



# GPW Group's Financial Results Q4 2016

28 February 2017

### **Record-high Financial Results in 2016**



### Net profit highest since 2011 (second highest in GPW Group's history)

# PLN 131.1 mn

Record-high EBITDA

# PLN 183.7 mn

### Record-low C/I ratio

48.3%

Record-high dividend yield<sup>1</sup>



# **Our Successes in 2016**



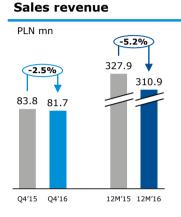
DEVELOPMENT	<ul> <li>Development of liquidity support programmes</li> <li>Take-over of the function of WIBID and WIBOR fixing organiser</li> <li>Introduction of a maker-taker price list</li> <li>Colocation service</li> <li>Sale of non-display data</li> <li>Six new single-stock futures and GBP/PLN futures</li> <li>Launch of ABN Amro Clearing</li> </ul>
TRANSPARENCY	<ul> <li>New segmentation of NewConnect</li> <li>New calendar and methodology of the main exchange indices</li> <li>Three new sector indices</li> </ul>
DIALOGUE	<ul> <li>Ambassador programme for the top 20 banks in Poland</li> <li>Intensified educational initiatives</li> <li>Polish-Belarussian IPO Centre</li> <li>Tenth edition of the Respect Index</li> </ul>
TECHNOLOGY	<ul> <li>New systems: X-Stream Clearing NASDAQ in IRGiT and NASDAQ Trading in POLPX</li> <li>PFSA's approval for POLPX as operator of CO<sub>2</sub> auction platform</li> <li>OTC trade reporting service: POLPX RRM</li> </ul>

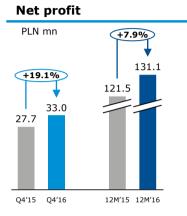
Summary of the GPW Group's Activity in Q4 2016

Financial Results of the GPW Group in Q4 2016

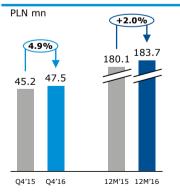
### **Growth Momentum Maintained in Q4'16**



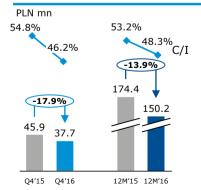




EBITDA



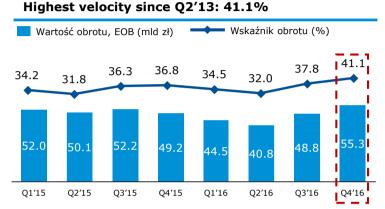
### **Operating expenses**



- Net profit in Q4'16: PLN 33.0 mn (up by 19.1% yoy)
- Strict cost discipline
  - C/I at 46.2% in Q4'16 and 48.3% in all of 2016
- Atypical events
  - POLPX's VAT correction and resulting interest cost
  - Donation to the Polish National Foundation

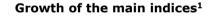
	Q4′16	2016
Net profit margin	40.3%	42.3%
EBITDA margin	58.1%	59.1%

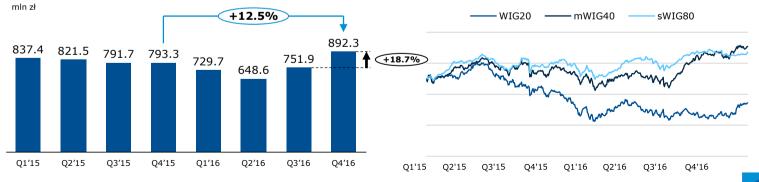




### Average daily value of EOB trade

- The best quarter since Q2'13 in terms of turnover in stocks: increase to PLN 55.3 bn in Q4'16 (+13.3% qoq and +12.3% yoy):
  - Average daily value of trade up by 18.7% qoq and 12.5% yoy
  - WIG20 gained 12.89% in Q4'16 rising energy and banking stocks
- Share of new proprietary traders<sup>2</sup> in turnover in stocks at 8.9% in Q4'16 and 10.2% in all of 2016



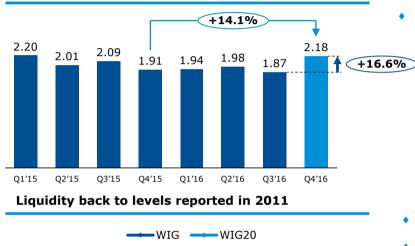


 $^1$  Change in the value of turnover in stocks participating in WIG20, mWIG40 and sWIG80; Q1'15 = 100%

<sup>2</sup> Participants of liquidity support programmes (HVP and HVF) and a new market maker

# **Derivatives Trade Clearly Picked Up**





#### Volume of derivatives trade



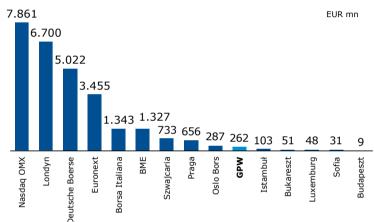
- Volume of trade in derivatives increased in Q4 including all instruments:
  - Volume of trade in WIG20 futures: 1.2 mn contracts (+12.7% qoq and +3.9% yoy)
  - Record-high volume of trade in single-stock futures:
     479 thou. contracts (+12.8 qoq and +63.9% yoy)
  - ✓ Volume of trade in interest rate futures: 4.8 thou. contracts (v. 12 thou. contracts in Q4'15 and 371 thou. contracts in Q3'15)
  - Volume of trade in FX futures: 365 thou. contracts (+39.9% qoq, +18.0% yoy)
- New GBP/PLN futures introduced in Q4
- Share of new investors in futures trade at 9.2% in Q4'16 and 7.0% in all of 2016

### **GPW: An Important Source of Capital in Europe**



- GPW was the third European market by the number of IPOs in 2016 (28 IPOs v. 33 in 2015) and tenth by the value of IPOs.
- 19 new non-Treasury issued on Catalyst worth PLN
   4.3 bn in 2016.

GPW in European TOP10 by value of IPOs in 2016<sup>1</sup>



- Major IPOs in 2016:
  - Celon Pharma (PLN 245 mn)
  - X-trade Brokers DM S.A (PLN 189 mn)
  - Stelmet (PLN 182 mn)
- 7 transfers from NewConnect to the Main Market in 2016

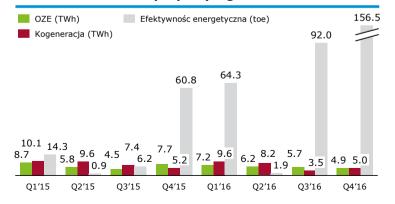
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# **Record-high Results on the Gas Market**



#### Volume of spot and forward transactions in electricity and gas

#### Volume of trade in property rights

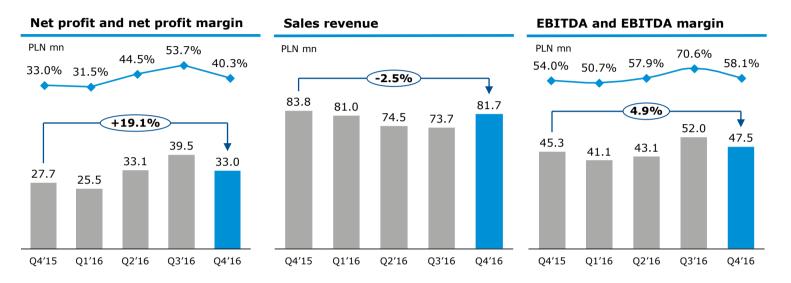


- Energy market: spot transactions up by 19.2% qoq in Q4'16, forward transactions down moderately (-0.7% qoq) as a result of phasing out of mandatory sales and shift of trade in electricity to the OTC market
  - ✓ annual volume of spot transactions in electricity was historically high at 27.6 TWh (up by 9.9 % yoy)
- Volume of trade in natural gas in 2016: 114.5 TWh highest annual result in POLPX history.
  - ✓ record-high volume of spot transactions in Q4'16: 9.4 TWh (up by 65.3 yoy and 224.3% qoq)
- Register of Certificates of Origin/Property Rights Market:
  - as of 1 October 2016, new Energy Efficiency Act introduced white certificate solutions similar to other certificates of origin (no more tenders, phasing out of the substitution fee)
  - ✓ record-high volume of trade in property rights in energy efficiency (156.5 toe in Q4'16 and 314.8 toe in 2016)
  - 2970 new members of POLPX Register of Certificates of Origin (431 new members in 2016)
- CO<sub>2</sub> trading platform:
  - PFSA's approval for POLPX to operate a CO<sub>2</sub> allowances auction platform

Summary of the GPW Group's Activity in Q4 2016

**Financial Results of the GPW Group in Q4 2016** 

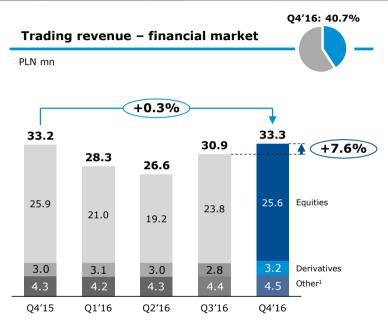
# **Another Quarter of Solid Financial Results**



- Strong uptrend in revenue, especially on the financial market
- Further cost optimisation and impact of one-off events :
  - ✓ Increase of financial costs due to adjustment of VAT in POLPX (3,6 mn PLN)
  - Donation of PLN 3 mn to the Polish National Foundation
- Solid net profit of PLN 33.0 mn and high EBITDA of PLN 47.5 mn

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### **Strong Increase of Trading Revenue**



- Average turnover in shares per session in Q4'16 at PLN 892.3 mn vs. PLN 751.9 mn in Q3'16 and PLN 793.3 mn in Q4'15
- New fee reductions for Exchange Members:
  - Fixed fee on an order on the stock market reduced from PLN 0.20 to PLN 0.15 as of 1 November 2016
- Share of low-margin clients in turnover: 10.2% in 2016 and 8.9% in Q4'16
- Average transaction fee on the stock market in Q4'16: 2.10 bps.

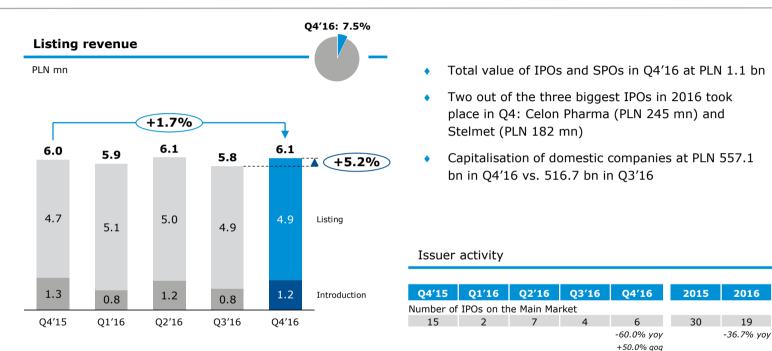
### Investor activity on GPW markets

Q4′15	Q1′16	Q2′16	Q3′16	Q4′16	2015	2016
Shares – v	alue of trad	de (EOB, Pl	LN bn)			
49.2	44.5	40.8	48.8	55.3	203.5	189.5
				+12.3% yoy +13.3% qoq		-6.9% уоу
Futures an	d options -	volume of	trade (mr	contracts)		
1.9	1.9	2.0	1.9	2.2	8.2	8.0
Treasury b	onds - TB9	SP cash tra	ansactions	+14.5% yoy +16.9% qoq (PLN bp)		-2.8% уоу
58.5	63.4	58.5	63.4	69.2	260.7	254.5
5515	0011	2010	0011	+18.3% yoy	20017	-2.4% yoy

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### **Stable Listing Revenue**





516.8

578

Capitalisation of domestic companies (PLN bn)

496.1

394

515.7

0

557.1

+7.8% vov

+8.0% gog

629

+8.8% yoy

516.8

1989

543.7

73

Value of IPOs (PLN mn)

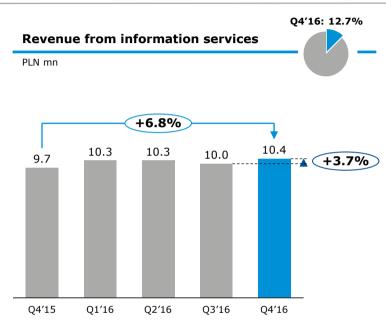
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557.1

+7.8% yoy

1096 -44.9% yoy

### **Record-high Revenue from Information Services**



- New policy of selling non-display data as the main driver of growth in revenue in 2016; 43 clients as at the end of Q4'16 vs. 37 clients in Q3'16
- Record-high revenue from sales of processed data and indicators
- Increase in the number of subscribers for data from GPW, POLPX and Bondspot to 22.4 thou. in Q4'16 (highest since Q2'15)
- Monthly fee for top bid/ask for individual investors reduced by 25% in November 2016.

Data vendors, subscribers and non-display clients

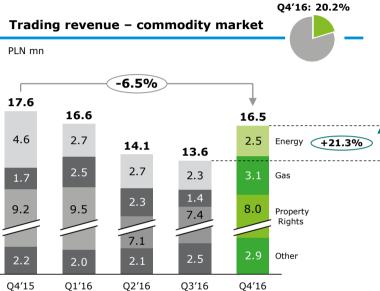
Q4′15	Q1′16	Q2′16	Q3′16	Q4′16	2015	2016
Number of	subscriber	s (tys.)				
221.1	224.2	222.3	222.0	224.6	221.1	224.6
				+1.2% qoq		+1.6% yoy

Number of data vendors

54	52	51	52	51	54	51
Non- display	29	35	37	43	-	43

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### **Stable Trading Revenue on Commodity Market**



- Increase in revenue from trade in gas and electricity driven by volumes:
  - ✓ Volume of trade in gas: +109.1 qoq and +83.3% yoy
  - ✓ Volume of trade in electricity: +3.4 qoq and -48.0% yoy
- Increase of revenue from trade in property rights driven by rising turnover in rights to energy efficiency certificates (+282% yoy and 100% qoq)
- Increase of revenue from other fees due to continued development of the RRM trade reporting service and an increase in the number of members of the market in gas and the Register of Certificates of Origin

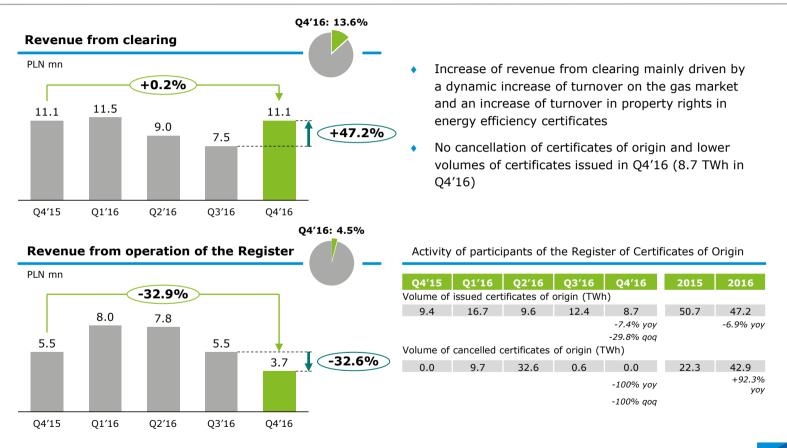
### Investor activity on the commodity market

Q4′15	Q1′16	Q2′16	Q3′16	Q4′16	2015	2016
Electricity	– volume o	f trade (TV	Vh)			
58.9	33.3	33.0	29.6	30.6	186.7	126.7
				-48.0% yoy		-3.2% yoy
				+3.4% qoq		
Natural ga	s – volume	of trade (	ſWh)			
20.4	30.2	29.1	17.9	37.4	106.9	114.5
				+83.3% yoy		+7.1% yoy
				109.0% qoq		
Property ri	ghts – volu	ime of trad	e (TWh)			
12.8	16.7	14.4	9.2	9.9	58.9	50.2
				-22.7% yoy		-14.8% yoy
				+7.6% qoq		

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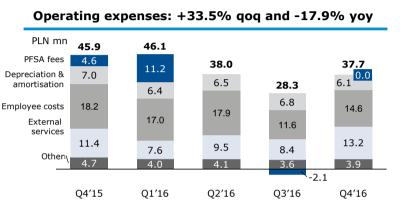
# **Increase of Revenue from Clearing on the Commodity Market**





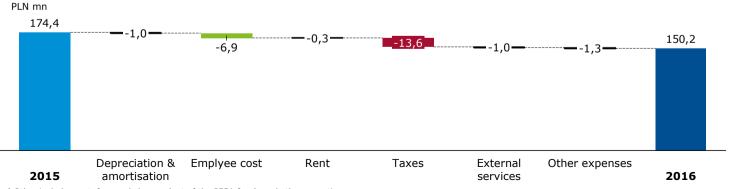
### **Consistent Optimisation of Operating Expenses**





### Change in operating expenses

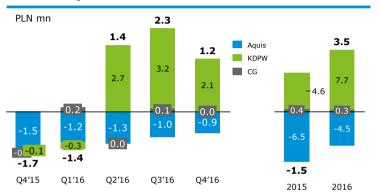
- Increase of financial costs due to VAT adjustment and resulting interest in POLPX
- Donation to the Polish National Foundation: PLN 3 mn
- No fee paid by the GPW Group for capital market supervision (PFSA) due to modified accounting policies (all fees recognised in Q1)
- Increase of external service charges due to alignment of the trading system with MiFID II and increase of the cost of promotion and education
- C/I<sup>2</sup> in Q4'16: 46.2%, in 12m 2016: 48.3% vs 53.2% in 12m 2015



 $^{\rm 1}$  Other includes rent, fees and charges (net of the PFSA fees), and other operating expenses  $^{\rm 2}$  C/I based on reported data, before netting

# **Profit of Associates**

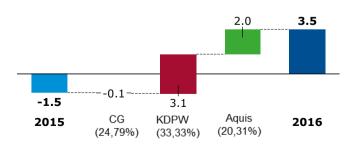




#### Share of profit of associates

#### Change in share of profits of associates

PLN mn



- Profit of the KDPW Group:
  - ✓ profit of KDPW Group decreased in Q4'16 due to an increase of operating expenses by 21.1% qoq
- Aquis Exchange:
  - ✓ share in the European equity trade market stable at more than 1.0% in Q4'16
  - ✓ additional capital raised in Q4'16 (GPW's interest measured by the number of shares down to 22.99% and share in voting rights down to 20.31%)

#### **Turnover on Aquis Exchange**



# **GPW Group's Consolidated Balance Sheet**

PLN mn	31.12.2015	31.03.2016	30.06.2016	30.09.2016	31.12.2016
Non-current assets, including among others	580.6	577.0	579.6	584.7	597.3
Property, plant and equipment	125.2	122.3	121.5	119.6	119.1
Intangible assets	261.7	259.9	258.1	262.4	273.8
Share of profit of associates	188.6	187.2	191.4	196.0	197.2
Current assets, including among others	492.5	583.7	602.0	524.9	560.6
Trade and other receivables	131.6	99.2	100.0	100.6	113.3
Available-for-sale financial assets	0.0	0.0	0.0	0.0	0.0
Cash and cash equivalents	360.4	483.9	501.8	423.9	446.8
Total assets	1,073.1	1,160.7	1,181.6	1,109.6	1,157.8

Increase of trade receivables and other receivables due to recognition of receivables from POLPX counterparties following modifications of the VAT accounting policy: PLN 66.3 mn

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Increase of other current liabilities due to POLPX's VAT liabilities of PLN 77.6 mn

	As of:				
PLN mn	31.12.2015	31.03.2016	30.06.2016	30.09.2016	31.12.2016
Equity	713.2	738.7	672.8	712.3	745.3
Non-current liabilities	258.9	134.6	137.6	137.5	143.4
Liability under the bond issue	243.8	123.6	123.7	123.7	123.5
Current liabilities, including among others	101.0	287.4	371.2	259.7	269.2
Trade payables	8.6	6.2	6.3	2.8	6.4
Income tax payable	9.5	7.2	10.4	8.9	8.1
Dividend and other liabilities	2.8	9.1	10.9	11.9	16.2
Employee benefits payable	7.3	39.0	31.0	11.6	7.1
Provisions	14.6	14.6	14.6	14.6	14.6
Total equity and liabilities	1,073.1	1,160.7	1,181.6	1,109.6	1,157.8

Annex: Back-up Slides

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PLN mn	Q4'15	Q1'16	Q2'16	Q3'16	Q4'16	2015	2016
Revenue	83.8	81.0	74.5	73.7	81.7	327.9	310.9
Financial market	49.0	44.5	43.0	46.8	49.8	200.0	184.0
Trading	33.2	28.3	26.6	30.9	33.2	136.9	119.1
Listing	6.0	5.9	6.1	5.8	6.1	24.5	23.9
Information services	9.7	10.3	10.3	10.0	10.4	38.5	41.0
Commodity market	34.2	36.1	30.9	26.6	31.2	125.2	124.9
Trading	17.6	16.6	14.1	13.6	16.5	62.6	60.9
Register of Certificates of Origin	5.5	8.0	7.8	5.5	3.7	24.2	24.9
Clearing	11.1	11.5	9.0	7.5	11.1	38.5	39.2
Other operating income	0.6	0.4	0.6	0.3	0.7	2.7	1.9
Operating expenses	45.9	46.1	38.0	28.3	37.7	174.4	150.2
Other income	11.4	7.6	9.5	8.4	13.2	39.6	38.6
Other expenses	0.0	0.6	0.0	0.4	3.6	2.2	4.6
Operating profit	38.2	34.7	36.6	45.2	41.4	153.3	157.9
Financial income	1.9	2.0	5.2	3.4	2.3	9.9	13.0
Financial expenses	3.5	3.0	2.9	3.0	3.2	12.1	12.1
Share of profit of associates	-1.7	-1.4	1.4	2.3	1.2	-1.5	3.5
Profit before income tax	34.9	32.3	40.3	48.0	41.7	149.6	162.3
Income tax	7.2	6.8	7.1	8.5	8.8	28.1	31.1
Net profit	27.7	25.5	33.1	39.5	33.0	121.5	131.1
EBITDA	45.2	41.1	43.1	52.0	47.5	180.1	183.7

- Increase of other operating expenses by PLN 3.0 mn due to a donation to the Polish National Foundation
- Increase of financial expenses by PLN
   3.6 mn in 2016 due to interest accrued on POLPX's VAT overdue liability
  - Increase of external service charges by PLN 1.6 mn due to alignment of the IT systems with MiFID II and by PLN 1.5 mn of the cost of promotions

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 Financial income down in Q4'16 due to positive revaluation of Aquis in Q2'16 and Q3'16

# **GPW Group's Consolidated Cash Flows**



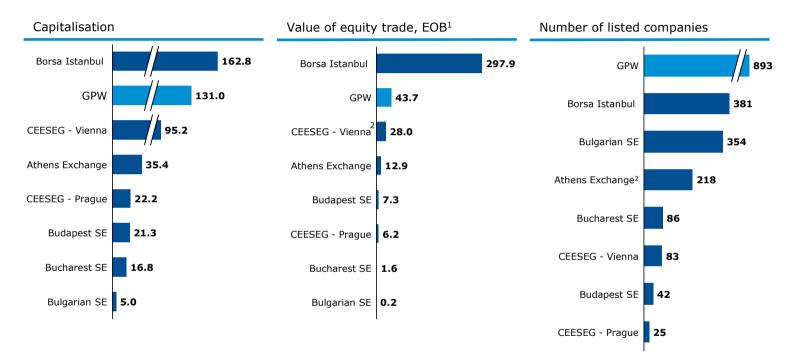
N mn	2015	2016
ash flows from operating activities, including among others:	93.1	205.8
Cash flows from operating activities	110.1	226.
Net profit of the period	123.7	123.
Adjustments:	121.5	131.
Income tax	-11.5	95.
Depreciation of property, plant and equipment	28.1	31.
Financial income on restatement of share of profit of associates	26.8	25.
Interest income on deposits	-2.8	-5.
Interest and premium on bond issue	-6.2	-6.
Share of profit of associates	6.6	7.
Change in current assets and liabilities	1.5	-3.
Decrease of trade and other recievables	-65.0	42
Increase / decrease of other liabilities	-55.3	18
Income tax expense	-17.0	-21
ash flows from investing activities, including among others:	-14.6	-14.
Purchase of property, plant and equipment	-23.9	-13
Purchase of intangible assets	-6.9	-9.
Sale of available-for-sale financial assets	10.0	0
Purchase of associates	0.0	0
Interest received	6.8	6.
ash flows from financing activities, including among others:	-107.2	-104.
Dividend paid and company social fund	-100.7	-99.
Interest paid	-6.7	-5.
Proceeds from bond issue	125.0	0.
Buy-back of bonds issued	124.5	0.
ncrease/decrease of net cash and cash equivalents	-28.7	86.
Cash and cash equivalents - opening balance	389.0	360
Cash and cash equivalents - closing balance	360.4	446.

Increase of cash flows from operating activities due to a higher net profit and a change of assets due to a reduction of the POLPX Group's current VAT payments and an increase of liabilities following reclassification of GPW bonds to current liabilities in view of approaching redemption

Capital expenditures for investments in GPW's trading system relating to MiFID II and the POLPX Group's trading and clearing systems

# **GPW v. Other European Exchanges**



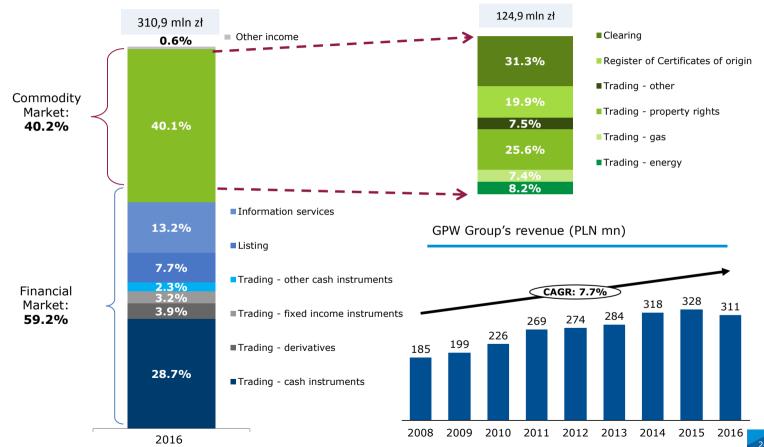


EUR bn

EUR bn

### **GPW Group's Revenue Structure**





# **Financial Market: Trade in Equities**





- Revenue drivers:
  - Value of trade in equities
  - Structure of orders (small, large, mid-sized)

Value of trade in equities and number of transactions Average number of transactionsper session (thou.) EOB (PLN bn) 70.1 65.9 60.8 55.5 55.3 51.9 51.4 48.4 46.4 38.2 251 231 220 207 205 203 190 188 167 160 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016

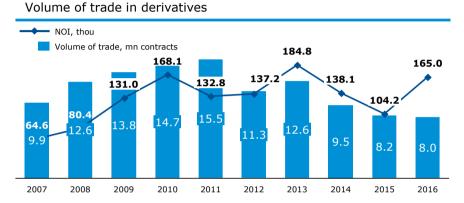
Velocity ratio and volatility - equity market



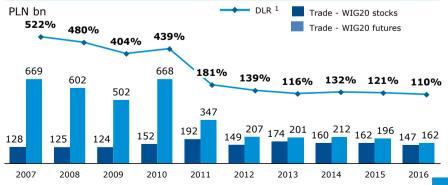
### **Financial Market: Trade in Derivatives**



- Revenue drivers:
  - Volume of trade in futures
  - Number of open interest
  - Volatility



### Volume of trade in futures v. volatility



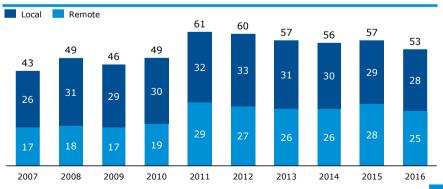
<sup>1</sup> Velocity ratio (value of trade in WIG20 futures to value of trade in WIG20 stocks)

### **Financial Market: Other Instruments and Fees Paid by Participants**





### Number of exchange members



3.3%<sup>1</sup>
2.2%<sup>2</sup>

- Revenue drivers:
  - Value of trade in Treasury bonds
  - Number of exchange members

<sup>1</sup> Share in GPW Group's revenue in 2016, trade in debt instruments

<sup>2</sup> Share in GPW Group's revenue in 2016, fees paid by market participants

# **Financial Market: Listing**



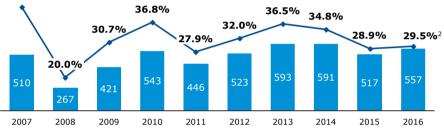
**7.7%**<sup>1</sup>

- Revenue drivers:
  - Capitalisation at YE
  - Value of new issue shares and bonds
  - Number of issuers

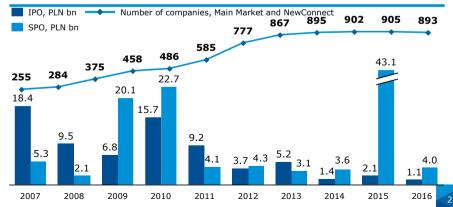
#### Capitalisation of domestic companies

Capitalisation/GDP (%)
 Capitalisation of domestic companies (PLN bn)

#### 41.6%



#### IPO/SPO value and number of companies

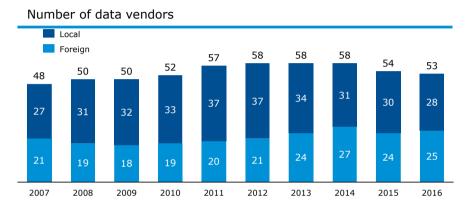


# **Financial Market: Information Services**

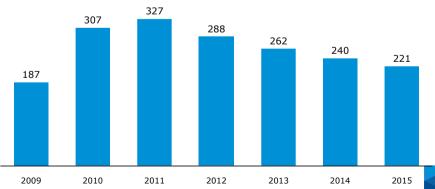


**13.2%**<sup>1</sup>

- Revenue drivers:
  - Number of data vendors
  - Number of subscribers

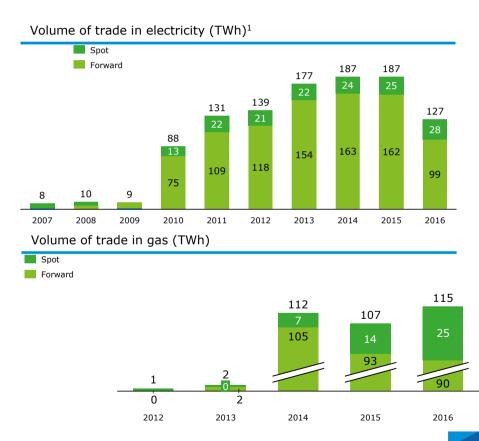


### Number of subscribers (thou.)



### **Commodity Market: Trade in Electricity and Gas**





**6.3%**<sup>2</sup>

- Revenue drivers:
  - Volume of trade in electricity
  - Volume of trade in gas
  - Share of spot and forward trade

<sup>1</sup> Data for 2006-2013 include trade on the GPW Energy Market poee

<sup>2</sup> Share in GPW Group's revenue in 2016

### **Commodity Market: Trade in Property Rights**

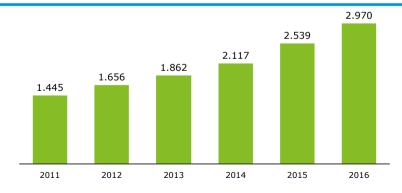


10.3%1

- Revenue drivers:
  - Volume of trade in property rights
  - Share of certificate categories in trade
  - Number of register participants



### Number of participants of the Register of Certificates of Origin



# Commodity Market: Register of Certificates of Origin

**8.0%**<sup>1</sup>

- Revenue drivers:
  - Volume of issued property rights
  - Volume of cancelled property rights



### Volume of cancelled property rights (TWh)





#### **IR events**

#### 27 April 2017

Publication of GPW Group's Consolidated Interim Report for Q1 2017

#### 27 July 2017

Publication of GPW Group's Consolidated Interim Report for H1 2017

#### • 30 October 2017

Publication of GPW Group's Consolidated Interim Report for Q3 2017

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