# Investor Activity on GPW Markets in September 2018 (attachment)

# Equities Market<sup>1</sup>

Main Market	September 2018	September 2017	Change %	January- September 2018	January- September 2017	Change %
		Total				
Value of trading - total (PLN)	25,168,258,684	19,551,974,463	28.7	162,206,590,131	199,921,281,067	-18.9
Value of trading - Electronic Order Book (PLN)	21,917,598,428	18,261,373,245	20.0	155,267,561,889	178,256,760,574	-12.9
Value of trading - block trades (PLN)	3,250,660,256	1,290,601,218	151.9	6,939,028,242	21,664,520,493	-68.0
Number of transactions (Electronic Order Book)	1,608,006	1,623,321	-0.9	13,448,577	15,127,571	-11.1
WIG at the end of the period	58,974.76	64,289.69	-8.3	58,974.76	64,289.69	-8.3
	D	ay avarage				
Value of trading - Electronic Order Book (PLN)	1,095,879,921	869,589,202	26.0	830,307,818	948,174,258	-12.4
Value of trading - block trades (PLN)	162,533,013	61,457,201	164.5	37,107,103	115,236,811	-67.8
Number of transactions (Electronic Order Book)	80,400	77,301	4.0	71,918	80,466	-10.6

NewConnect	September 2018	September 2017	Change %	January- September 2018	January- September 2017	Change %				
	Total									
Value of trading - total (PLN)	114,930,379	122,388,258	-6.1	1,103,871,661	1,195,261,489	-7.6				
Value of trading - Electronic Order Book (PLN)	102,596,948	109,679,156	-6.5	1,031,062,745	1,077,535,256	-4.3				
Value of trading - block trades (PLN)	12,333,431	12,709,102	-3.0	72,808,916	117,726,234	-38.2				
Number of transactions (Electronic Order Book)	51,809	70,904	-26.9	549,060	669,917	-18.0				
NCIndex at the end of the period	226.53	313.66	-27.8	226.53	313.66	-27.8				
Day avarage										
Value of trading - Electronic Order Book (PLN)	5,129,847	5,222,817	-1.8	5,513,705	5,731,571	-3.8				
Value of trading - block trades (PLN)	616,672	605,195	1.9	389,352	626,203	-37.8				
Number of transactions (Electronic Order Book)	2,590	3,376	-23.3	2,936	3,563	-17.6				

#### Derivative Instruments Market

Derivatives	September 2018	September 2017	Change %	January- September 2018	January- September 2017	Change %
		Total				
Volume - EOB and block trades (#)	720,309	732,480	-1.7	5,946,318	5,888,399	1.0
Index futures	444,814	449,989	-1.2	3,319,794	3,558,584	-6.7
Single-stock futures	123,087	126,415	-2.6	949,827	1,271,401	-25.3
Currency futures	135,776	131,038	3.6	1,462,941	815,145	79.5
Interest rate futures	2	1,350	-99.9	33	7,765	-99.6
Options	16,630	23,688	-29.8	213,723	235,504	-9.2
		ay avarage				
	Volume - EC	)B and block trades (	#)			
Index futures	22,241	21,428	3.8	17,753	18,929	-6.2
Single-stock futures	6,154	6,020	2.2	5,079	6,763	-24.9
Currency futures	6,789	6,240	8.8	7,823	4,336	80.4
Interest rate futures	0	64	-100.0	0	41	-100.0
Options	832	1,128	-26.2	1,143	1,253	-8.8
	· · · · ·	NOI <sup>2</sup>				
Index futures	43,288	62,050	-30.2	43,288	62,050	-30.2
Single-stock futures	18,253	20,465	-10.8	18,253	20,465	-10.8
Currency futures	92,782	41,914	121.4	92,782	41,914	121.4
Interest rate futures	11	54	-79.6	11	54	-79.6
Options	14,616	23,270	-37.2	14,616	23,270	-37.2

### Debt Instruments Market

Catalyst <sup>3</sup>	September 2018	September 2017	Change %	January- September 2018	January- September 2017	Change %
Value of listed issues (PLN bn) <sup>4</sup>	83.1	68.6	21.2	83.1	68.6	21.2
Value of trading - total (PLN)	161,410,990	263,636,588	-38.8	2,072,874,126	2,073,766,538	0.0
Value of trading - Electronic Order Book (PLN)	154,533,991	229,847,040	-32.8	1,690,519,857	1,724,071,194	-1.9
Value of trading - block trades (PLN)	6,876,999	33,789,548	-79.6	382,354,269	349,695,343	9.3
Number of transactions (Electronic Order Book)	5,785	6,596	-12.3	67,440	60,572	11.3

Treasury BondSpot Poland <sup>5</sup>	September 2018	September 2017	Change %	January- September 2018	January- September 2017	Change %
Value of trading - cash transactions (PLN)	9,368,996,950	15,039,007,100	-37.7	100,239,277,775	157,974,222,600	-36.5
Value of trading - conditional transactions (PLN)	31,165,837,291	48,838,910,925	-36.2	185,081,257,387	246,267,925,495	-24.8

### Structured Instruments, ETFs and Investment Certificates Markets

Structured products and ETFs	September 2018	September 2017	Change %	January- September 2018	January- September 2017	Change %		
Value - EOB and block trades (PLN)								
Structured products	70,418,840	99,033,776	-28.9	597,477,347	726,176,589	-17.7		
Investment certificates	3,523,128	4,813,822	-26.8	58,190,467	49,736,700	17.0		
Warrants	0	0		0	0			
ETFs	12,990,611	17,922,554	-27.5	110,409,547	136,950,136	-19.4		

### Commodity Market

Electricity - TGE	September 2018	September 2017	Change %	January- September 2018	January- September 2017	Change %
Volume of trading - spot transactions (MWh)	2,138,078	1,811,980	18.0	19,930,782	18,499,347	7.7
Volume of trading - forward transactions (MWh)	28,615,307	10,702,885	167.4	138,834,976	55,954,036	148.1

Property rights - TGE	September 2018	September 2017	Change %	January- September 2018	January- September 2017	Change %
Volume of trading - spot transactions (MWh) <sup>6</sup>	4,073,419	3,726,072	9.3	48,794,381	45,586,697	7.0
Volume of trading - spot transactions (toe) <sup>7</sup>	17,493	60,313	-71.0	251,569	245,503	2.5

Gas - TGE	September 2018	September 2017	Change %	January- September 2018	January- September 2017	Change %
Volume of trading - spot transactions (MWh)	853,951	1,403,768	-39.2	16,676,689	17,870,091	-6.7
Volume of trading - forward transactions (MWh)	18,557,774	12,498,458	48.5	80,507,302	82,803,484	-2.8

<sup>1</sup> transactions in shares, allotment certificates and subscription rights

 $^{\rm 2}\,{\rm number}$  of open interest, data at the end of the period

<sup>3</sup> corporate, municipal, Treasury and mortgage bonds

<sup>4</sup> corporate, municipal and mortgage bonds. As of 3rd of January 2018 BGK bonds are treated as Treasury bonds and hence the value of corporate bonds shown is lower

and cannot be compared with previous tables. January 2017 has been recalculated according to MIFID2  $^{\rm 5}$  transactions in Treasury bonds and bills

<sup>1</sup> transactions in Ireasury bonds and bills
<sup>6</sup> transactions in all TGE traded property rights excluding rights to certificates connected with energy efficiency ('white certificates')
As of December 29, 2017, trading in futures contracts for property rights for electricity generated in RES was suspended. The necessity to end trading in these contracts on TGE is related to the adaptation of TGE's activities to the MIFID2 regime.
<sup>7</sup> transactions in property rights to certificates connected with energy efficiency ('white certificates')