Financial figures are in compliance with Hungarian GAAP.

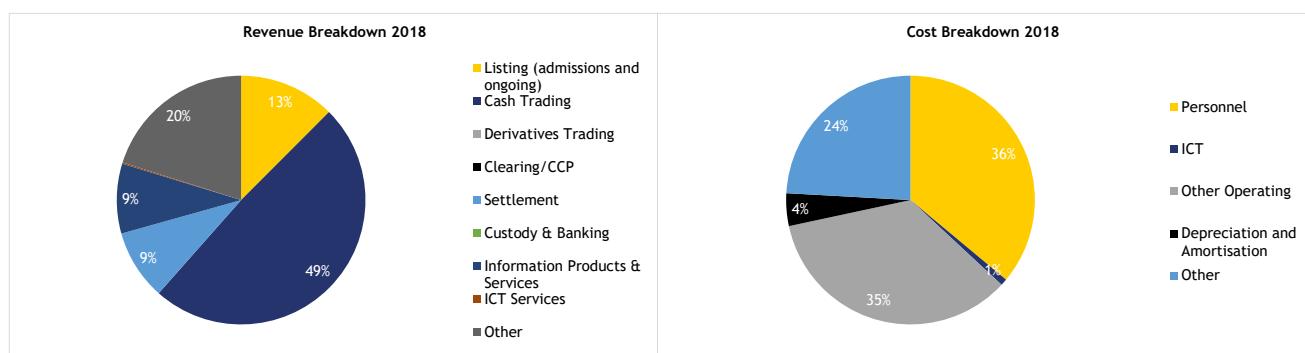
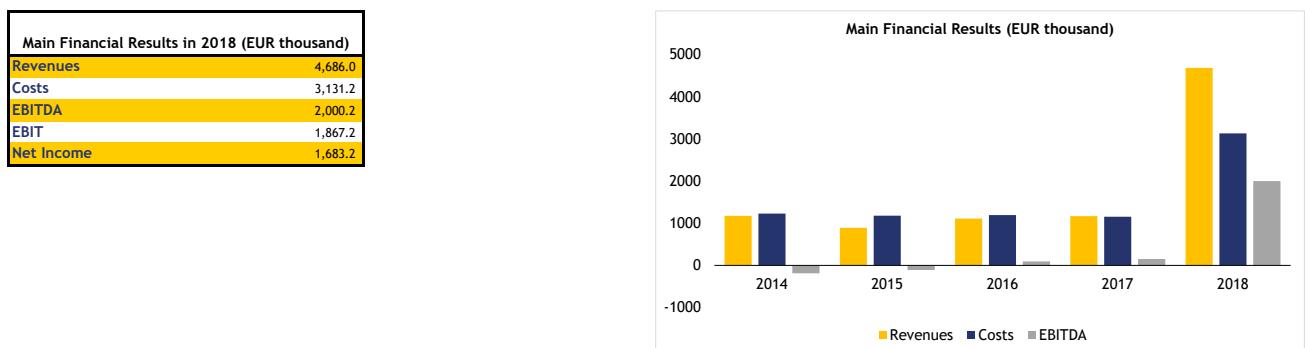
BULGARIAN STOCK EXCHANGE

Name	Bulgarian Stock Exchange	Type of Company	Joint-stock company For profit
Address	6 Tri ushi St., 1000 Sofia	Listed	On a regulated market managed by itself
Phone	+359(0)2 937 09 34	Sectors	Cash EU regulated markets
Fax	+359(0)2 937 09 46		
Email	bse@bse-sofia.bg		
Website	http://www.bse-sofia.bg/		
Year Established	1991		
Year of Current Legal Status	1991		
Country of Incorporation	Bulgaria		
Markets Managed	Bulgaria	Number of Employees	25

Trading Figures for 2018

	Equity			Securitised Derivatives		ETFs		UCITS	
	Electronic Order Book	Off-EOB	Reporting Transactions	Electronic Order Book	Off-EOB	Electronic Order Book	Off-EOB	Electronic Order Book	Off-EOB
Turnover (EURm)	184	0	2	0	0	1	0	1	0
Trades	49,322	0	8	18	0	860	0	66	0
Market Capitalisation (EURm)	13,685			-		-		2	
Listings	274			2		11		3	
	Bonds			Derivatives					
	Electronic Order Book	Off-EOB		Stock/Index Options and Futures	Bond Options and Futures	Commodities Derivatives			
Turnover (EURm)	51	0		-	-	-			
Trades	339	0		-	-	-			
Listings	85								
	Notional Turnover (EURm)						Contracts Traded		

Financial Figures for 2018



Footnotes:
Financial figures are in compliance with IFRS.

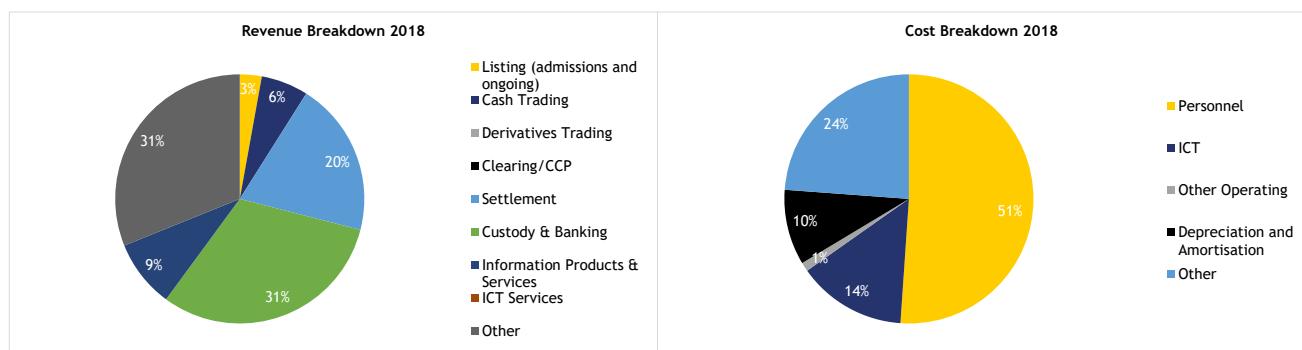
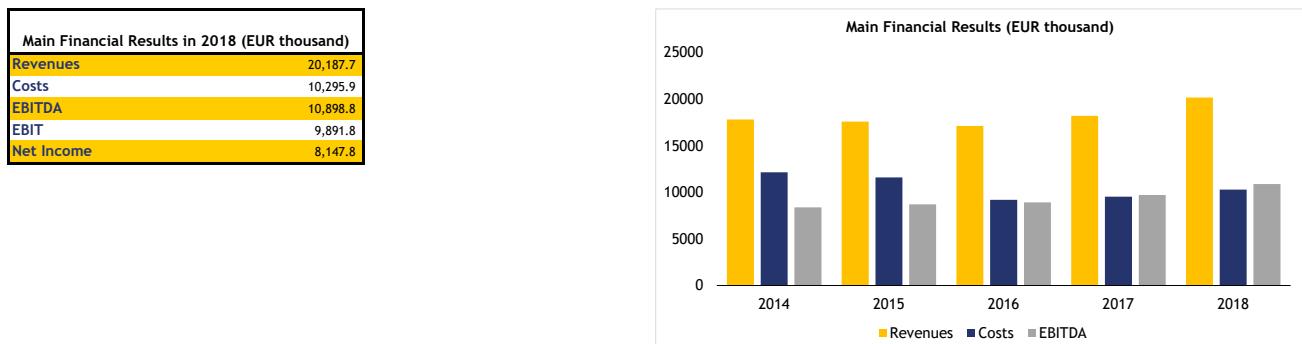
CEESEG – PRAGUE STOCK EXCHANGE

Name	Prague Stock Exchange	Type of Company	Joint-stock company For profit No
Address	Rybna 14 110 05 Prague 1	Listed	Cash EU regulated markets
Phone	+420 221 831 111	Sectors	Cash EU not regulated (exchange regulated) markets
Fax	-		Derivatives markets
Email	info@pse.cz		Clearing houses / CCP services providers
Website	www.pse.cz		Central Securities Depositories
Year Established	1993		Companies managing settlement
Year of Current Legal Status	1993		
Country of Incorporation	Czech Republic	Number of Employees	77
Markets Managed	Czech Republic		

Trading Figures for 2018

	Equity			Securitised Derivatives		ETFs		UCITS	
	Electronic Order Book	Off-EOB	Reporting Transactions	Electronic Order Book	Off-EOB	Electronic Order Book	Off-EOB	Electronic Order Book	Off-EOB
Turnover (EURm)	5,552	-	-	5	-	0	-	2	-
Trades	705,619	-	-	2,293	-	0	-	16	-
Market Capitalisation (EURm)	23,574	-	-	-	-	-	-	977	-
Listings	54	-	-	72	-	3	-	35	-
Bonds		Derivatives							
Electronic Order Book		Stock/Index Options and Futures		Bond Options and Futures		Commodities Derivatives			
Turnover (EURm)	359	-	-	-	-	-	-	-	-
Trades	3,626	-	-	-	-	-	-	-	-
Listings	112	-	-	-	-	-	-	-	-

Financial Figures for 2018



Footnotes:

Financial figures are in compliance with IFRS.

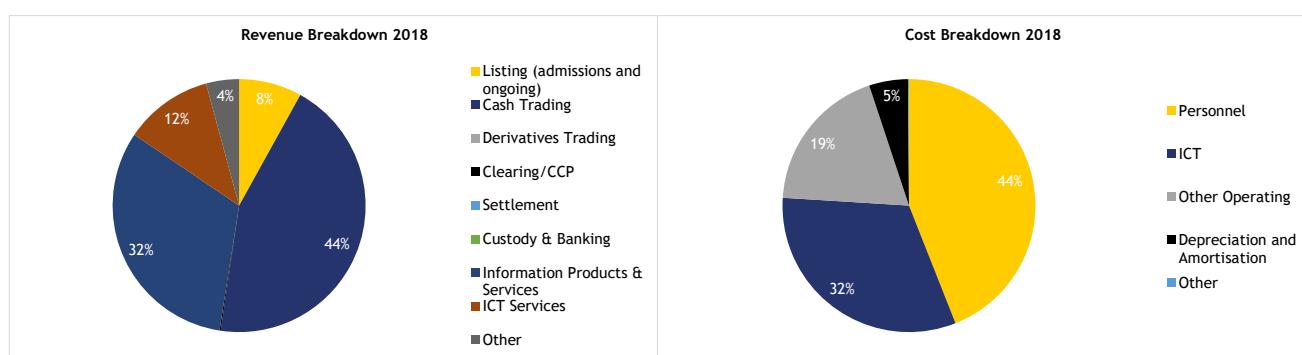
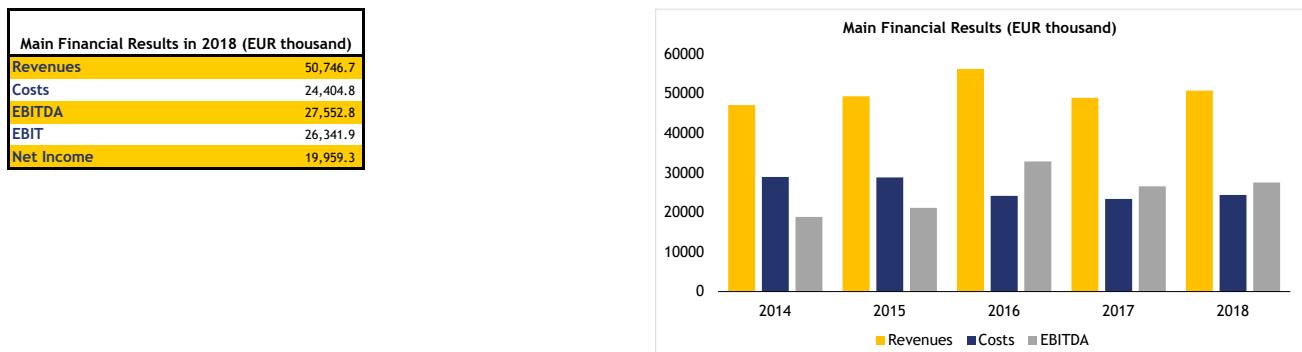
CEESEG – VIENNA STOCK EXCHANGE

Name	Vienna Stock Exchange	Type of Company	Joint-stock company For profit
Address	Wallnerstraße 8 Box 192, A-1010 Vienna	Listed	Traded OTC regularly
Phone	+43 1 531 65-0	Sectors	Cash EU regulated market
Fax	+43 1 532 97 40		Cash EU not regulated (exchange regulated) markets
Email	info@wienerbörse.at		Wholesale bond markets
Website	www.wienerbörse.at		Retail bond markets
Year Established	1771		Clearing houses / CCP services providers
Year of Current Legal Status	1997		
Country of Incorporation	Austria	Number of Employees	97
Markets Managed	Austria		

Trading Figures for 2018

	Equity			Securitised Derivatives		ETFs		UCITS	
	Electronic Order Book	Off-EOB	Reporting Transactions	Electronic Order Book	Off-EOB	Electronic Order Book	Off-EOB	Electronic Order Book	Off-EOB
Turnover (EURm)	35,220	-	-	347	-	24	-	0	-
Trades	5,565,691	-	-	26,600	-	1,892	-	0	-
Market Capitalisation (EURm)	102,050	-	-	-	-	-	-	-	-
Listings	677	-	-	7,537	-	97	-	1	-
Bonds					Derivatives				
Electronic Order Book		Off-EOB		Stock/Index Options and Futures		Bond Options and Futures		Commodities Derivatives	
Turnover (EURm)	318	0	-	-	-	-	-	-	-
Trades	15,126	0	-	-	-	-	-	-	-
Listings	3,622	-	-	-	-	-	-	-	-
Notional Turnover (EURm)									
Contracts Traded									

Financial Figures for 2018



Footnotes:

Financial figures are in compliance with Local GAAP.

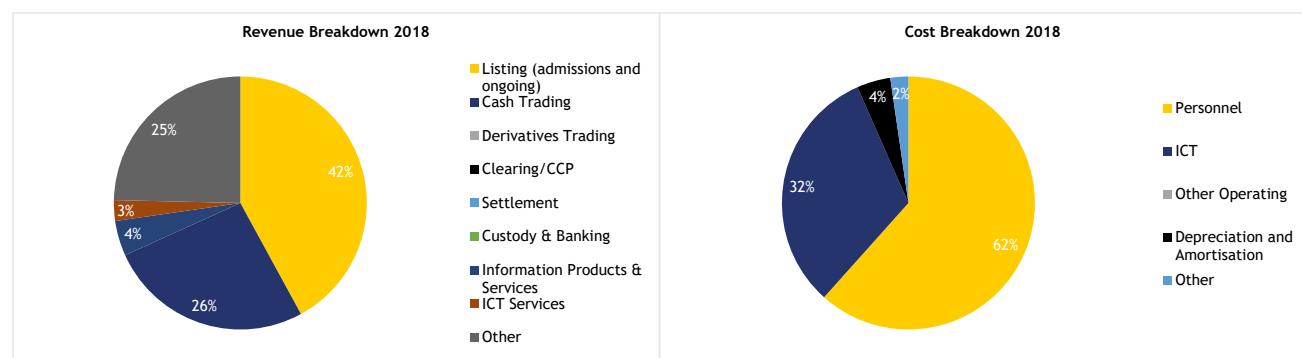
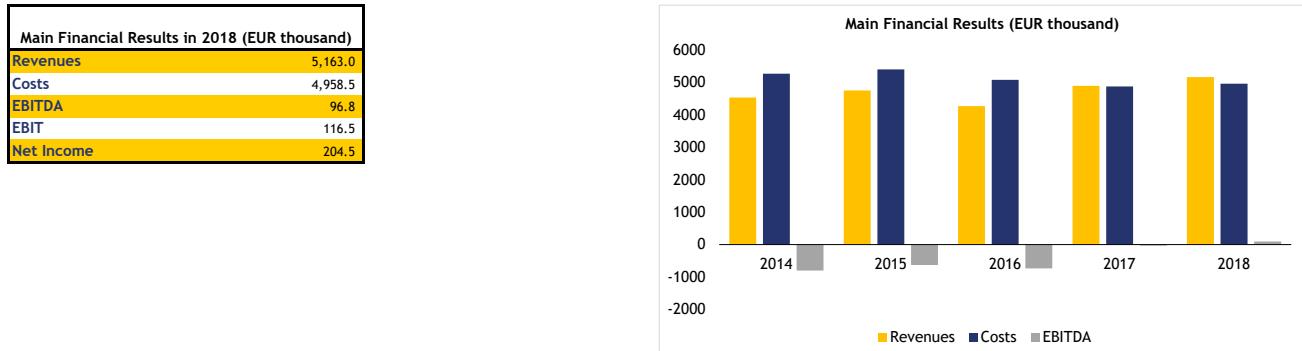
CYPRUS STOCK EXCHANGE

Name	Cyprus Stock Exchange 71-73 Lordou Vironos Avenue, 1096, Nicosia 1309	Type of Company	Public sector (State) entity Not for profit No
Address		Listed Sectors	Cash EU regulated markets Cash EU not regulated (exchange regulated) markets Retail bond markets Central Securities Depositories / Companies managing settlement IT infrastructure and software providers
Phone	+357 22 712300		
Fax	+357 22 570308		
Email	info@cse.com.cy		
Website	www.cse.com.cy		
Year Established	1993		
Year of Current Legal Status	1996		
Country of Incorporation	Cyprus	Number of Employees	66
Markets Managed	Greece		

Trading Figures 2018

	Equity		Securitised Derivatives		ETFs		UCITS		
	Electronic Order Book	Off-EOB	Reporting Transactions	Electronic Order Book	Off-EOB	Electronic Order Book	Off-EOB	Electronic Order Book	
Turnover (EURm)	49	46	6	-	-	-	-	7	
Trades	24,261	115	516	-	-	-	-	1,653	
Market Capitalisation (EURm)	2,895	-	-	-	-	-	-	115	
Listings	102	-	-	-	-	-	-	0	
Bonds		Derivatives		Contracts Traded		Notional Turnover (EURm)		-	
Turnover (EURm)	1	38	Stock/Index Options and Futures	-	-	-	-	-	
Trades	156	3	Bond Options and Futures	-	-	-	-	-	
Listings	55	-	Commodities Derivatives	-	-	-	-	-	

Financial Figures 2018



Footnotes:

Financial figures are in compliance with IFRS.

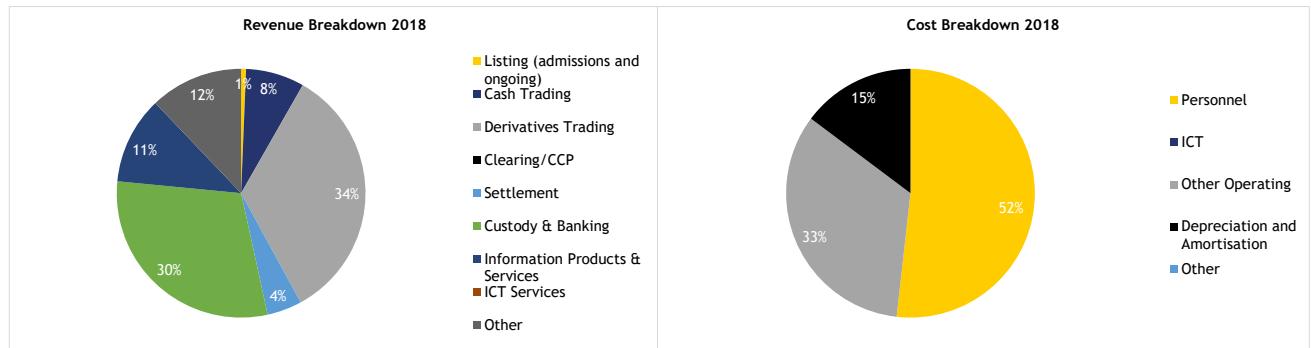
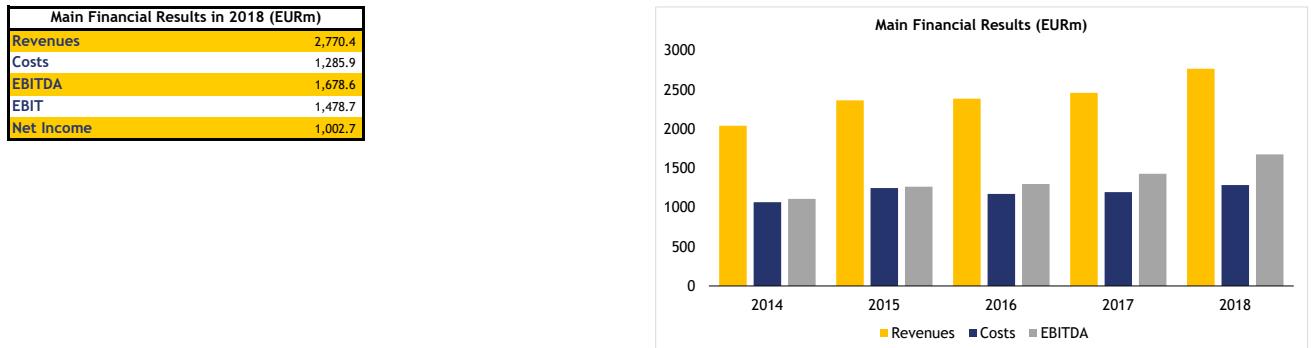
DEUTSCHE BÖRSE AG

Name	Deutsche Börse AG	Type of Company	Joint-stock company For profit On Frankfurt Stock Exchange
Address	Mergenthalerallee 61, 65760 Eschborn - Germany	Listed	Cash EU regulated market
Phone	+49 (0) 69 2 11 0	Sectors	Cash EU not regulated (exchange regulated) markets
Fax	+49 (0) 69 2 11 0		Derivatives markets
Email	info@deutsche-boerse.com		Retail bond market, Wholesale bond markets
Website	www.deutsche-boerse.com		Clearing houses / CCP services providers
Year Established	1585		Central Securities Depositories / Settlement companies
Year of Current Legal Status	1992		IT infrastructure and software providers
Country of Incorporation	Germany	Number of Employees	Information Services, ICSD
Markets Managed	Germany, France, Singapore, United States		Repo Market, Services for investment funds industry
			5964

Trading Figures for 2018

	Equity			Securitised Derivatives		ETFs		UCITS	
	Electronic Order Book	Off-EOB	Reporting Transactions	Electronic Order Book	Off-EOB	Electronic Order Book	Off-EOB	Electronic Order Book	Off-EOB
Turnover (EURm)	1,538,060	33,026	293,224	15,817	19,847	159,077	3,607	1,058	803
Trades	133,379,664	796,325	9,196,156	2,673,919	2,086,303	5,172,107	146,226	96,596	28,401
Market Capitalisation (EURm)	1,533,494								
Listings	514			2,108,331		1,344		2,878	
	Bonds		Derivatives						
	Electronic Order Book	Off-EOB	Stock/Index Options and Futures	Bond Options and Futures	Commodities Derivatives				
Turnover (EURm)	4,794	3,314	37,651,991	88,174,613	200,689				
Trades	265,945	31,963	1,296,765,040	628,458,940	6,264,642				
Listings	30,310								

Financial Figures for 2018



Footnotes:
Financial figures are in compliance with IFRS.

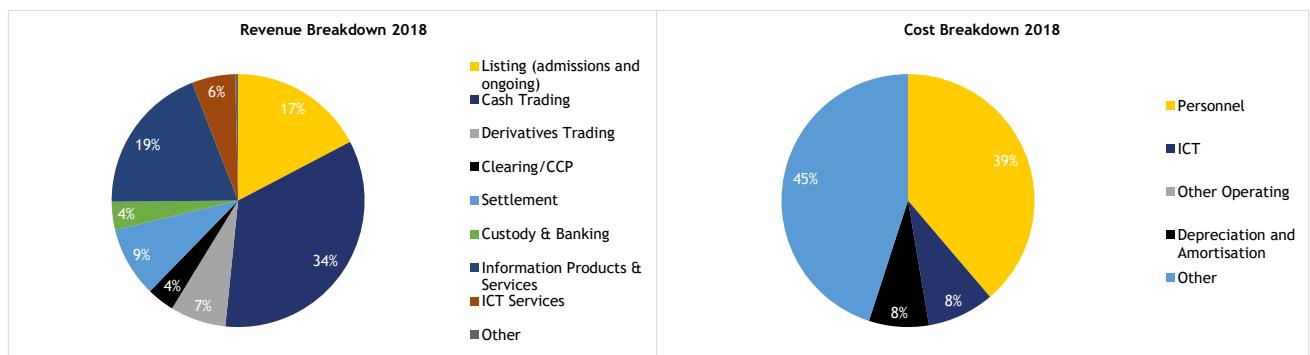
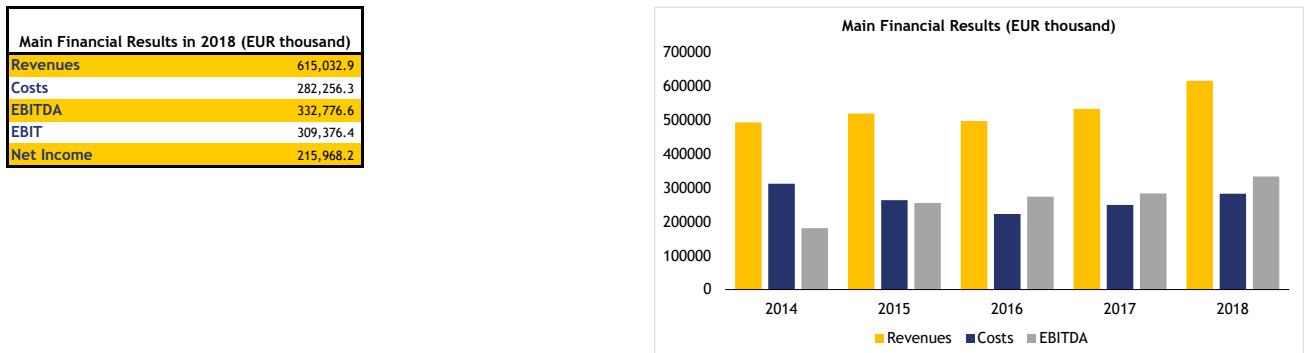
EURONEXT

Name	Euronext N.V.	Type of Company	Joint-stock company For profit
Address	14, place des Reflets 92054 Paris La Défense Cedex	Listed	On Euronext
Phone	+33 (0)1 70 48 24 00	Sectors	Cash EU regulated markets
Fax			Cash EU not regulated (exchange regulated) markets
Email	info@euronext.com		Derivatives markets
Website	www.euronext.com		Central Securities Depositories / Companies managing settlement
Year Established	2014		IT infrastructure and software providers
Year of Current Legal Status			Spot FX trading market - United States
Country of Incorporation	The Netherlands		
Markets Managed	Belgium, France, Netherlands, Portugal, United Kingdom, United States, Ireland, Sweden, Hong Kong	Number of Employees	671

Trading Figures for 2018

	Equity		Securitised Derivatives		ETFs		UCITS	
	Electronic Order Book	Off-EOB	Reporting Transactions	Electronic Order Book	Off-EOB	Electronic Order Book	Off-EOB	Electronic Order Book
Turnover (EURm)	1,864,832	45,205	820	10,669	0	67,945	1,870	10,045
Trades	224,413,488	185,067	683	3,336,627	0	2,385,372	582	169,098
Market Capitalisation (EURm)	3,259,249							
Listings	1,208			77,369		821		-
	Bonds		Derivatives					
	Electronic Order Book	Off-EOB	Electronic Order Book	Bond Options and Futures	Commodities Derivatives			
Turnover (EURm)	5,876	0	3,834,869	-	157,790			
Trades	341,085	0	134,670,434	-	14,583,707			
Listings	5,704							
	Notional Turnover (EURm)		Contracts Traded					

Financial Figures for 2018



Footnotes:

Financial figures are in compliance with IFRS.
The figures include subsidiaries.

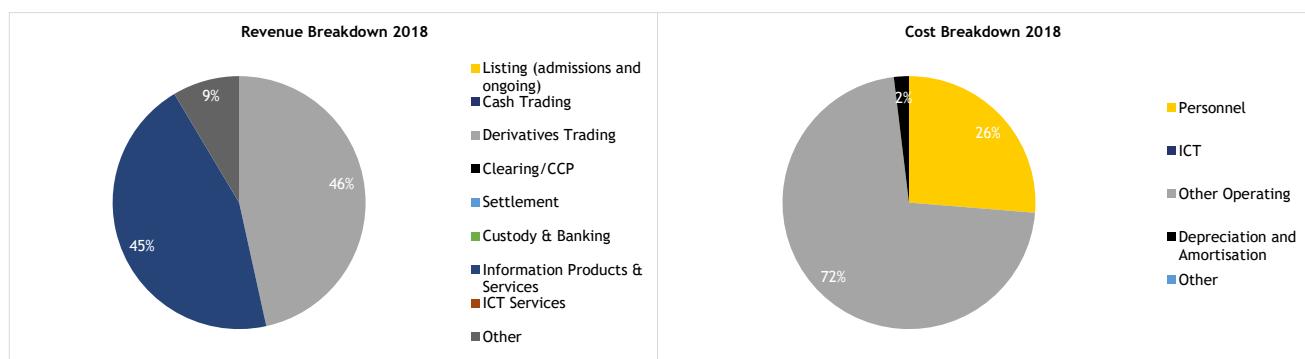
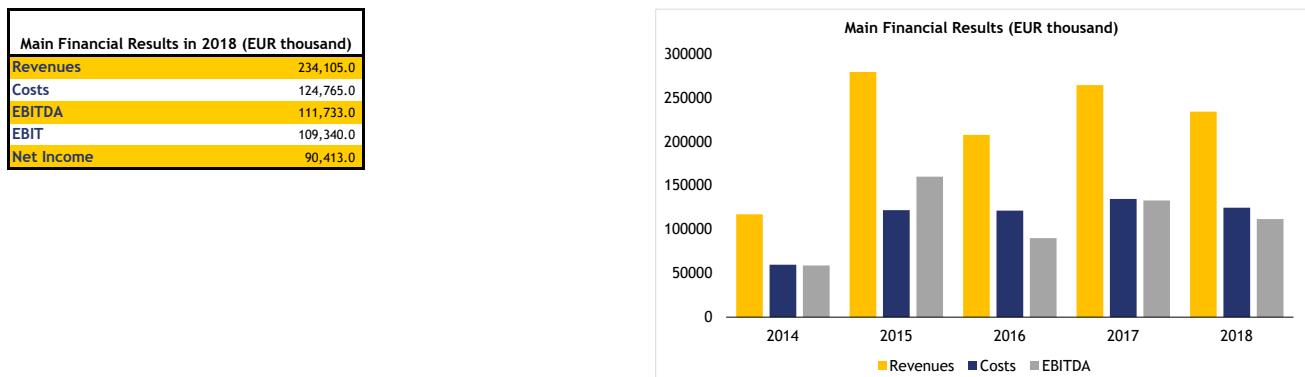
ICE FUTURES EUROPE

Name	ICE Futures Europe	Type of Company	For profit
Address	Milton Gate, 60 Chiswell Street, London EC1Y4SA	Listed	Listed on ICE managed by NYSE
Phone	+44 (0)20 7065 7700	Sectors	Futures and options for energy
Fax	+44 (0)20 7638 4964		Agricultural and financial contracts
Email	info@theice.com		
Website	www.theice.com		
Year Established	1980		
Year of Current Legal Status	2005		
Country of Incorporation	United Kingdom		
Markets Managed	United Kingdom	Number of Employees	187

Trading Figures for 2018

	Equity			Securitised Derivatives		ETFs		UCITS	
	Electronic Order Book	Off-EOB	Reporting Transactions	Electronic Order Book	Off-EOB	Electronic Order Book	Off-EOB	Electronic Order Book	Off-EOB
Turnover (EURm)	-	-	-	-	-	-	-	-	-
Trades	-	-	-	-	-	-	-	-	-
Market Capitalisation (EURm)	-	-	-	-	-	-	-	-	-
Listings	-	-	-	-	-	-	-	-	-
Bonds		Derivatives		Notional Turnover (EURm)		Contracts Traded		Stock/Index Options and Futures	
Turnover (EURm)		6,633,149		418,900,248		24,762,876		233,281,279	
Trades		598,143,704		493,383,028					
Listings									

Financial Figures for 2018



Footnotes:
Financial figures are in compliance with UK GAAP.

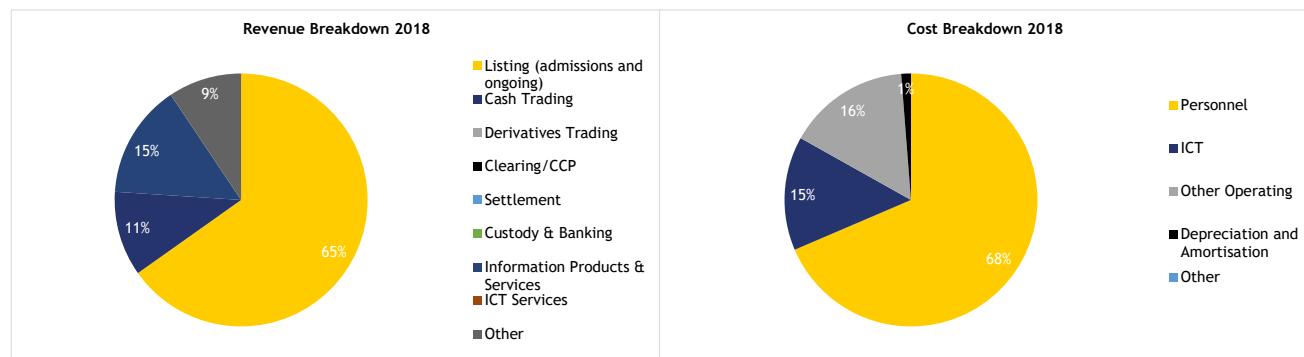
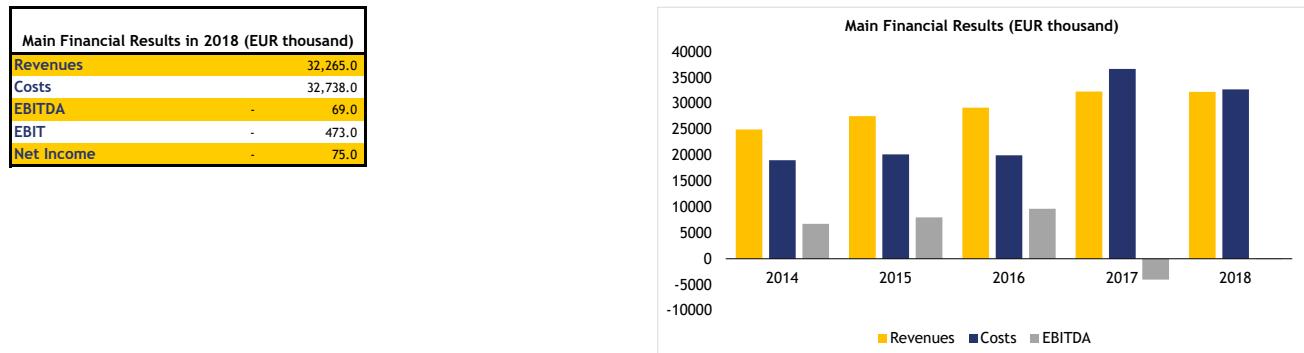
THE IRISH STOCK EXCHANGE

Name	The Irish Stock Exchange PLC	Type of Company	Mutual company (co-operative principle) For profit
Address	28 Anglesea Street Dublin 2	Listed	No
Phone	+353 (1) 617 4200	Sectors	Cash EU regulated market
Fax	+353 (1) 677 6045		Cash EU not regulated (exchange regulated) markets
Email	info@ise.ie		
Website	www.ise.ie		Listing of Equity, Debt, and Investment Funds
Year Established	1793		
Year of Current Legal Status	2014		
Country of Incorporation	Ireland		
Markets Managed	Ireland, Malta	Number of Employees	116

Trading Figures for 2018

	Equity			Securitised Derivatives		ETFs		UCITS							
	Electronic Order Book	Off-EOB	Reporting Transactions	Electronic Order Book	Off-EOB	Electronic Order Book	Off-EOB	Electronic Order Book	Off-EOB						
Turnover (EURm)	28,064	20,987	0	-	-	2	1	0	-						
Trades	3,681,557	68,091	0	-	-	136	32	0	-						
Market Capitalisation (EURm)	96,242	-	-	-	-	-	-	-	-						
Listings	54	-	-	-	-	329	-	4,813	-						
	Bonds		Derivatives												
	Electronic Order Book	Off-EOB	Stock/Index Options and Futures		Bond Options and Futures		Commodities Derivatives								
Turnover (EURm)	0	186,064													
Trades	0	52,315													
Listings	34,572	-													
Notional Turnover (EURm) Contracts Traded															

Financial Figures for 2018



Footnotes:

Financial figures are in compliance with IFRS.

Following the acquisition by Euronext of the Irish Stock Exchange (ISE) in March 2018, the ISE joined Euronext's federal model and now operates under the trading name Euronext Dublin. However, figures for 2018 in this report are still reported separately for the ISE.

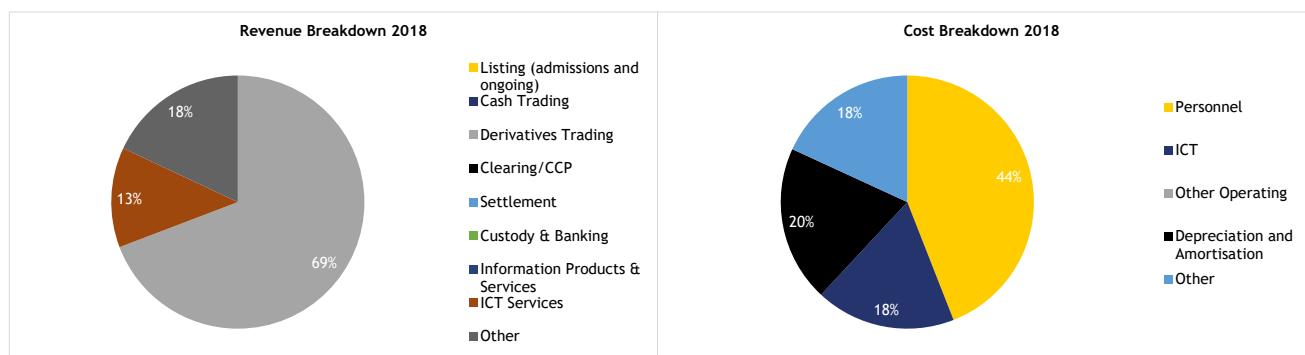
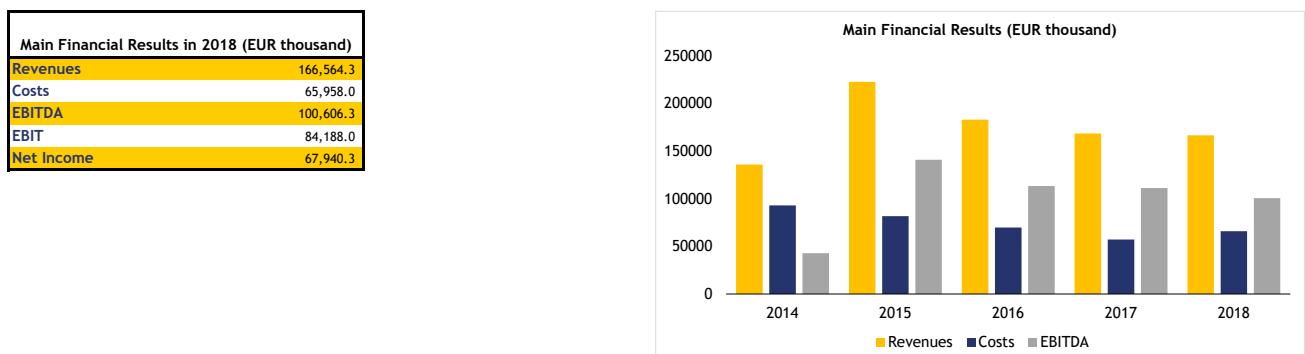
LONDON METAL EXCHANGE

Name	The London Metal Exchange	Type of Company	Joint-stock for profit company
Address	10 Finsbury Square, London EC2A 1AJ, UK	Listed	Parent Company Listed on HKEX
Phone	+44 (0)20 7113 8888	Sectors	Derivatives markets
Fax			
Email	market.data@lme.com		
Website	www.lme.com		
Year Established	1877		
Year of Current Legal Status	1987		
Country of Incorporation	United Kingdom		
Markets Managed	United Kingdom	Number of Employees	252

Trading Figures for 2018

	Equity		Securitised Derivatives		ETFs		UCITS		
	Electronic Order Book	Off-EOB	Reporting Transactions	Electronic Order Book	Off-EOB	Electronic Order Book	Off-EOB	Electronic Order Book	Off-EOB
Turnover (EURm)	-	-	-	-	-	-	-	-	-
Trades	-	-	-	-	-	-	-	-	-
Market Capitalisation (EURm)	-	-	-	-	-	-	-	-	-
Listings	-	-	-	-	-	-	-	-	-
Turnover (EURm)		Bonds		Derivatives		Notional Turnover (EURm)		Contracts Traded	
		Electronic Order Book	Off-EOB	Stock/Index Options and Futures	Bond Options and Futures	Commodities Derivatives	12,739,146	184,816,276	
Trades	-	-	-	-	-	-	-	-	-
Listings	-	-	-	-	-	-	-	-	-

Financial Figures for 2018



Footnotes:

Financial figures are in compliance with IFRS.

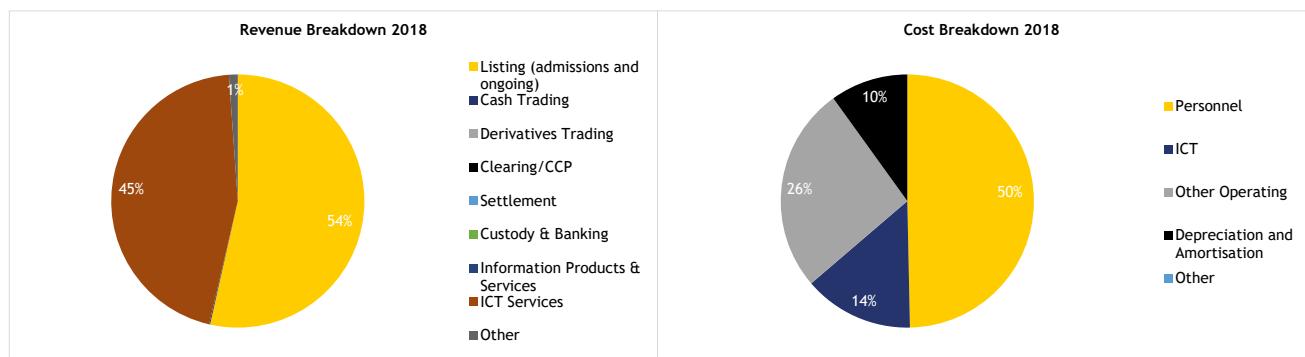
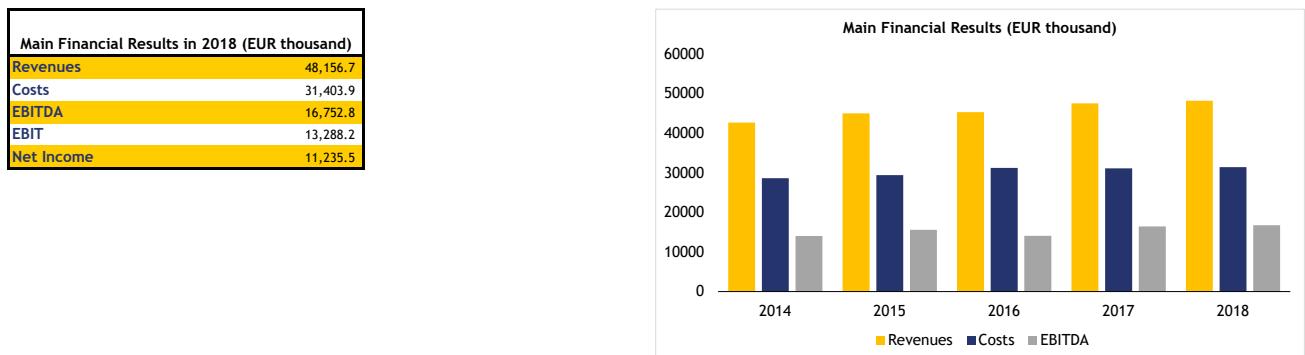
LUXEMBOURG STOCK EXCHANGE

Name	Luxembourg Stock Exchange	Type of Company	Joint-stock company For profit
Address	35A, Boulevard Joseph II, L-1840 Luxembourg	Listed	No
Phone	+352 47 79 36 1	Sectors	Cash EU regulated market
Fax	+352 47 32 98		Cash EU not regulated (exchange regulated) markets
Email	info@bourse.lu		Wholesale bond markets
Website	www.bourse.lu		Retail bond markets
Year Established	1927		IT infrastructure and software providers
Year of Current Legal Status	1928		
Country of Incorporation	Luxembourg		
Markets Managed	Luxembourg	Number of Employees	164

Trading Figures for 2018

	Equity		Securitised Derivatives		ETFs		UCITS	
	Electronic Order Book	Off-EOB	Reporting Transactions	Electronic Order Book	Off-EOB	Electronic Order Book	Off-EOB	Electronic Order Book
Turnover (EURm)	82	-	0	0	-	0	-	1
Trades	7,786	-	0	0	-	0	-	6
Market Capitalisation (EURm)	43,233	-	-	-	-	-	-	-
Listings	162	-	-	0	-	98	-	3,960
	Bonds		Derivatives					
	Electronic Order Book	Off-EOB	Stock/Index Options and Futures	Bond Options and Futures	Commodities Derivatives			
Turnover (EURm)	95	0	-	-	-	-	-	-
Trades	3,800	0	-	-	-	-	-	-
Listings	32,060	-	-	-	-	-	-	-
			Notional Turnover (EURm)		Contracts Traded			

Financial Figures for 2018



Footnotes:

Financial figures are in compliance with Luxembourg GAAP.

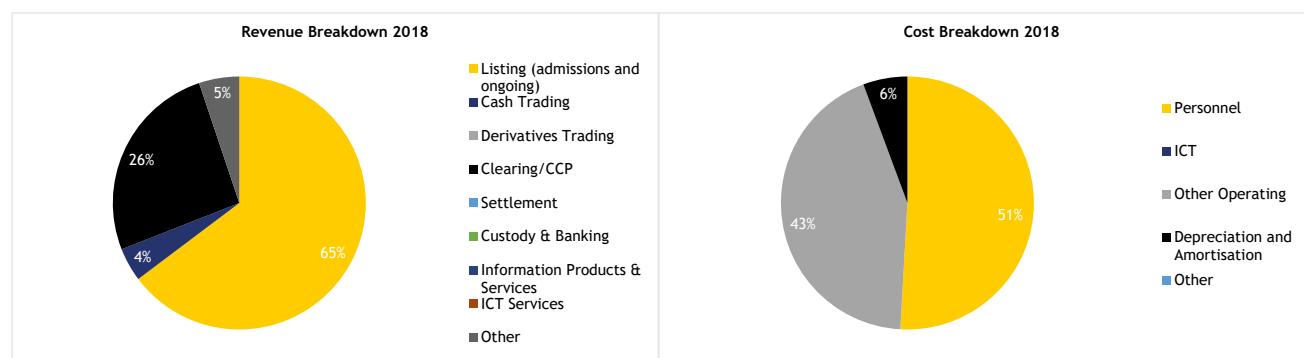
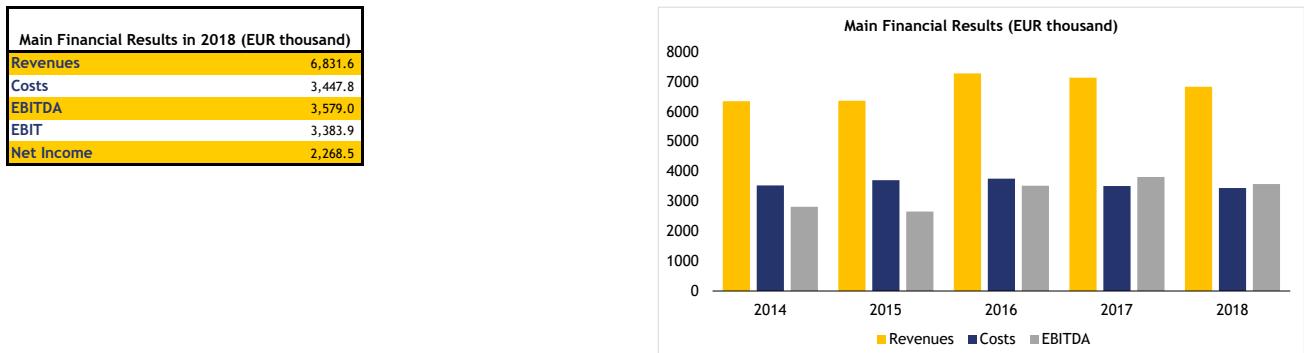
MALTA STOCK EXCHANGE

Malta Stock Exchange PLC		Type of Company	Public sector (State) entity
Address	Garrison Chapel Castille Place Valetta VLT 1063 +356 21244051	Listed Sectors	For profit No
Phone	+356 25696316		Cash EU regulated market
Fax	+356 25696316		Cash EU not regulated (exchange regulated) markets
Email	borza@borzamalta.com.mt		Wholesale bond markets
Website	www.borzamalta.com.mt		Retail bond market
Year Established	1990		Central Securities Depositories / Settlement companies
Year of Current Legal Status	2007		
Country of Incorporation	Malta		
Markets Managed	Malta	Number of Employees	54

Trading Figures 2018

	Equity		Securitised Derivatives		ETFs		UCITS		
	Electronic Order Book	Off-EOB	Reporting Transactions	Electronic Order Book	Off-EOB	Electronic Order Book	Off-EOB	Electronic Order Book	
Turnover (EURm)	86	0	0	-	-	-	-	-	
Trades	10,401	0	0	-	-	-	-	-	
Market Capitalisation (EURm)	4,414.66			-	-	-	-	-	
Listings	25			-	-	-	-	-	
	Bonds		Derivatives						
	Electronic Order Book	Off-EOB	Stock/Index Options and Futures	Bond Options and Futures	Commodities Derivatives				
Turnover (EURm)	308	0	-	-	-	-	-	-	
Trades	16,028	0	-	-	-	-	-	-	
Listings	152		-	-	-	-	-	-	
		Notional Turnover (EURm)		Contracts Traded					

Financial Figures 2018



Footnotes:

Financial figures are in compliance with IFRS.

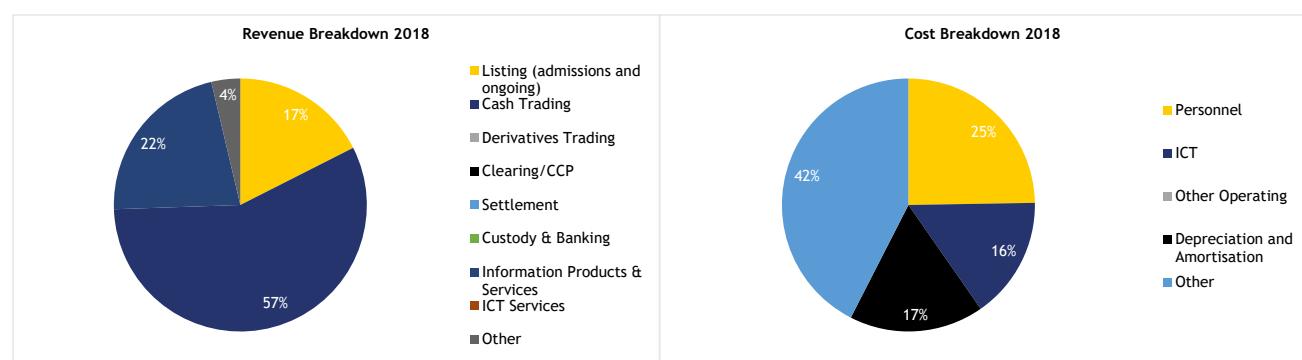
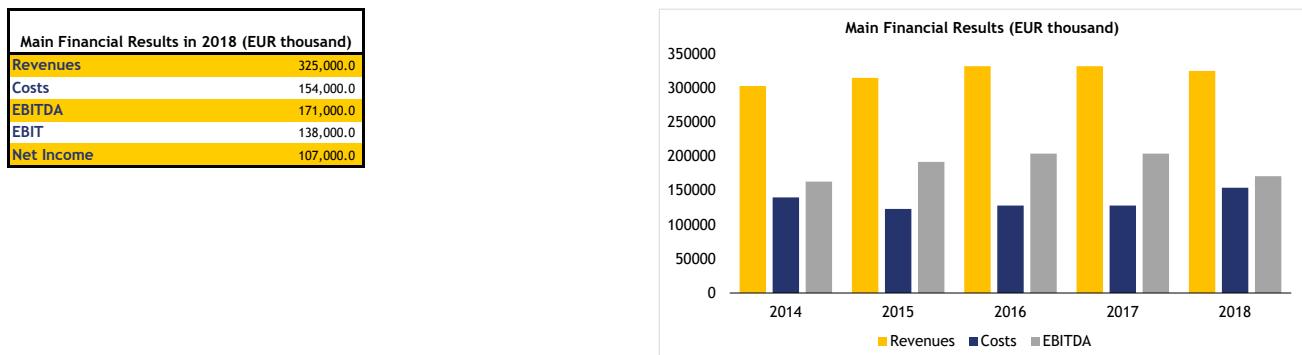
NASDAQ GROUP INC.

Name	Nasdaq Nordic Ltd	Type of Company	Joint-stock company For profit
Address	Fabianinkatu 14	Listed	Listed on a regulated market managed by itself
Phone	+358 9 616671	Sectors	Cash EU regulated market
Fax	+358 9 298 2340		Cash EU not regulated (exchange regulated) market
Email	communications@nasdaq.com		Derivatives markets
Website	www.nasdaqomxnordic.com		Wholesale bond markets
Year Established	1997		Clearing houses / CCP services providers
Year of Current Legal Status	1997		Central Securities Depositories
Country of Incorporation	Finland		Companies managing settlement
Markets Managed	Denmark, Estonia, Finland, Iceland, Latvia, Lithuania, Norway, Sweden	Number of Employees	IT infrastructure and software providers

Trading Figures 2018

	Equity			Securitised Derivatives		ETFs		UCITS	
	Electronic Order Book	Off-EOB	Reporting Transactions	Electronic Order Book	Off-EOB	Electronic Order Book	Off-EOB	Electronic Order Book	Off-EOB
Turnover (EURm)	718,565	49,438	10,679	4,762	33	7,497	1,660	8,811	9,243
Trades	152,687,248	74,082	876,007	1,759,823	293	465,162	1,116	621,981	224,923
Market Capitalisation (EURm)	1,155,746			-				59,474	
Listings	1,019			7,251		39		459	
	Bonds			Derivatives					
	Electronic Order Book	Off-EOB		Stock/Index Options and Futures		Bond Options and Futures		Commodities Derivatives	
Turnover (EURm)	53,273	184,295		757,165		2,490,312		-	
Trades	69,182	47,443		74,293,029		25,530,522		-	
Listings	7,767								
Notional Turnover (EURm) Contracts Traded									

Financial Figures 2018



Footnotes:
Financial figures are in compliance with FAS.

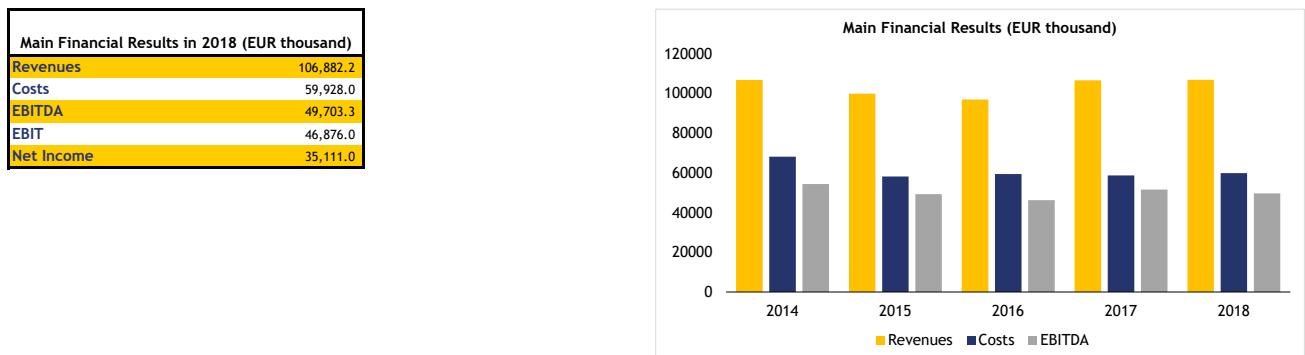
OSLO BØRS

Name	Oslo Børs VPS Holding ASA	Type of Company	Joint-stock company For profit
Address	PO.Box. 460, Sentrum N-0105 Oslo	Listed	Traded OTC regularly
Phone	+47 22 34 17 00	Sectors	Cash EU regulated market
Fax	+47 22 34 19 25		Derivatives markets
Email	communications@oslobors.no		Wholesale bond markets
Website	www.osloborsvps.no		Central Securities Depositories
Year Established	1819		Companies managing settlement
Year of Current Legal Status	2001		IT infrastructure and software providers
Country of Incorporation	Norway		
Markets Managed	Norway	Number of Employees	250

Trading Figures for 2018

	Equity			Securitised Derivatives		ETFs		UCITS	
	Electronic Order Book	Off-EOB	Reporting Transactions	Electronic Order Book	Off-EOB	Electronic Order Book	Off-EOB	Electronic Order Book	Off-EOB
Turnover (EURm)	123,861	12,050	1	762	0	2,160	-	-	-
Trades	31,436,768	17,456	21	174,231	6	166,225	-	-	-
Market Capitalisation (EURm)	232,614	-	-	-	-	-	-	-	-
Listings	0	-	-	19	-	4	-	-	-
	Bonds		Derivatives						
	Electronic Order Book	Off-EOB	Stock/Index Options and Futures		Bond Options and Futures		Commodities Derivatives		
Turnover (EURm)	14,086	602,729	63,382		-		-		-
Trades	1,035	32,253	6,096,669		-		-		-
Listings	-	-							

Financial Figures for 2018



Footnotes:

Financial figures are in compliance with IFRS.

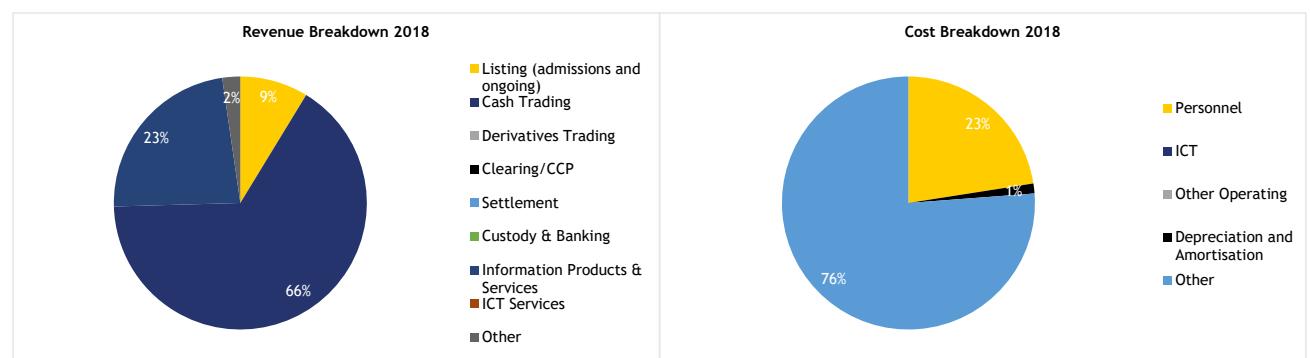
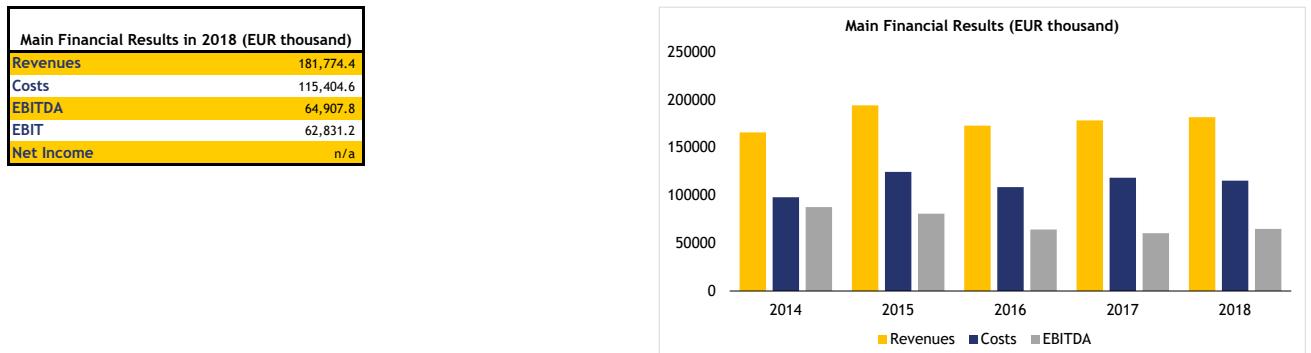
SIX SWISS EXCHANGE

Name	SIX SIX Swiss Exchange Hardturmstrasse 201, 8005 Zurich	Type of Company	Joint-stock company For profit No Cash regulated market Derivatives markets (securitised derivatives) Retail bond markets CCP, Central Securities Depository and Custodian Services IT infrastructure and software providers Data vending, credit card solutions and electronic payment processing
Address		Listed Sectors	
Phone			
Fax			
Email	statistics@six-group.com		
Website	www.six-group.com/exchanges		
Year Established	1993		
Year of Current Legal Status	2008		
Country of Incorporation	Switzerland		
Markets Managed	Switzerland	Number of Employees	129

Trading Figures 2018

	Equity			Securitised Derivatives		ETFs		UCITS	
	Electronic Order Book	Off-EOB	Reporting Transactions	Electronic Order Book	Off-EOB	Electronic Order Book	Off-EOB	Electronic Order Book	Off-EOB
Turnover (EURm)	814,830	10,100	112,247	10,062	2,956	53,519	33,366	5,071	558
Trades	57,250,640	3,372	40,510	595,524	21,679	1,058,643	6,232	284,501	846
Market Capitalisation (EURm)	1,254,719							n/a	
Listings	270			35,436		1,340		38	
	Bonds			Derivatives					
	Electronic Order Book	Off-EOB		Stock/Index Options and Futures	Bond Options and Futures	Commodities Derivatives			
Turnover (EURm)	15,564	41,883							
Trades	284,881	35,540							
Listings	3,681								
	Notional Turnover (EURm) Contracts Traded								

Financial Figures 2018



Footnotes:

Financial figures are in compliance with IFRS.

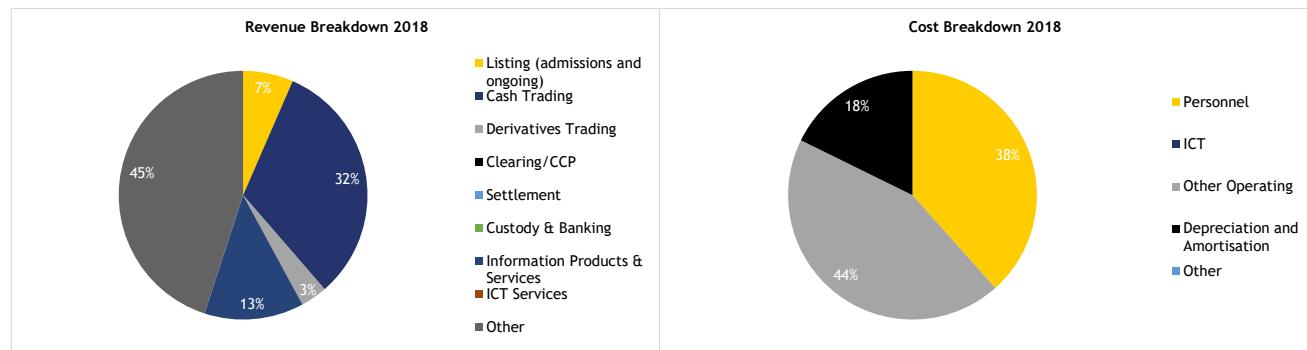
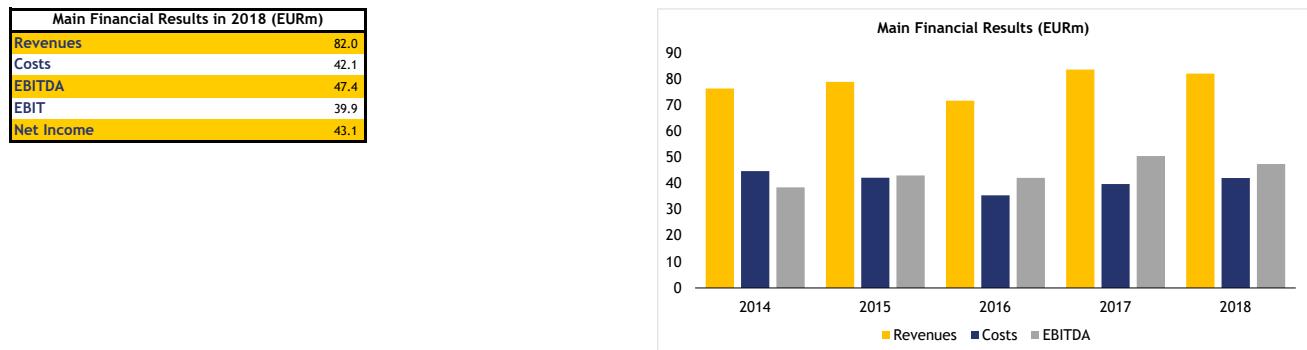
WARSAW STOCK EXCHANGE

Name	Warsaw Stock Exchange (GPW)	Type of Company	Joint-stock company For profit
Address	Ksiazeca 4, 00-498 Warsaw	Listed	Listed on a regulated market managed by itself
Phone	+48 22 628 32 32	Sectors	Cash EU regulated market
Fax	+48 22 628 17 54		Cash EU not regulated (exchange regulated) markets
Email	gpw@gpw.pl		Derivatives markets
Website	www.gpw.pl		Wholesale bond markets
Year Established	1991		Retail bond markets
Year of Current Legal Status	1991		Clearing houses / CCP services providers
Country of Incorporation	Poland	Number of Employees	Commodity exchange / Commodity clearing house
Markets Managed	Poland		363

Trading Figures for 2018

	Equity			Securitised Derivatives		ETFs		UCITS	
	Electronic Order Book	Off-EOB	Reporting Transactions	Electronic Order Book	Off-EOB	Electronic Order Book	Off-EOB	Electronic Order Book	Off-EOB
Turnover (EURm)	48,311	2,643	0	207	0	35	0	17	0
Trades	18,807,488	1,887	0	106,037	0	16,119	0	7,349	0
Market Capitalisation (EURm)	140,113			-		-		429	
Listings	851			1,151		3		33	
Bonds		Derivatives							
Turnover (EURm)		Electronic Order Book	Off-EOB	Stock/Index Options and Futures		Bond Options and Futures		Commodities Derivatives	
Turnover (EURm)	511	95		52,187		202		-	
Trades	87,173	103		6,119,121		1		-	
Listings	575								
Notional Turnover (EURm)									
Contracts Traded									

Financial Figures for 2018



Footnotes:
Financial figures are in compliance with IAS/IFRS.

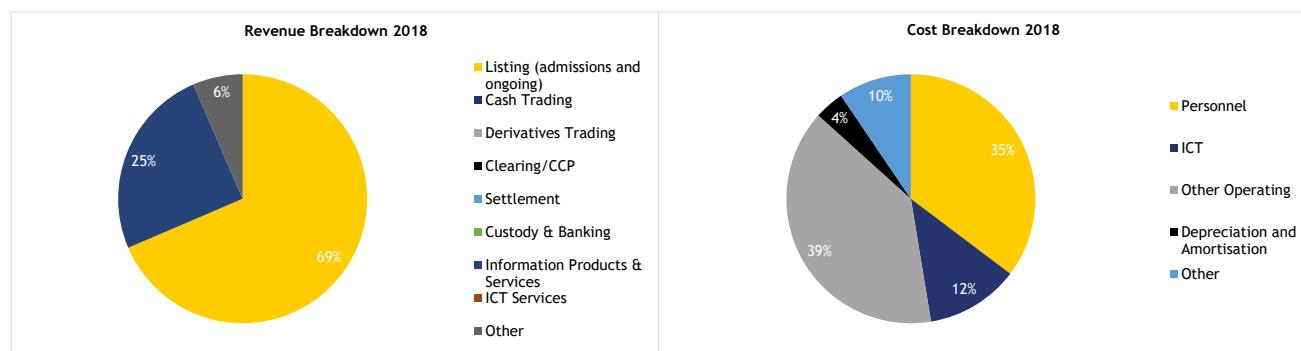
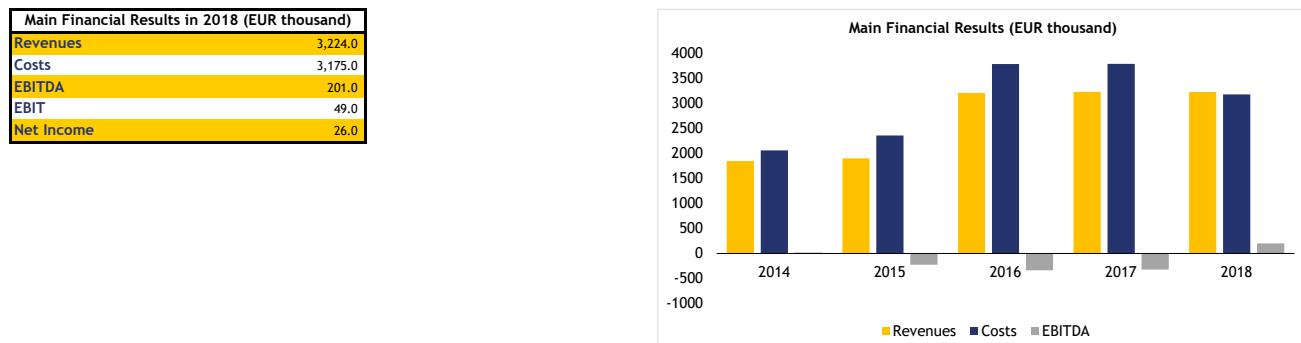
ZAGREB STOCK EXCHANGE

Name	Zagreb Stock Exchange	Type of Company	Joint-stock company
Address	Ivana Lučića 2a, 1000 Zagreb (Croatia)	For profit	
Phone	+385 1 4686 800	Listed	On Zagreb Stock Exchange
Fax	+385 1 4677 680	Sectors	Cash EU regulated markets
Email	pitanja@zse.hr		Cash EU not regulated (exchange regulated) markets
Website	www.zse.hr		Wholesale bond markets
Year Established	1991		Retail bond markets
Year of Current Legal Status	1991		IT infrastructure and software providers
Country of Incorporation	Croatia	Number of Employees	39
Markets Managed	Croatia, Slovenia		

Trading Figures for 2018

	Equity			Securitised Derivatives		ETFs		UCITS	
	Electronic Order Book	Off-EOB	Reporting Transactions	Electronic Order Book	Off-EOB	Electronic Order Book	Off-EOB	Electronic Order Book	Off-EOB
Turnover (EURm)	216	73	0	-	-	-	-	-	-
Trades	94,728	111	0	-	-	-	-	-	-
Market Capitalisation (EURm)	18,004			-	-	-	-	-	-
Listings	127			-	-	-	-	-	-
	Bonds			Derivatives					
	Electronic Order Book	Off-EOB		Stock/Index Options and Futures	Bond Options and Futures	Commodities Derivatives			
Turnover (EURm)	80	6		-	-	-	-	-	-
Trades	248	3		-	-	-	-	-	-
Listings	26			-	-	-	-	-	-
Notional Turnover (EURm) Contracts Traded									

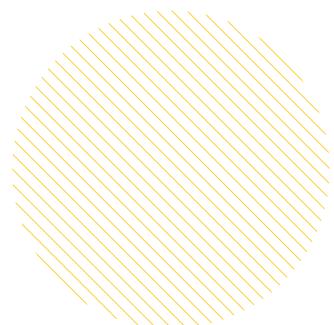
Financial Figures for 2018



Footnotes:

Financial figures are in compliance with IFRS.

AFFILIATE MEMBERS



TEL-AVIV STOCK EXCHANGE

Name	Tel-Aviv Stock Exchange	Type of Company	Profit company
Address	2 Ahuzat Bayit St. Tel Aviv, 6525216	Listed	No
Phone	972-76-8160409	Sectors	Cash markets
Fax			Derivatives markets
Email	info@tase.co.il		Wholesale bond markets
Website	www.tase.co.il		Retail bond markets
Year Established	1953		Central Securities Depositories / Companies
Year of Current Legal Status	1953		managing settlement
Country of Incorporation	Israel		Clearing houses / CCP services providers
Markets Managed	Israel	Number of Employees	254

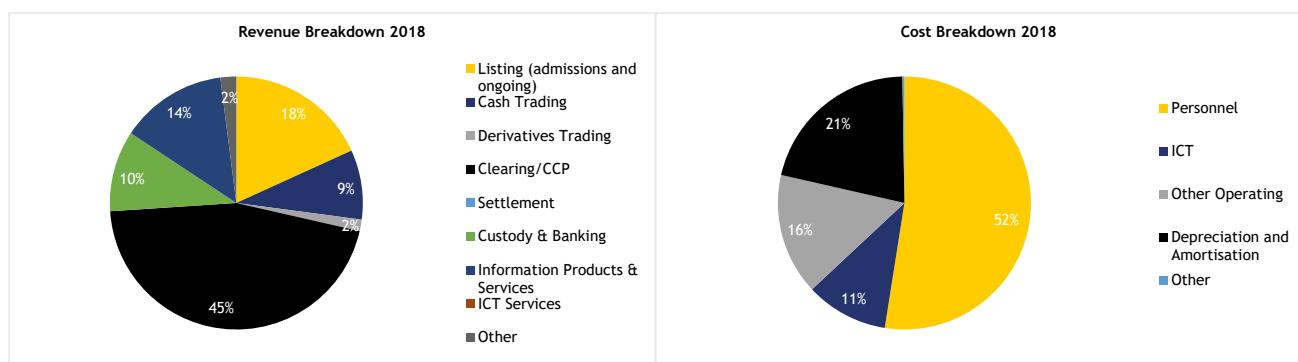
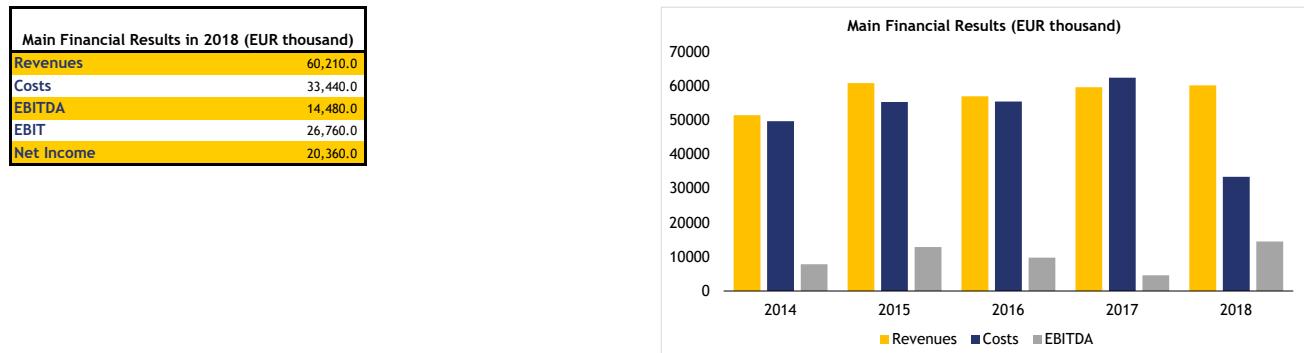
Trading Figures 2018

Turnover (EURm)	Equity			Securitised Derivatives		ETFs		UCITS	
	Electronic Order Book	Off-EOB	Reporting Transactions	Electronic Order Book	Off-EOB	Electronic Order Book	Off-EOB	Electronic Order Book	Off-EOB
	55,179	9,743	64,922	-	-	3,468	248	-	-
Trades	-	-	-	-	-	-	-	-	-
Market Capitalisation (EURm)	163,808	-	-	-	-	20,191	-	-	-
Listings	-	-	-	-	-	-	-	-	-

Bonds		Derivatives		
Electronic Order Book	Off-EOB	Stock/Index Options and Futures	Bond Options and Futures	Commodities Derivatives
176,635	28,008	1,206,627	-	-
Trades	-	33,743,833	-	-
Listings	202,778	-	-	-

Notional Turnover (EURm)
Contracts Traded

Financial Figures 2018



Footnotes:

Financial figures are in compliance with IFRS.

NOTES ON METHODOLOGY

TRADING FIGURES

The trading statistics follow the FESE Statistics Methodology.

All trading figures (value and number of transactions) are single counted in order to ensure data comparability.

- **Electronic Order Book trades** contain all transfers of ownership by way of trades automatically executed through the Exchanges' electronic order book.
- **Off Electronic Order Book trades** include all other transfers of ownership by way of trades executed away from the electronic order book and involving at least one member or intermediary of an Exchange.
- **Reporting Trades** include trades reported through a Trade Reporting Facility when only one counterparty provides information on the trade and offers dissemination services at the request of the reporting trader.
- **Market Capitalisation** is the total number of issued shares of the company (including their several classes) multiplied by the respective share price at a given time. The total is the sum of the total market capitalisation of each domestic company admitted to listing included in the Exchange.

The **market capitalisation** figures include:

- Shares of domestic companies;
- Shares of foreign companies which are exclusively listed on an exchange, i.e. the foreign company is not listed on any other exchange;
- Common and preferred shares;
- Shares without voting rights when available;
- Investment or participation certificates when available.

The **market capitalisation** figures exclude:

- Collective investment funds;
- Rights, warrants, and convertible instruments;
- Options and futures;
- Foreign listed shares other than exclusively listed ones;
- Companies whose only business goal is to hold shares of other listed companies;

• **Turnover** is the total number of shares traded multiplied by their respective prices.

• **Notional Turnover** is an approximate measure of the value of the number of contracts traded expressed with reference to the underlying asset, enabling comparison between cash and derivatives trading and among different derivatives products. It is computed as the number of contracts traded multiplied by the assets underlying amount and value.

GENERAL INFORMATION AND FINANCIAL FIGURES

- The figures mentioned include subsidiaries.
- **EBIT**: Earnings before Interest and Taxes.
- **EBITDA**: Earnings before Interest, Taxes, Depreciation and Amortisation.
- **ICT**: Information and Communication Technologies

INFORMATION SOURCES

- Trading figures for year 2017 are taken from the [FESE Statistics Database](#).
- General information and financial figures for year 2018 are provided by FESE members.

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