

Polskie Górnictwo Naftowe i Gazownictwo SA

### **Corporate Presentation**

Financial Results of Q1 and FY 2015 May 2016



#### > 2. PGNiG Segments

- Exploration and Production
- Trade and Storage
- > Distribution
- **Generation**
- 3. Strategy, CAPEX, Debt

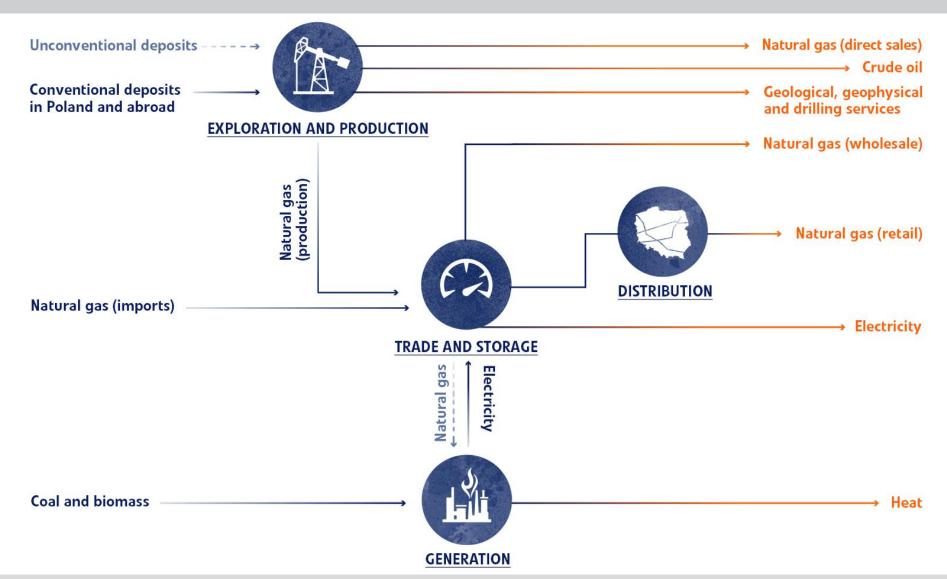
4. Appendix - Financial Results of Q1 and FY 2015

## Agenda

## PGNiG Group and Polish Gas Market

# Poland's no.1 integrated group in the oil and gas sector





## **PGNiG on Warsaw Stock Exchange**

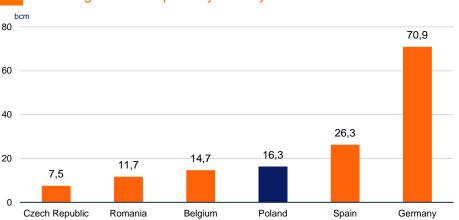




5 \* PGNiG = 4.86 PLN and EUR/PLN = 4.42; USD/PLN = 3.87 (as on May 6th 2016) / \*\* In terms of market cap.

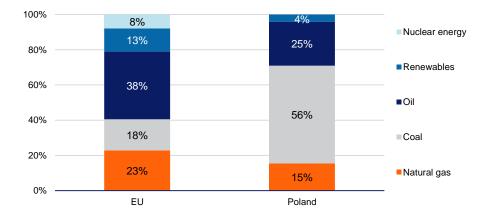
## **Gas market in Poland**





#### Natural gas consumption by country in 2014

Primary energy consumption by fuel in 2014

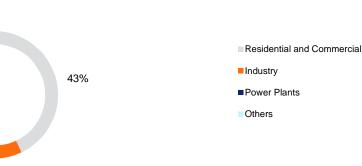


Natural gas sales by sector in UE in 2014

3%

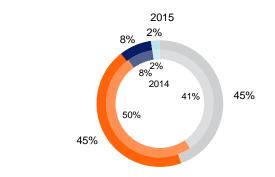
23%

31%





#### Natural gas sales by sector by PGNiG in 2015 and 2014



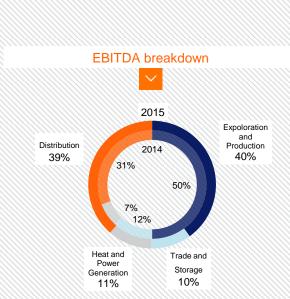
#### Low consumption with growth potential

## Operating segments of PGNiG Group

## EBITDA 2010-2015

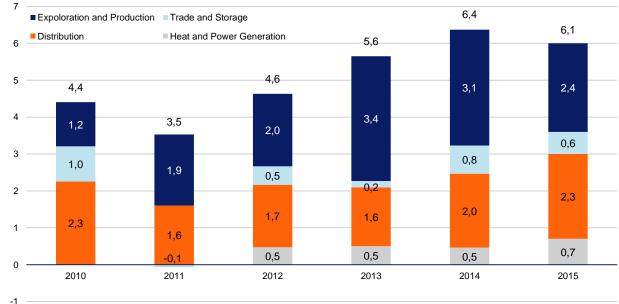


Stable EBITDA level due to diversified inflows sources



#### ✓ PGNiG Group's EBITDA\*

PLNbn



## **Exploration & Production summary**



PGNiG SA is a leader in production of gas and crude oil in Poland

#### PGNiG's resources base in Poland:

- Proved gas reserves 504 mboe (78.1 bcm)\*
- Proved oil reserves 131 mboe (17.9 m tonnes)

#### Oil & Gas Concessions in Poland:

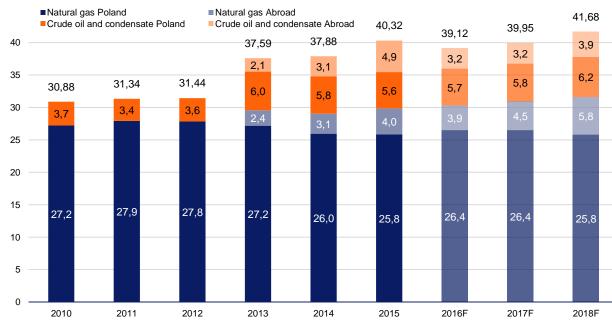
- 61 exploration/appraisal
- 227 production

#### Exploration & Production activities:

- 57 production facilities in Poland
- Over 2 thousand producing wells

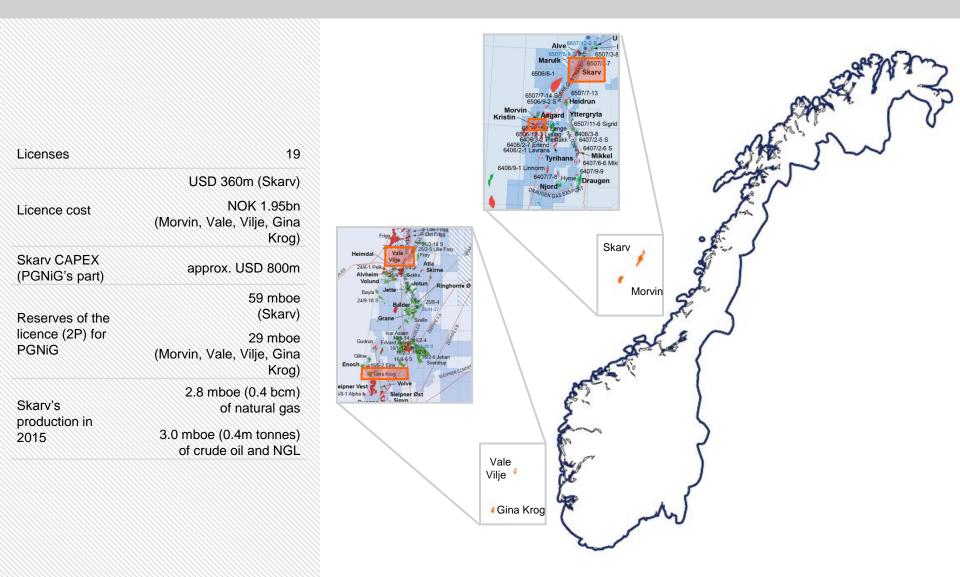
#### Production volumes

mboe



## International E&P activities – Norway





## International E&P activities – Africa and Asia



Asian assets: Pakistan African assets: Libya Ghadames/Murzug concession Kirthar concession February 2008 agreement **PGNiG - 100%** shares 5,494 sq km area Awbari province, location Murzuq basin 3,000 km 2D; 1,500 sq km 3D, obligations 8 wells

#### estimated reserves

146 bcm of natural gas, 15m tonnes of condensate

4Q2013: asset write-off at PLN 420m and a provision for PLN 137m for future license obligations.

Force majeure clause activated.

| agreement                        | May 2005                                    |
|----------------------------------|---|
| shares                           | PGNiG 70%<br>Pakistan Petroleum 30%         |
| area                             | 956 sq km                                   |
| location                         | Sindh province,<br>Folded belt Kirthar      |
| obligations                      | 2 wells, 100 km 2D (fulfilled)              |
| estimated reserves               | 11.5 bcm of natural gas                     |
|                                  | 4.5 bcm of natural gas (Pab formation)      |
| The Rizq-1 well proved the exist | ence of a second deposit within the Kirthar |

licence area.

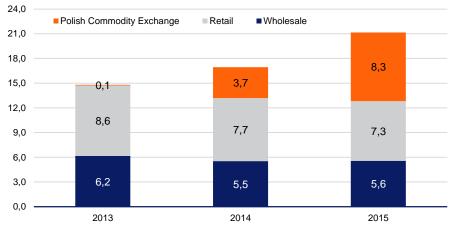
Surface installation (cost: USD 13m) allow to increase extraction to 800 cm/min

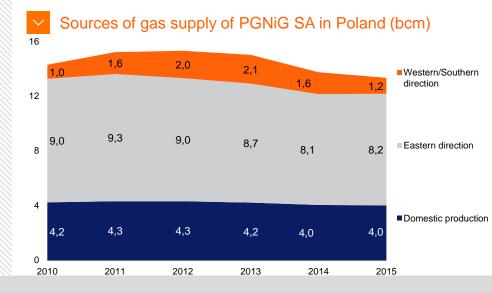
## Gas supply & sales



- Trade and Storage segment comprises:
  - sales of natural gas both imported and domestic to retail and wholesale markets,
  - storage of gas.
- Polish market growth: CAGR +1.6% 2005-2015
- App. 30% of Polish demand is met by domestic production the rest is covered by imports.
- Contract for natural gas deliveries with Gazprom ("Yamal contract") until 2022:
  - 10.2 bcm annually
  - 85% Take-or-Pay
  - Change in price formula in 4Q2012 from 100% oil link to oil/spot mix
- Contract for LNG with Qatargas until 2034:
  - 1.3 bcm annually
  - 100% Take-or-Pay
- 2.3 bcm of gas sold by PGNiG Supply & Trading to customers outside of Poland in 2015

#### Sales of natural gas of PGNiG SA and PGNiG Retail (bcm)





# Gas trading and retail sales in Poland after August 1st 2014





Sales made on PPE by PGNiG SA and purchases made on PPE by PGNiG Retail, which commenced operations on August 1st 2014, are not subject to elimination from the consolidated financial statements, and are disclosed under the Trade and Storage segment.

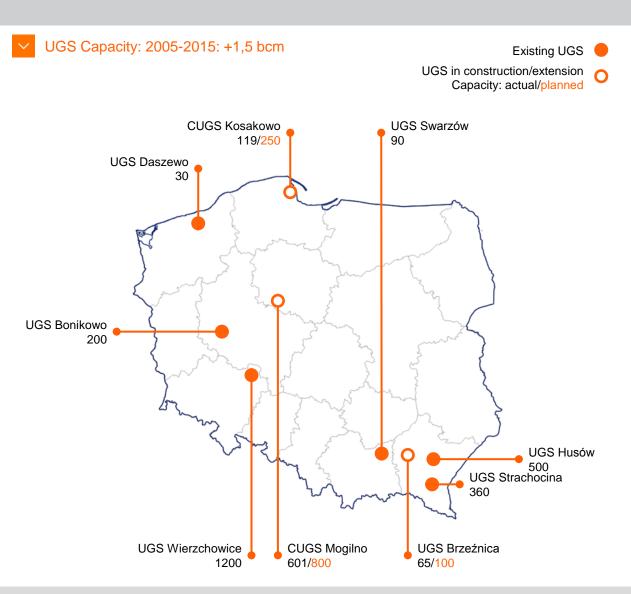
Measured as high-methane gas equivalent (without intragroup eliminations).

## **Development of underground gas storage facilities**



#### Important data:

- Current no. of storage facilities 9
  including salt caverns 2
- Current capacity approx. 3.2 bcm
- Planned increased capacity for 2016:
  - UGS Brzeźnica +35 mcm
  - CUGS Kosakowo +25 mcm
- Required strategic gas reserves: 30 days (of daily average import)



## **Distribution**

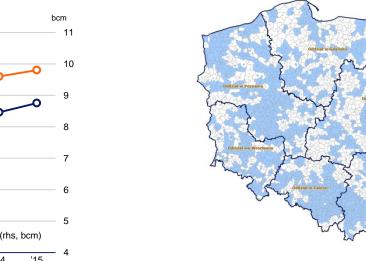


- Gas Distibution Company supplies natural gas from gas sellers to households, industrial and wholesale customers, and is responsible for operation, maintenance and development of gas pipelines.
- In 2015 "Polish Gas Company" (formerly six Regional Gas Companies) distributed 9.5 bcm of natural gas to 6.9m customers through 128 ths. km of distribution network.
- Tariff model: cost + return on capital (7.2% WACC × PLN 11.9bn RAB) PLN 150m gap (until June 2016).

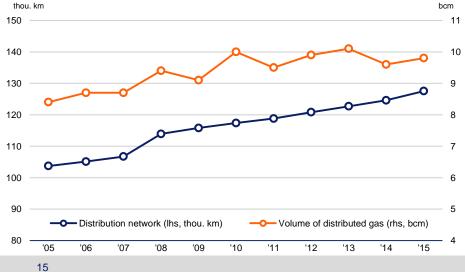
#### PLNm 2 3 3 9 2 500 2 0 0 2 2 000 1 700 1 594 1 606 1 595 1 500 1 000 500 2010 2011 2012 2013 2014 2015

#### Stable EBITDA of the regulated segment

Coverage of gas distribution network



### Stabe network's growth and increase of distributed volumes (+1.6% CAGR 2005-2015)



## **Heat and Power Generation**



#### **PGNiG** Termika

- January 2012 acquisition of 99.8% stake of Vattenfall Heat Poland S.A. from Vattenfall AB for PLN 3bn in cash (PLN 3.5bn EV)
- The largest heat producer in Poland; over 23% of heat capacities
- Covering approx. 75% of the total heat demand in Warsaw, as well as 98% of heat distributed through city's heating network
- Heat tariffs benchmarking scheme creates significant upside for profitability as PGNiG Termika produces low-cost heat
- 400 MWe gas-fired block is planned in Warsaw at Żerań plant (H1 2019)
- 146 MWt biomass-fired boiler to be built in Warsaw at Siekierki plant (2016)
- April 2016: The acquisition of up to 17.1% of the share capital of the Polish Mining group as a result of the investment of PLN 500m
- April 2016: purchase of JSW SA Thermal Energy Enterprise for PLN 190m

#### Combined Heat and Power Plant Stalowa Wola

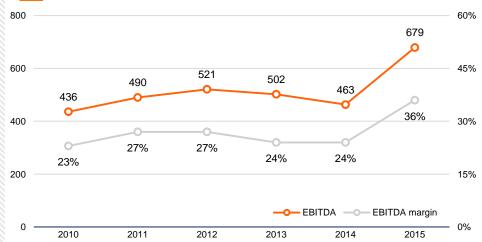
50/50 JV PGNiG and Tauron Polska Energia:

- Total CAPEX PLN 1.6bn (project finance)
- PGNiG to supply 0.5 bcm of gas for 14 years
- Agreement for Sale of Electricity, signed for 14 years (50% to PGNiG)
- Total power output: 450 MWe and 240 MWt
- In January 2016: cancellation of the contract and imposition of penalties for general contractor related to the improper execution of the contract

#### PGNiG Termika operating data

| Installed heat power               | 4,782 MWt |
|------------------------------------|-----------|
| Installed electric power           | 1,015 MWe |
| Heat sales in 2015 (regulated)     | 36.2 PJ   |
| Produced electricity sales in 2015 | 3.5 TWh   |

#### EBITDA PGNiG Termika\*



16 \* 2010-2011 according to Polish accounting standards; 2012-2013 data before intercompany eliminations.

## Strategy, CAPEX, financing

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## Strategy of PGNiG Group for 2014-2022



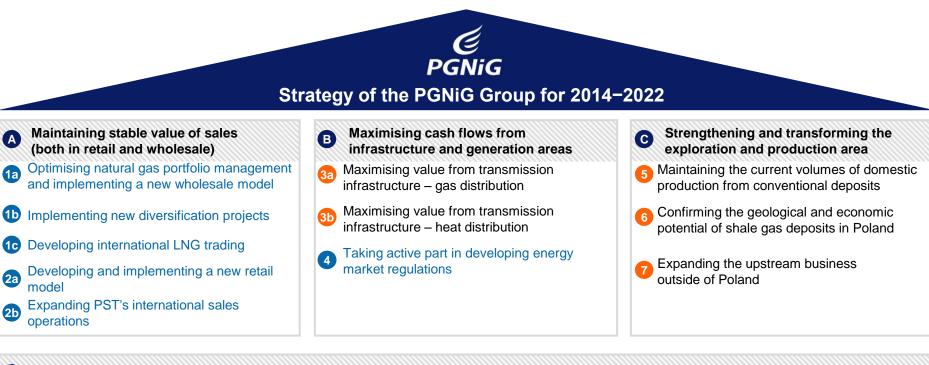
## Following a review of the PGNiG Group Strategy for 2014–2022, the PGNiG Group's vision and primary objective have been updated



Laying foundations for growth along the value chain

# Pillars of the PGNiG Group Strategy for 2014-2022





D Laying foundations for growth along the value chain

- 8a Efficiency Improvement Programme in core business
- 8b Disposal of non-core property
- Bisposal of non-core companies
- 9 Creating an organisation based on efficient human resource management, focused on objectives and resource acquisition
- 0 Stepping up R&D activities and searching for innovative areas of growth

New and modified initiatives are marked in blue

## **Key strategic objectives**







- Stabilisation of EBITDA at ~PLN 7.4bn in 2022
- Increase in average annual capital expenditure on organic growth and acquisitions by approximately 30% relative to 2008–2013
- Diversifying PGNiG's gas supply portfolio beyond 2022



#Δ



Hydrocarbon production in Poland maintained at approximately 33 mboe a year



 Increase in total crude oil and gas production volume (in Poland and abroad) to approximately 55-60 mboe in 2022 through acquisition of exploration and production assets





 Development of new business areas by expanding the value chain in the distribution segment through addition of heat assets



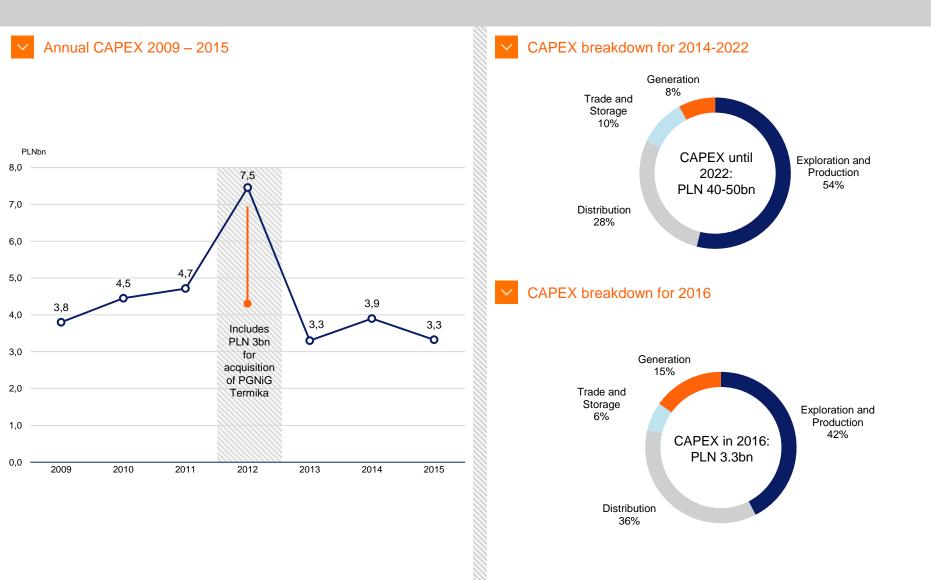
 Significant enhancement of the PGNiG Group's operational efficiency (savings of approximately PLN 800–900m)

#1

#6

# CAPEX estimate for the years 2014-2022: PLN 40-50 billion





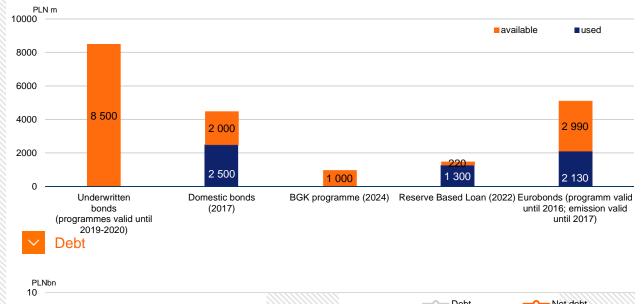
## **Debt and sources of financing**





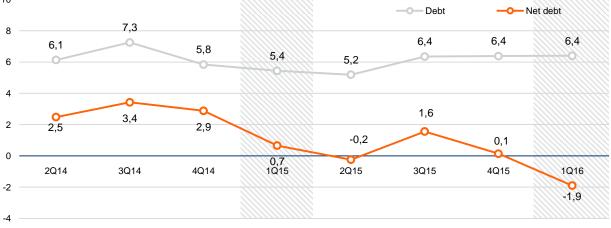
Strong financial standing

#### Financing sources (as at March 31st 2016)



#### Comment:

- Available financing programmes for PLN 14.7bn, including PLN 9.7bn underwritten.
- In August 2015, PGNiG Upstream International signed a new reserve based loan agreement, with loan amount raised to USD 400m. This increased the scale of self-financing of PUI and the financing capacity of the PGNiG Group. The loan is a seven-year revolving facility with a grace period of 30 months.



## 2016 outlook



#### Weaker results of Exploration and Production segment

- high global oil supply
- oversupply of natural gas during warm winter
- decline in hydrocarbon prices while strengthening of USD risk of further write-downs of production assets and other assets associated with exploration
- lower production volumes of crude oil and condensate in the PGNiG Group as a result of natural decline

#### The fight for customers in the Trade and Storage

- falling natural gas prices on European markets favorable for the purchase price while putting pressure on selling prices in Poland
- continuation of the discount policy
- a further decline in the cost of gas in the context of long-term contracts as a result of persistently low oil prices
- first supplies of LNG from Qatargas under the long-term contract

#### Stable results of Distribution

- expected new tariff for Polska Spółka Gazownictwa starting in the second half of 2016
- increase in the volume of gas distributed as a result of investment and development of new connections further improvement of the cost effectiveness

#### The increase in the profitability of Generation

- lower prices of fuels used in production of heat and electricity
- possible acquisition of heating networks

## Appendix

## Financial highlights - 2015



## EBITDA down 4%, with oil and gas prices declining



| [PLNm]                                | 2014     | 2015     | $\Delta$ % |
|---------------------------------------|----------|----------|------------|
| Revenue                               | 34,304   | 36,464   | 6%         |
| Operating expenses (excl. D&A)        | (27,959) | (30,384) | 9%         |
| EBITDA                                | 6,345    | 6,080    | (4%)       |
| Depreciation and amortisation expense | (2,502)  | (2,790)  | 12%        |
| EBIT                                  | 3,843    | 3,290    | (14%)      |
| Net finance income/(costs)            | (346)    | (225)    | (35%)      |
| Net profit                            | 2,822    | 2,136    | (24%)      |

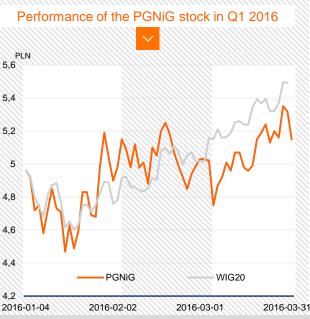
- Revenue from E gas sales up PLN 2.8bn, to PLN 28.5bn in 2015, with sales volume up 4.3 bcm year on year, to 21.7 bcm, driven by the exchange sale requirement.
- Revenue from sales of crude oil and condensate down PLN 709m, with sales volumes up 222 thousand tonnes year on year (consolidation of assets acquired from Total on the Norwegian Continental Shelf as of Q1 2015).
- Cost of gas sold up PLN 3.3bn, to PLN 22bn in 2015 (exchange sale requirement), with a decrease in costs reported by PGNiG SA.

- Net impairment losses, provisions and dry wells and seismics written off at PLN -1,062m in 2015, compared with PLN -1,513m in 2014 (change: +451m PLN).
- Depreciation/amortisation charge up PLN 288m year on year on higher sales volumes in Norway (units-of-production method) and placement in service of the Wierzchowice underground storage facility.
- Income tax up PLN 74m, with effective tax rate up from 22% to 29% (effect of tax settlements in Norway).
- Separate net profit of PGNiG SA in 2015: PLN 1.5bn vs PLN 1.9bn in 2014.

## Financial highlights Q1 2016



Major impact of falling commodity prices, gas market liberalisation and the Efficiency Improvement Programme on operating performance



| [PLNm]                                 | Q1 2015  | Q1 2016 | $\Delta$ % |
|--|----------|---------|------------|
| Revenue                                | 12,495   | 10,980  | (12%)      |
| Operating expenses (excl. D&A)         | (10,169) | (8,587) | (16%)      |
| EBITDA                                 | 2,326    | 2,393   | 3%         |
| Depreciation and amortisation expenses | (664)    | (672)   | 1%         |
| EBIT                                   | 1,662    | 1,721   | 4%         |
| Net finance income/(costs)             | (72)     | 48      |            |
| Net profit                             | 1,244    | 1,386   | 11%        |

- Revenue from high-methane (E) gas sales down PLN 1.7bn year on year (PLN 8.6bn in Q1 2016), with sales volume up 0.3 bcm year on year, to 7.6 bcm.
- Revenue from crude oil and condensate sales down PLN 120m in Q1 2016, despite a 15% year-on-year rise in sales volumes, to 398 thousand tonnes, mainly on an over 40% drop in oil prices year on year.
- Cost of gas sold down 15%, or PLN 1.2bn year on year.
- Negligible impact of the net proceeds settlement of Qatari gas in Q1 2016 (two deliveries settled).

- Depreciation/amortisation charges in Norway down PLN 20m year on year on reevaluation of Skarv reserves.
- A PLN 96m provision for VRP in Distribution recognised in Q1 2015 and reversed in Q2 2015. No provision recognised in Q1 2016.
- PLN 50m net exchange gain on the USDdenominated reserve based loan in Q1 2016 vs PLN 37m net exchange loss in Q1 2015.
- PLN 3m loss on remeasurement of collateral securing Eurobonds, compared with a loss of PLN 92m in Q1 2015, due to the euro strengthening against the złoty.

## EBITDA in Q12016 higher by 3% yoy



#### **Exploration and Production**

 Revenue from sales of crude oil and condensate shrank by 120 million złoty year on year on the back of an almost 43 percent drop in the oil price expressed in the złoty. Low oil price had also negative impact on drilling and geophysical services.

#### Trade and Storage

- Positive operating margin on high-methane gas in Poland and gas fuel margin: +2 percent and +7 percent respectively. The shrinking margin is a combined effect of tariff reductions and discounts offered to business customers.
- To reflect a fall in the volume of gas in storage, a partial reversal of write-downs on gas inventories was made, amounting to 165 million złoty - a 145 million złoty more than in the same period last year.

#### Distribution

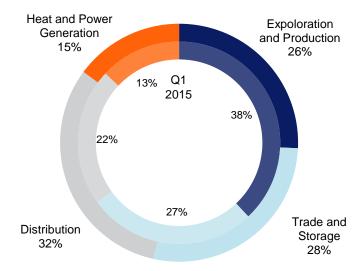
 The net cost of system balancing totalled -150 million złoty compared to -154 million złoty in Q1 2015.

#### Heat and Power Generation

A 17 percent improvement in operating performance, delivering a profit of 266 million złoty, compared with 227 million złoty in the first quarter of 2015 due to higher volumes of heat and electricity. Doupled with a 3 percent year-on-year decrease in the cost of coal.

### EBITDA Q12016 2,326 / **PLN 2,393m** +3% yoy

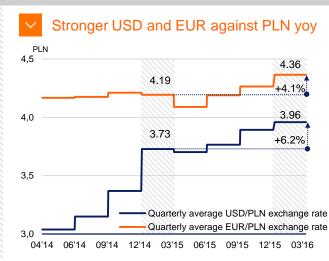
Q1 2016

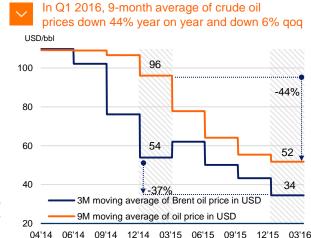


## **Performance drivers**



Noticeable impact of recent periods' tariff reductions on gas selling prices; Average regulated price down 11% year on year in Q1 2016





#### Average tariff price of gas fuel in Poland and the price of gas on the PPE



#### Comments:

- Price in the chart is calculated on the combined tariff-price sales of PGNiG SA and PGNiG OD to customers in Poland. It excludes transactions on the Polish Power Exchange, discounts, and gas sold directly from the fields.
- The largest volumes of gas were traded on the PPE and other gas exchanges under contracts with maturities of a quarter, season (summer/winter) and gas year, with the spot market playing a complementary role in gas trading.

# **Operating expenses fuelled with increases in the cost of gas sold**



| [PLNm] 2014  | 2015     | 1Q2016  |
|--|----------|---------|
| Raw materials and consumables used (2,479)                     | (2,211)  | (395)   |
| Employee benefits expense (2,827)                              | (2,714)  | (545)   |
| Services (2,843)   | (2,674)  | (518)   |
| including the write-off of dry wells and seismic surveys (330) | (283)    | (46)    |
| Other income and expenses (2,040)                              | (1,733)  | (48)    |
| Work performed by the entity and capitalised 980               | 953      | (163)   |
| Depreciation and amortisation expense (2,502)                  | (2,790)  | (672)   |
| Operating expenses (excl. cost of gas sold) (11,711)           | (11,169) | (2,265) |
| Cost of gas sold (18,750)                                      | (22,005) | (6,993) |
| Total operating expenses (30,461)                              | (33,174) | (9,258) |

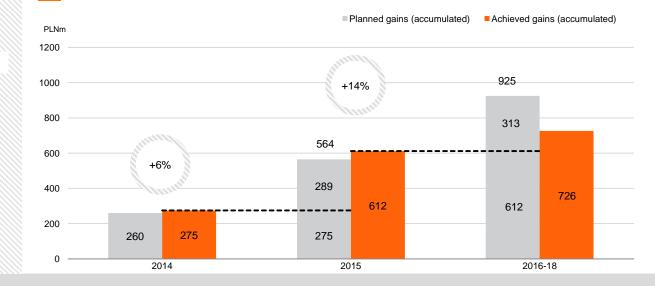
## EIP – Over 1/3 of planned gaines in 2016-18 already achieved in Q1 2016



The Efficiency Improvement Programme aims to permanently reduce the manageable cost base across core PGNiG Group segments Programme objectives:

- To set efficiency improvement targets for the individual segments and entities within the PGNiG Group and to define related benefits to quality improvement.
- To define the scope of action and to assign specific tasks to individual business segments based on identified areas for improvement.
- To implement initiatives designed to improve PGNiG Group's operational efficiency by the end of 2018.

#### Cost savings target exceeded by PLN 75m in 2015

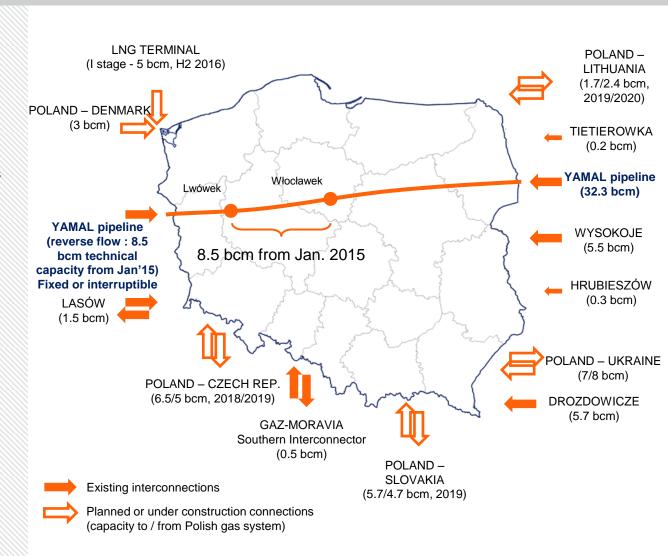




## **Gas transport routes**

#### Supply diversification:

- Increasing the level of supply security
- Avoiding interruptions in gas supply
- Reducing dependence on one source of supply (62% of gas sold in 2015 was imported from the east);
- Raising volumes of imported gas (gas demand is growing, the current entry points are overloaded);
- Balancing the gas supply sources.



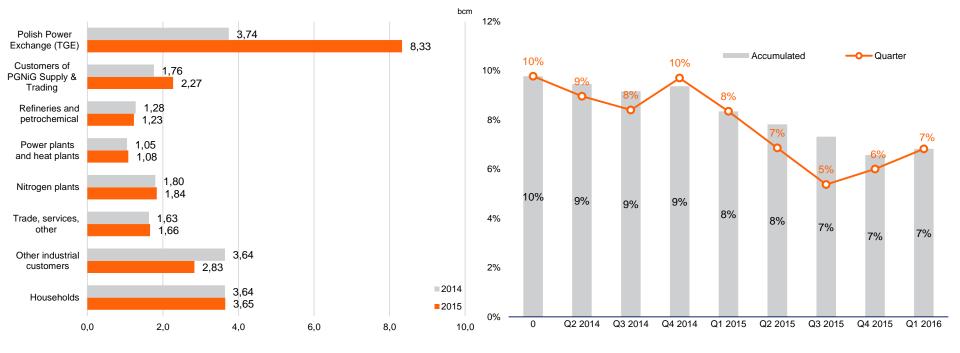


## **Trade and Storage**



PGNiG Group (PGNiG SA, PGNiG Retail, PGNiG Supply&Trading) – gas sales volumes by customer group

Margin on gas fuel (high-methane gas)



## **Changes on the Polish gas market**



#### Gas market deregulation is affecting PGNiG's share in imports and sales structure

#### Comments:

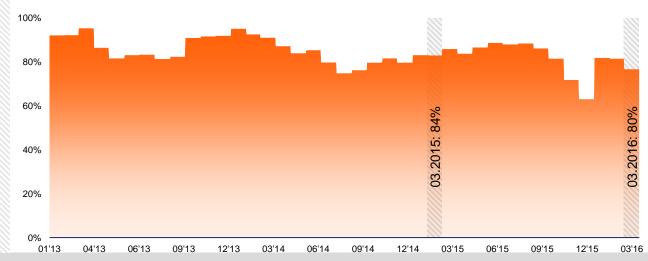
- Since August 1st 2014, the PGNiG Group's gas sales volumes have included both PGNiG SA's sales through the exchange and PGNiG Retail's sales to end customers and on the exchange.
- PGNiG Retail's sales include nitrogen-rich gas, presented in the table as Group E gas equivalent.

| 5.7 | 0.0 | ~~ | 200 |   |   |
|-----|-----|----|-----|---|---|
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|     | 1.1 |    | u e | ~ | 1 |

- The graph shows the share of PGNiG SA in the flow of gas to Poland on OGP Gaz-System points (excluding transit via the Yamal pipeline, and without the elimination of export), monthly data. The increase in the share of PGNiG imports noticeable in 1Q16 mainly due to the fall in exports to Ukraine.
- Data in the chart are not to indicate PGNiG SA's share in the Polish gas market. They have been sourced from reports published by OGP Gaz-System on the volumes of gas flowing through the interconnectors.

| 2014   | 2015                      | 1Q 2016                                     |
|--------|---------------------------|---|
| 18,609 | 23,000                    | 7,986                                       |
| 13,751 | 13,177                    | 4,612                                       |
| 3,742  | 8,089                     | 3,399                                       |
| 3,042  | 7,502                     | 2,597                                       |
|        | 18,609<br>13,751<br>3,742 | 18,609 23,000   13,751 13,177   3,742 8,089 |

#### PGNiG's share in gas imports to Poland\*



33 \* PGNiG SA's share in gas flowing into Poland through OGP Gaz-System's entry points (excluding transit volumes via the Yamal pipeline and including volumes for export), monthly data

## **Tariff Model in Poland**

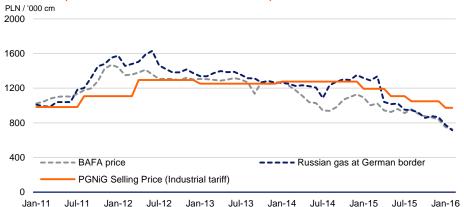


| Type of activity                          | Regulatory mechanism  |
|---|---|
| Direct sales                              | None  |
| High-methane gas sales to large customers | Cost of imports + cost of production (including return<br>on capital invested in E&P) + operating costs +<br>margin |
| Storage<br>(until March 2017)             | Cost + return on capital (6.0% WACC x PLN 3.7bn<br>RAB)   |
| Distribution<br>(until June 2016)         | Cost + return on capital (7.2% WACC x PLN 11.9bn<br>RAB) – 150m gap   |

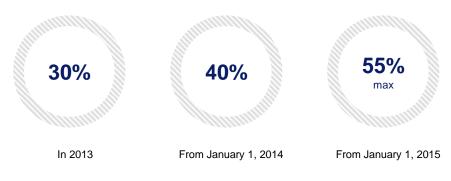
#### Gas tariff set on blended cost of gas: Less costly domestic production supports imports

|  |                | Import<br>cost |
|--|----------------|----------------|
|  | Loss on import | Sales          |
| Profit: difference<br>between sales<br>price and cost of<br>production |                | <b>p</b> rice  |
| Cost of domestic<br>production   | Cost of import |                |
| Domestic<br>production   | Import         |                |
|  |                |                |

### Monthly average gas prices in European import contracts and PGNiG tariff price

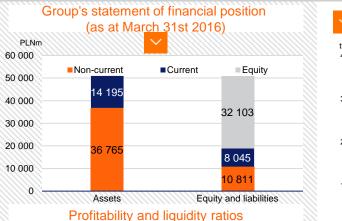


#### Levels of obligatory trading on Polish Power Exchange



 Liberalization of gas market in Poland is being implemented, based on obligatory trading on gas exchange in Warsaw and gradual removal of tariffs for certain segments of industrial customers.

## Statement of financial position, statement of cash flows, financial ratios and headcount

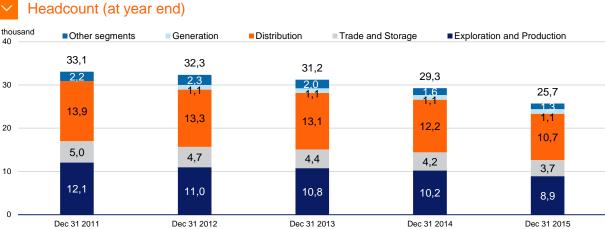


ROE ROA 11,0% 9.4% 8,2% 6,9% 8,0% 6,7% 6.6% 5.8% 0 C 4,7% 4,3% 4,3% 4.0% 5.0% 2,0% 2011 2012 2013 2014 2015 3.0 2,5 Current ratio Quick ratio 2,2 2,4 1,6 1,8 2,1 1,2 0,9 1.6 1,2 1,1 0.6 0,9 0,7

2013

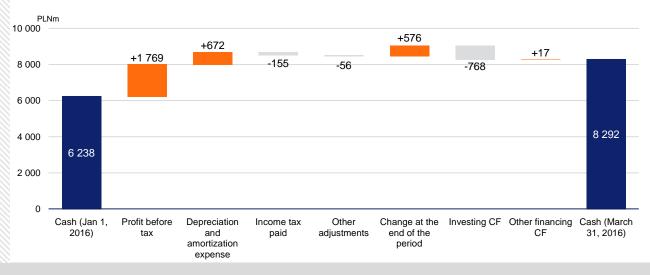
2 0 1 4

2015



PGNiG

#### Consolidated cash flows (Jan 1-Mar 31, 2016)



2011

2012

0,0

## **Production and sales volumes**



| NATURAL GAS PRODUCTION, PGNiG Group [mcm]                                | Q1 2016 | FY 2015 | Q4 2015 | Q3 2015 | Q2 2015 | Q1 2015 | FY 2014 | Q4 2014 | Q3 2014 | Q2 2014 | Q1 2014 |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| HIGH-METHANE GAS (E)   | 509     | 2,031   | 508     | 515     | 507     | 501     | 1,876   | 440     | 475     | 482     | 479     |
| including in Poland  | 359     | 1,458   | 369     | 359     | 362     | 367     | 1,457   | 368     | 361     | 362     | 367     |
| including in Norway  | 150     | 573     | 138     | 156     | 145     | 134     | 419     | 73      | 114     | 120     | 112     |
| NITROGEN-RICH GAS (Ls/Lw as E equiv.)                                    | 670     | 2,599   | 691     | 622     | 602     | 684     | 2,627   | 692     | 582     | 650     | 704     |
| including in Poland  | 657     | 2,547   | 677     | 610     | 589     | 671     | 2,569   | 677     | 567     | 636     | 690     |
| including in Pakistan  | 13      | 52      | 13      | 12      | 13      | 13      | 58      | 14      | 15      | 15      | 14      |
| TOTAL (measured as E equivalent)   | 1,179   | 4,629   | 1,198   | 1,137   | 1,109   | 1,185   | 4,503   | 1,132   | 1,057   | 1,132   | 1,182   |
| Total production in kboe/d   | 84      | 81      | 84      | 80      | 79      | 83      | 80      | 79      | 74      | 80      | 85      |
| NATURAL GAS SALES, PGNiG Group [mcm]                                     |         |         |         |         |         |         |         |         |         |         |         |
| HIGH-METHANE GAS (E)   | 7,572   | 21,665  | 6,151   | 3,674   | 4,521   | 7,320   | 17,358  | 6,470   | 3,284   | 3,078   | 4,526   |
| including PST sales outside PGNiG Group                                  | 764     | 2,271   | 608     | 639     | 502     | 522     | 1,760   | 488     | 363     | 444     | 465     |
| NITROGEN-RICH GAS (Ls/Lw as E equiv.)                                    | 413     | 1,335   | 390     | 262     | 282     | 401     | 1,252   | 334     | 272     | 271     | 375     |
| TOTAL (measured as E equivalent)   | 7,986   | 23,000  | 6,541   | 3,936   | 4,803   | 7,721   | 18,609  | 6,804   | 3,556   | 3,349   | 4,900   |
| including sales directly from the fields                                 | 218     | 764     | 201     | 176     | 175     | 212     | 800     | 205     | 177     | 180     | 238     |
| GAS IMPORTS by PGNiG SA [mcm]  | 2,704   | 9,330   | 1,863   | 2,398   | 2,495   | 2,574   | 9,700   | 2,423   | 2,143   | 2,594   | 2,541   |
| including: sources east of Poland  | 2,657   | 8,155   | 1,774   | 2,329   | 2,219   | 1,833   | 8.097   | 1,751   | 1.805   | 2,515   | 2,026   |
| CRUDE OIL, PGNiG Group [thousand tonnes]                                 |         | 4 400   | 050     | 007     | 047     | 222     | 4 007   | 074     | 004     | 010     |         |
| Production of crude oil and condensate                                   | 348     | 1,428   | 358     | 367     | 317     | 386     | 1,207   | 271     | 304     | 310     | 322     |
| including in Poland  | 203     | 765     | 207     | 204     | 147     | 207     | 789     | 214     | 188     | 184     | 203     |
| including in Norway  | 145     | 664     | 151     | 163     | 170     | 180     | 418     | 57      | 116     | 126     | 119     |
| Total production in kbbl/d   | 28      | 29      | 29      | 29      | 26      | 31      | 24      | 22      | 24      | 25      | 26      |
| Sales of crude oil and condensate  | 398     | 1,391   | 315     | 356     | 372     | 348     | 1,169   | 249     | 262     | 373     | 287     |
| including in Poland  | 205     | 772     | 211     | 196     | 148     | 217     | 780     | 213     | 181     | 185     | 201     |
| including in Norway  | 193     | 619     | 104     | 160     | 224     | 131     | 389     | 36      | 81      | 188     | 85      |
| PGNiG TERMIKA  |         |         |         |         |         |         |         |         |         |         |         |
| Production of heat, net (sales) [TJ]                                     | 16,152  | 36,209  | 12,643  | 2,701   | 5,810   | 15,055  | 36,617  | 12,980  | 2,867   | 5,336   | 15,434  |
| Production of electricity, net, secondary generation (for sale)<br>[GWh] | 1,390   | 3,487   | 1,136   | 328     | 674     | 1,349   | 3,555   | 1,132   | 386     | 648     | 1,390   |





| 2P         | Proven reserves of fossil fuels   |
|------------|---|
| bbl        | barrel  |
| BGK        | Bank Gospodarstwa Krajowego   |
| boe / mboe | Barrel of oil equivalent / Million barrel of oil equivalent (one barrel is approx. 0.136 tonnes)        |
| CAGR       | Compound annual growth rate   |
| CAPEX      | Capital expenses  |
| cm / bcm   | cubic meters / billion cubic meters   |
| D&A        | Depreciation and Amortization   |
| DCF        | Discounted cash flow  |
| EBIT       | Earnings before interest and taxes  |
| EBITDA     | Earnings before interest, taxes, depreciation and amortization  |
| EIP        | Efficiency Improvement Programme  |
| JV         | Joint Venture   |
| OPEX       | Operating expenses  |
| PPE        | Polish Power Exchange   |
| PSG        | Polska Spółka Gazownictwa   |
| PST        | PGNiG Supply & Trading GmbH   |
| PUI        | PGNiG Upstream International  |
| RAB        | Regulatory Asset Base   |
| UGS / CUGS | Underground Gas Storage facility / Cavern Underground Gas Storage facility                              |
| WIG 20     | Capitalization-weighted stock market index of the twenty largest companies on the Warsaw Stock Exchange |
| WSE        | Warsaw Stock Exchange   |

## **Additional information**



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