

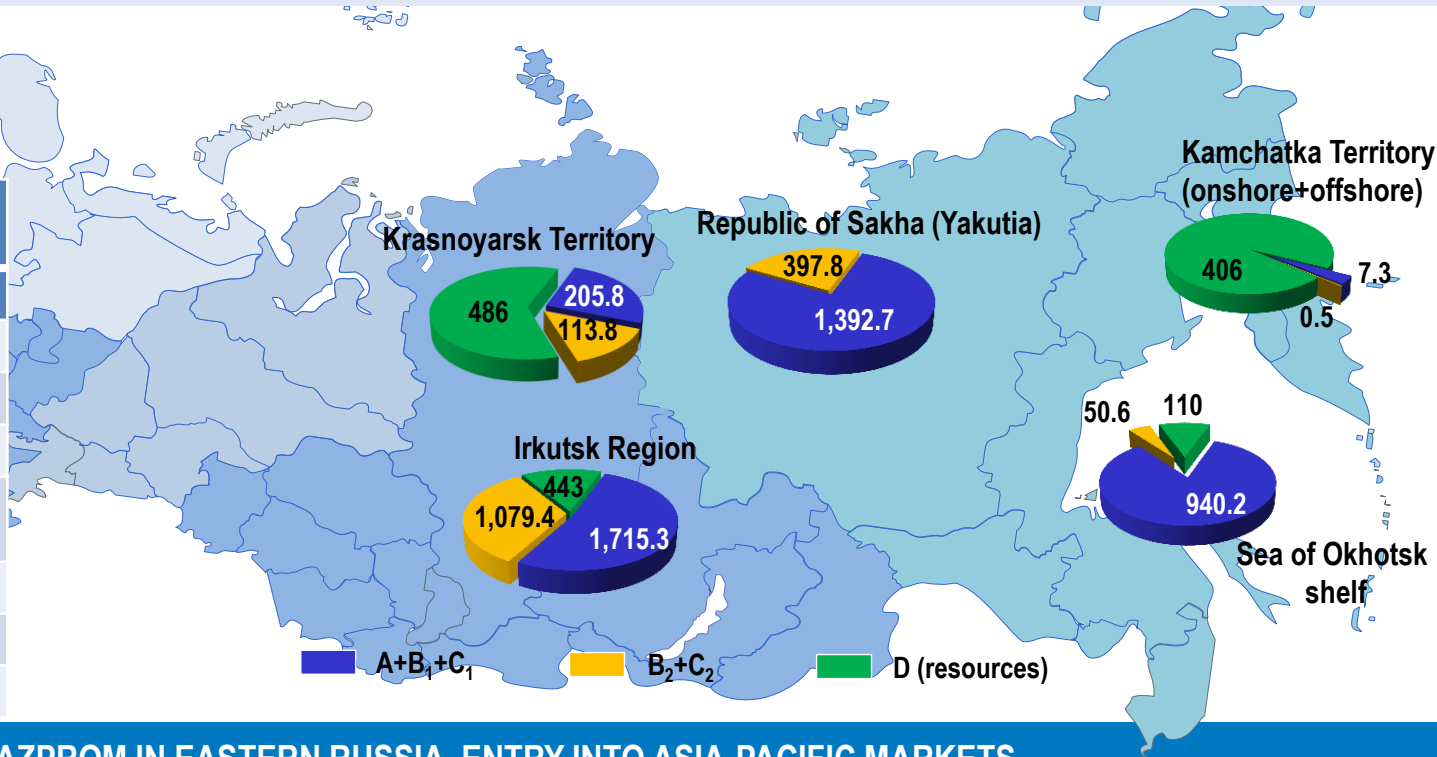
GAZPROM IN EASTERN RUSSIA, ENTRY INTO ASIA-PACIFIC MARKETS

Gazprom's Resource Base in Eastern Siberia and Russian Far East (as of January 1, 2019), bln m³

Gas reserves in Gazprom Group's licensed blocks in Eastern Siberia and Russian Far East:

$A+B_1+C_1$ – 4,260 bln m³; B_2+C_2 – over 1,638.4 bln m³

Gazprom's licenses in Eastern Siberia and Russian Far East	
Location	Number
Sea of Okhotsk shelf	4
Kamchatka Territory	9
Republic of Sakha (Yakutia)	5
Irkutsk Region	5 <i>(incl. for one UGS facility)</i>
Krasnoyarsk Territory	13
Amur Region	2 <i>(for UGS facilities)</i>
TOTAL	38



Key Production Data for Chayandinskoye and Kovyktinskoye Fields

CHAYANDINSKOYE OIL, GAS AND CONDENSATE FIELD

RESERVES

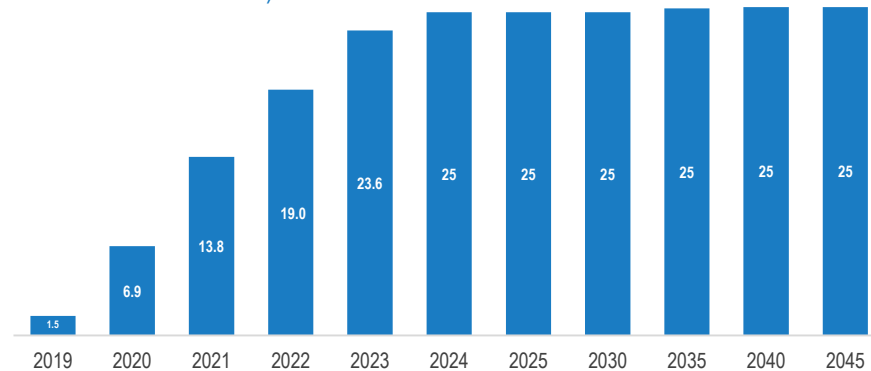
- 1,2 TRLN M³ OF GAS
- 61.6 MLN T OF OIL AND CONDENSATE

PLANNED GAS PRODUCTION

25.4 BLN M³ PER YEAR

2019 COMMISSIONING DATE

GAS PRODUCTION SCHEDULE, BLN M³



KOVYKTINSKOYE GAS AND CONDENSATE FIELD

RESERVES

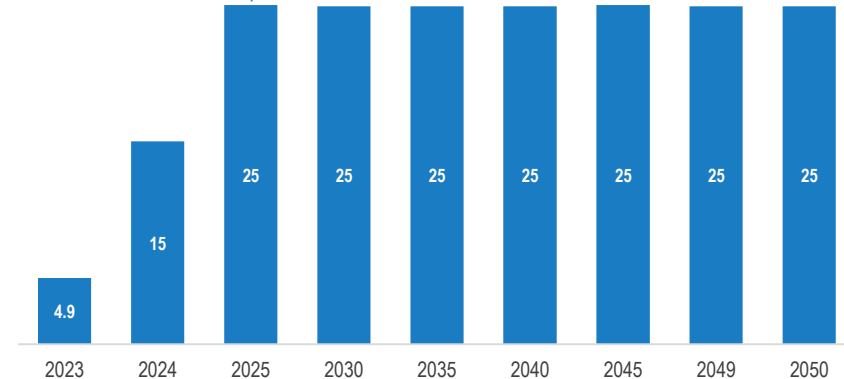
- 2.71 TRLN M³ OF GAS
- 90.6 MLN T OF CONDENSATE

PLANNED GAS PRODUCTION

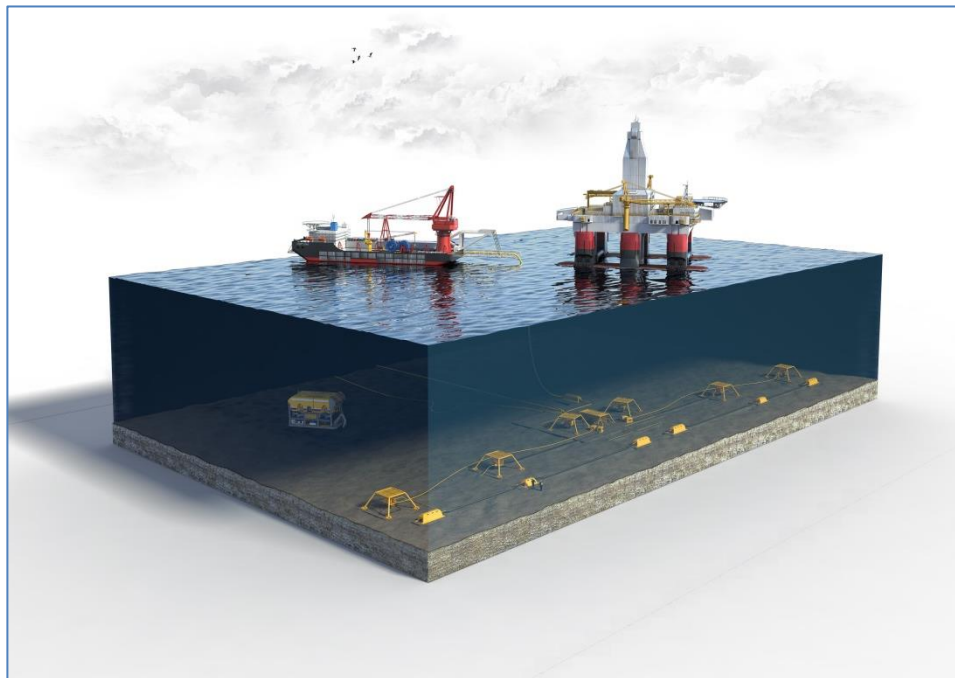
25 BLN M³ PER YEAR

DECEMBER 2022 COMMISSIONING DATE

GAS PRODUCTION SCHEDULE, BLN M³



Sakhalin III Project. Kirinskoye Field



Field was put onstream in **2014**

Planned gas production – **5.5 bln m³** per year

Construction of **7** production wells completed:

- 2 wells connected to gathering system
- 5 wells to be connected

Power of Siberia Gas Pipeline Chayandinskoye and Kovyktinskoye Fields

- LENGTH OF **POWER OF SIBERIA** GAS PIPELINE IS AROUND **3,000 KM**
DIAMETER – **1,420 MM**
PRESSURE – **9.8 MPa**
- ANNUAL EXPORT CAPACITY – **38 BLN M³ OF GAS**
- **CHAYANDINSKOYE AND KOVYKTINSKOYE FIELDS** IDENTIFIED AS RESOURCE BASE FOR GAS SUPPLIES TO CHINA VIA **POWER OF SIBERIA** GAS PIPELINE
- CHAYANDINSKOYE FIELD IS OF PRIME IMPORTANCE FOR **YAKUTIA GAS PRODUCTION CENTER'S** DEVELOPMENT
- KOVYKTINSKOYE FIELD IS OF CENTRAL IMPORTANCE FOR **IRKUTSK GAS PRODUCTION CENTER'S** DEVELOPMENT



Sakhalin – Khabarovsk – Vladivostok Gas Pipeline



Length of single-string pipeline – over 1,800 km
Diameter – 1,200 mm
Pressure – 9.8 MPa

Geological Exploration to Identify Potential Sites for UGS Facilities



Planned Export Routes for Amur GPP Products



Propane and butane

- Planned LPG production at Amur GPP – up to 1.5 mln t per year
- Consideration is being given to possibilities for LPG processing within Russia, as well as to LPG exports to Asia-Pacific countries (Japan, China, South Korea)
- LPG will be transshipped at designated offshore and onshore terminals if LPG export option is chosen

Liquefied helium

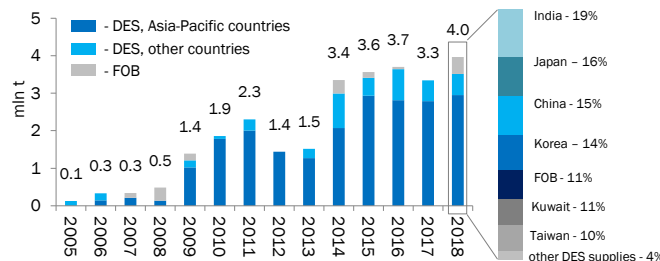
- Shipments in special helium tank containers
- Road transportation to logistics hub located near container ports
- Delivery of containers to buyers in ports
- Main sales markets: China, Japan, South Korea, Taiwan, and other countries
- Planned delivery volume – up to 60 mln m³ per year

ASIA-PACIFIC REGION REMAINS IN FOCUS FOR GAZPROM GROUP

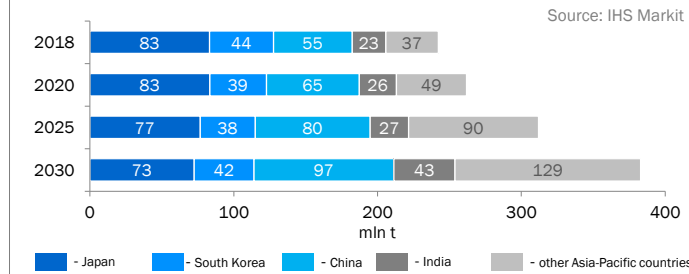
In 2018, **Asia-Pacific** markets accounted for **over 70%** of **Gazprom** Group's LNG deliveries.

We plan to further ramp up LNG supplies to Asia-Pacific markets both via our LNG projects carried out locally and from our LNG trading portfolio.

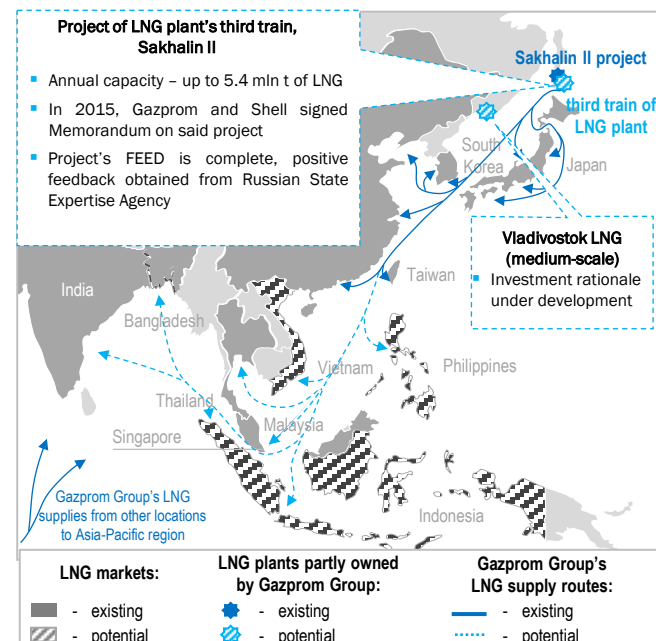
Gazprom Group's LNG supply markets



LNG demand outlook in Asia-Pacific countries



Gazprom Group's LNG business in Asia-Pacific region



Natural Gas Deliveries to Chinese Market

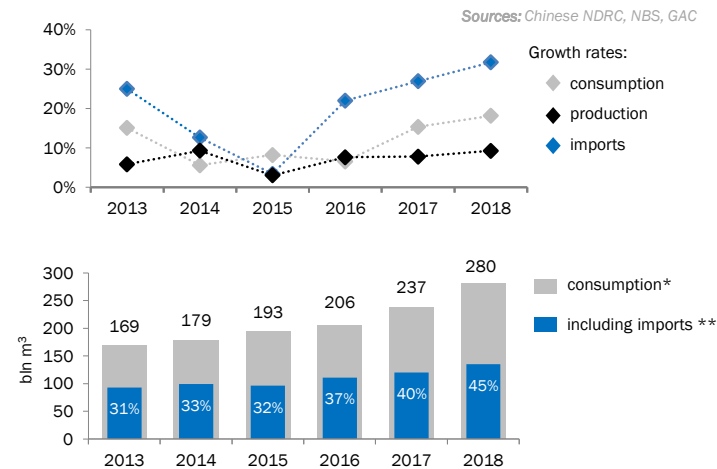
Pipeline gas supplies from Russia to China via eastern route will commence on December 1, 2019.

We are getting ready to start pipeline gas deliveries to China under Sales and Purchase Agreement with CNPC for gas to be supplied via eastern route and also looking into other promising areas of cooperation with Chinese partners.

* Difference of gas consumption and gas imports corresponds to volume of domestic production added to volume of natural gas in storage, volume of losses and statistical margin of error. Gas consumption data for 2018 are based on Chinese NDRC statistics concerning gas supplies to China's market (domestic production and imports).

** With reference to gas consumption-to-imports ratio.

Natural gas consumption and imports in Chinese market



Current and potential areas of cooperation with Chinese partners



PIPELINE GAS SUPPLIES



LNG SUPPLIES



GAS EXPLORATION AND PRODUCTION IN THIRD COUNTRIES



UNDERGROUND GAS STORAGE



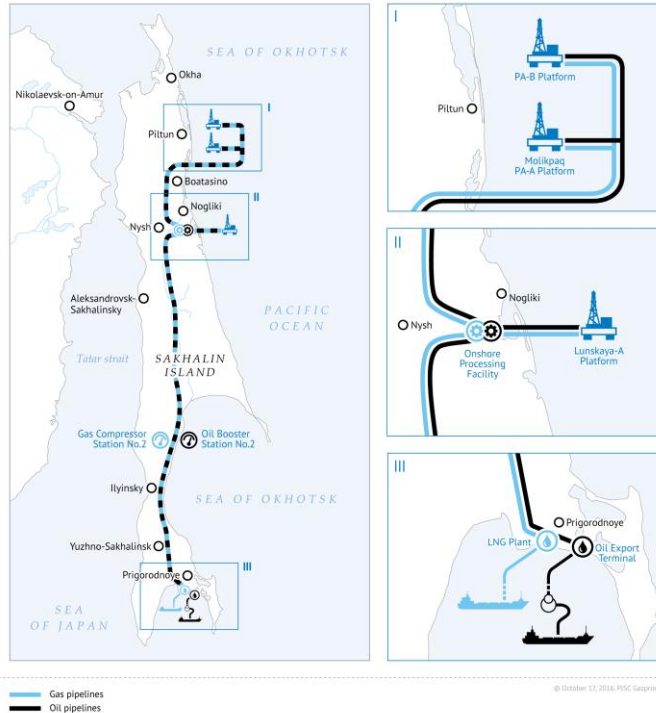
GAS-FIRED POWER GENERATION



NGV FUEL AND SMALL-SCALE LNG



SCI-TECH COOPERATION



Sakhalin II project includes development of Piltun-Astokhskoye and Lunskeye oil, gas and condensate fields in Sea of Okhotsk under Production Sharing Agreement between Sakhalin Energy and Russian Government

2018 results:

- Gas production – **18.2 bln m³**
- LNG production – **11.4 mln t**
- Oil production – **5.6 mln t**

In April 2019, Sakhalin Energy celebrated its 25th anniversary. Over years of its existence, SEIC has exhibited excellent operating performance:

- LNG production – over **100 mln t**
- Oil production – around **70 mln t**