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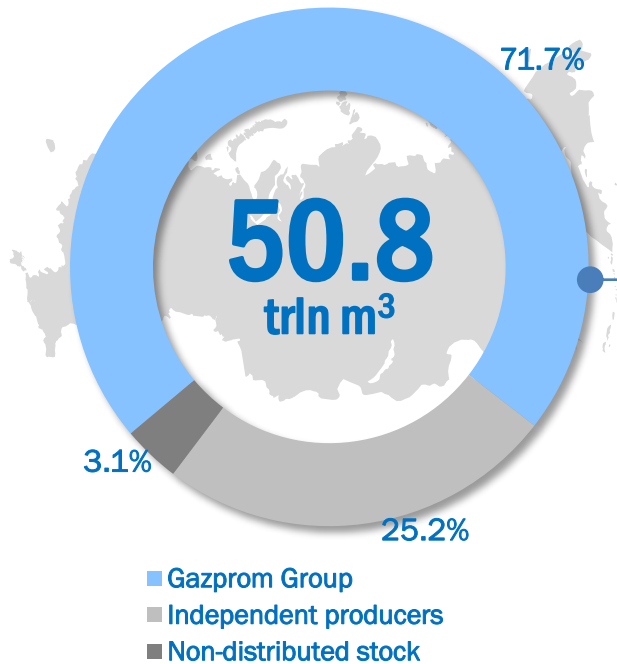
# GAZPROM'S GAS PRODUCTION STRATEGY

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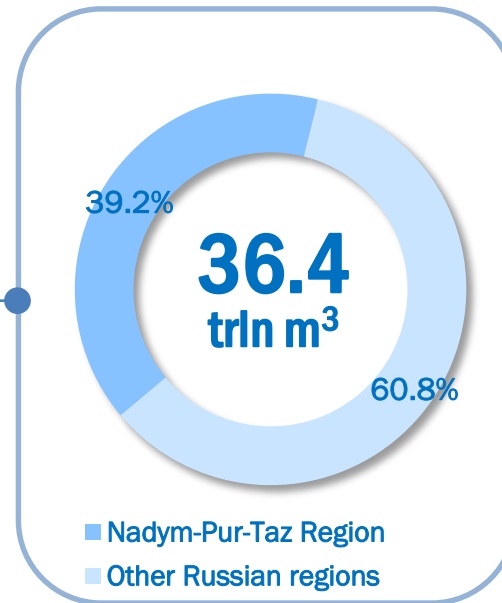
DEPARTMENT 123

# EXPLORED GAS RESERVES\*

## EXPLORED GAS RESERVES IN RUSSIA



## DISTRIBUTION OF GAZPROM'S RESERVES



**17%**  
OF GLOBAL RESERVES

**72%**  
OF RUSSIAN RESERVES

**>85 years**  
SUFFICIENCY OF RESERVES

**GAS RESERVES FROM GAZPROM'S CONVENTIONAL FIELDS PROVIDE FOR RELIABLE GAS SUPPLIES TO DOMESTIC AND INTERNATIONAL MARKETS FOR MANY YEARS TO COME**

\* as of December 31, 2016

# GAZPROM'S PRODUCTION AND RESERVE ADDITIONS

2016

11%

SHARE IN GLOBAL GAS PRODUCTION

66%

SHARE IN RUSSIAN GAS PRODUCTION

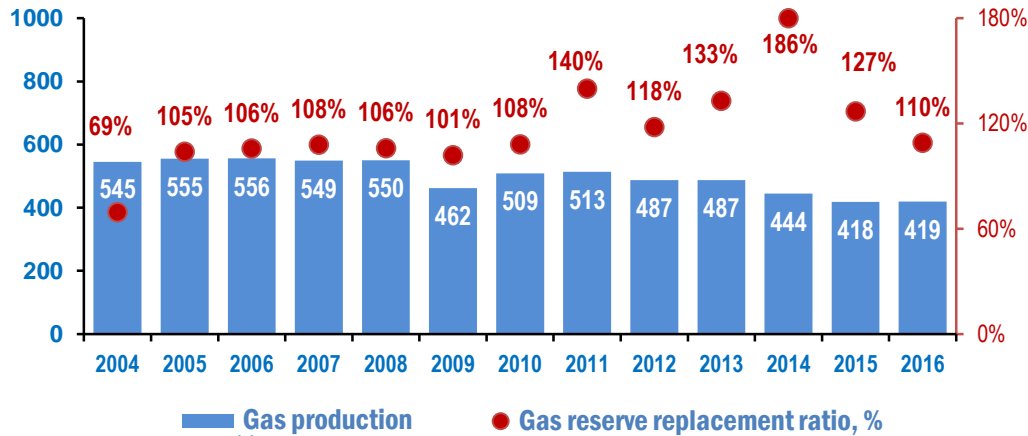
419 bln m<sup>3</sup>

GAS PRODUCED IN RUSSIA

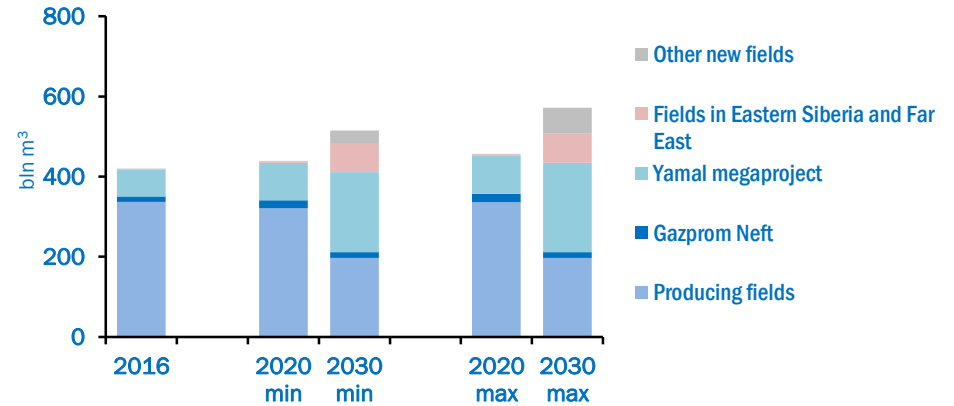
11%

SHARE IN RUSSIAN OIL AND GAS CONDENSATE PRODUCTION

## GAS PRODUCTION AND RESERVE ADDITIONS



## PROMISING PRODUCTION SOURCES



OVER LAST 12 YEARS GAZPROM HAS ACTIVELY ENSURED REPLENISHMENT OF ITS RESERVE BASE (RESERVES ADDITION RATES HAVE SURPASSED PRODUCTION RATES EVERY YEAR)



DECLINING PRODUCTION OBSERVED IN RECENT YEARS WAS MAINLY CAUSED BY UNFAVORABLE ENVIRONMENT IN DOMESTIC GAS MARKET. TODAY, GAZPROM HAS CAPACITY TO INCREASE ANNUAL GAS SUPPLIES BY MORE THAN 150 BLN M<sup>3</sup>



IN LIGHT OF FAVORABLE MARKET ENVIRONMENT, BOTH IN RUSSIA AND ABROAD, IT IS PLANNED TO CONSIDERABLY RAMP UP COMPANY'S OUTPUT IN FUTURE (MOSTLY THROUGH FIELDS IN YAMAL, EASTERN SIBERIA, AND FAR EAST)

# PARAMETERS OF PROMISING FIELDS

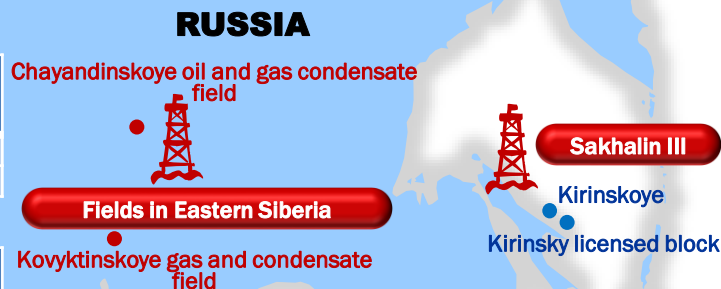
Nadym-Pur-Taz fields	Planned maximum production, bln m <sup>3</sup> /year	Production startup	Attainment of nominal capacity
Urengoykoye (area 1)	9.6	2008	2021-2023
Urengoykoye (area 2)	8.7	2009	2021-2023
Urengoykoye (areas 4-5)	15.5	2020-2021	2024-2027
Pestsovoye (Lower Cretaceous deposits)	2.1	2020-2021	2025-2026
Medvezhye (Nydingy area)	2.7	2011	2020-2021

Eastern fields	Planned maximum production, bln m <sup>3</sup> /year	Production startup	Attainment of nominal capacity
Kirinskoye	5.5	2014	2021-2022
Yuzhno-Kirinskoye	21	2023	2033-2034
Chayandinskoye	25		under contract*
Kovyktinskoye	25		under contract*

## Fields in Nadym-Pur-Taz and Yamal



Ob and Taz Bay fields	Planned maximum production, bln m <sup>3</sup> /year	Production startup	Attainment of nominal capacity
Kamennomysskoye-Sea	15.1	2023-2025	2025-2027
Severo-Kamennomysskoye	14.5	2025-2027	2030-2032



## Fields in Eastern Siberia

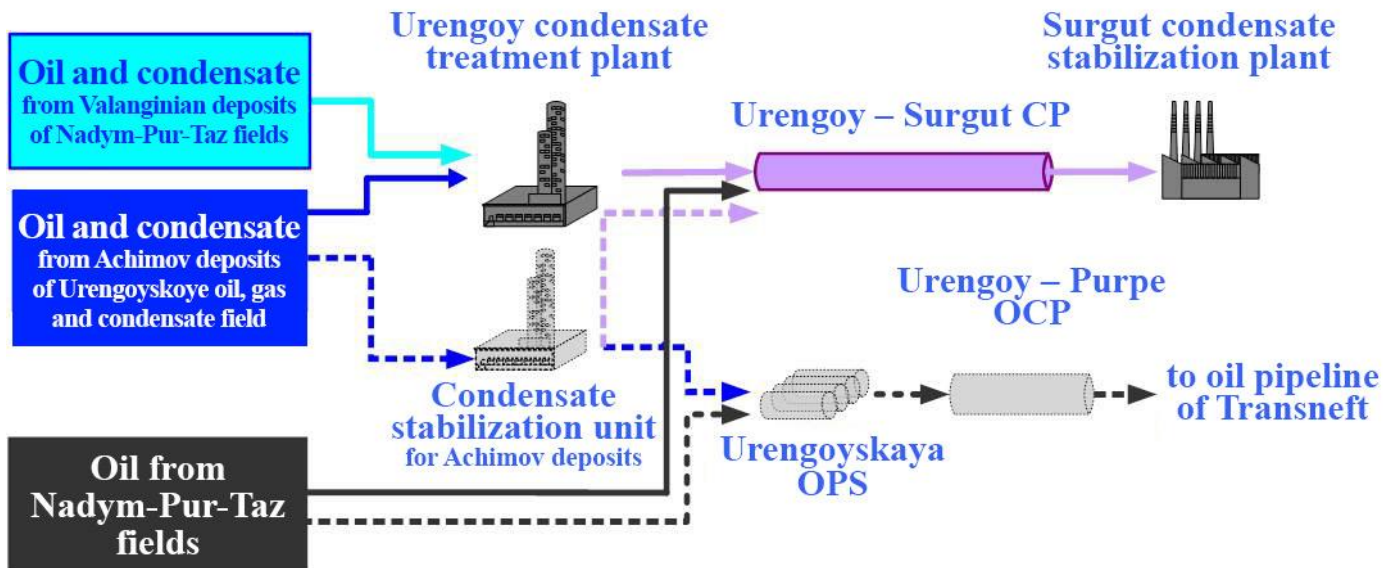
Yamal fields	Planned maximum production, bln m <sup>3</sup> /year	Production startup	Attainment of nominal capacity
Bovanenkovskoye (Cenomanian-Aptian deposits)	115	2012	2021-2024
Bovanenkovskoye (Neocomian-Jurassic deposits)	25	2024-2025	2029-2030
Kharasaveyskoye (Cenomanian-Aptian deposits)	32	2023-2024	2026-2027
Kharasaveyskoye (Neocomian-Jurassic deposits)	18	2026-2027	2028-2029

● Onshore fields

● Offshore fields

\* production startup will be synchronized with launch of gas supplies under contract with CNPC (stated for period from May 2019 to May 2021)

# TREATMENT AND TRANSMISSION FACILITIES FOR HEAVY HYDROCARBON LIQUIDS IN NADYM-PUR-TAZ REGION (ALTERNATE SCHEME)



facilities under construction

facilities in operation

CP - condensate pipeline  
 OCP - oil and condensate pipeline  
 OPS - oil pumping station

Valanginian condensate  
 Achimov condensate  
 deethanized condensate  
 oil (oil, gas and condensate mixture)

Facilities	Commissioning deadlines
Condensate stabilization unit for Achimov deposits	2019
Urengoyskaya oil pumping station	2019
Urengoy-Purpe oil and condensate pipeline	2019
Completion of 107-288 km section of Urengoy - Surgut condensate pipeline's string II	2018
Reconstructed and upgraded facilities of Urengoy condensate treatment plant and Surgut condensate stabilization plant	2020-2023