Gazprom in Figures 2016–2020 Factbook

Gazprom in Russian and Global Energy Industry

	As at and for the year ended 31 December				
	2016	2017	2018	2019	2020
Share in the world natural gas industry					
Gas reserves*	17.1%	16.7%	16.2%	16.3%	15.6%
Gas production*	11.2%	12.0%	12.1%	11.7%	10.9%
Share in the Russian fuel and energy complex					
Russian natural gas reserves	71.7%	71.7%	71.1%	71.1%	70.3%
Gas production**	65.6%	68.3%	68.7%	67.9%	65.6%
Crude oil and gas condensate production**	11.5%	11.8%	11.6%	11.5%	12.4%
Primary processing of oil and stable gas condensate**	18.4%	17.7%	18.2%	18.2%	18.7%
Electricity generation**	14.6%	14.8%	14.1%	13.7%	12.5%
Total length of trunk pipelines and pipeline branches in Russia*, thousand km**	**171.8**	**172.1**	**172.6**	**175.2**	**176.8**

* Based on International Natural Gas Centre CEDIGAZ and PJSC Gazprom figures. Statistics on international production and trade are adjusted to Russian standard terms and conditions using 1.07 ratio.

** Based on Federal State Statistics Service, Ministry of Energy of Russia, the System operator of the Unified Energy System of Russia and PJSC Gazprom figures.

*** Including technological jumpers.

Financial Results

Major financial results and ratios of Gazprom Group

	As at and for the year ended 31 December				
	2016	**2017**	**2018**	**2019**	**2020**
Statement of comprehensive income figures					
Sales, RUB mm	6,111,051	6,546,143	8,224,177	7,659,623	6,321,559
Operating expenses, RUB mm	5,280,876	5,697,056	6,181,191	6,387,071	5,665,762
Operating profit, RUB mm	726,639	871,405	1,930,030	1,119,857	614,851
Adjusted EBITDA, RUB mm	1,323,258	1,467,692	2,599,284	1,859,679	1,466,541
Profit for the year, RUB mm	997,104	766,879	1,528,996	1,269,517	162,407
Profit for the year attributable to owners of PJSC Gazprom, RUB mm	951,637	714,302	1,456,270	1,202,887	135,341
Basic and diluted earnings per share for profit attributable to the owners of PJSC Gazprom, RUB	42,19	32,32	65,89	53,47	5,66
Balance sheet figures					
Total assets, RUB mm	16,918,938	18,238,770	20,810,440	21,882,348	23,352,185
Current assets, RUB mm	3,234,346	3,469,266	4,212,230	3,828,153	3,774,289
Inventories, RUB mm	711,199	772,314	909,677	946,361	971,789
Current liabilities, RUB mm	1,921,808	2,589,516	2,473,695	2,527,476	2,626,964
Total debt, RUB mm	2,829,623	3,266,518	3,863,822	3,863,904	4,907,614
Net debt, RUB mm	1,932,895	2,397,511	3,014,403	3,167,847	3,872,695
Equity, excluding non-controlling interest, RUB mm	11,094,531	11,629,086	13,300,009	14,104,833	14,237,943
Equity, including non-controlling interest, RUB mm	11,441,839	12,015,481	13,776,153	14,615,687	14,804,732
Capital expenditures*, RUB mm	1,357,336	1,504,600	1,795,884	1,818,677	1,494,185
Statement of cash flows figures					
Cash flows from operating activities, RUB mm	1,571,323	1,187,022	1,617,384	1,709,384	1,918,891
Capital expenditures, RUB mm	(1,369,052)	(1,405,780)	(1,639,474)	(1,775,923)	(1,522,565)
Cash flows from investing activities, RUB mm	(1,445,965)	(1,368,131)	(1,617,718)	(1,938,109)	(1,545,602)
Cash flows from financing activities, RUB mm	(460,479)	149,944	(96,070)	152,375	(106,421)
Cash and cash equivalents as at the end of the reporting year, RUR mm	896,728	869,007	849,419	696,057	1,034,919
Self-financing ratio	115%	84%	99%	96%	126%
Adjusted financial statement measures**					
Profit for the year attributable to owners of PJSC Gazprom (adjusted), RUB mm	609,184	651,670	1,678,319	994,309	594,143
Net debt (adjusted), RUB mm	1,746,630	2,067,983	2,216,831	2,491,425	3,856,032
Return ratios***					
Return on Operating profit	12%	13%	23%	15%	10%
Return on Adjusted EBITDA	22%	22%	32%	24%	23%
Return on Profit for the year	16%	12%	19%	17%	3%
Return on Assets (ROA)	6%	4%	8%	6%	1%
Return on Equity (ROE)	9%	7%	12%	9%	1%

	As at and for the year ended 31 December				
	2016	2017	2018	2019	2020
Ratios of total and net debt					
Total debt / Equity and non-controlling interest	25%	27%	28%	26%	33%
Total debt / Total debt, Equity and non-controlling interest	20%	21%	22%	21%	25%
Total debt / Total assets	17%	18%	19%	18%	21%
Total debt / Adjusted EBITDA	2.14	2.23	1.49	2.08	3.35
Net debt / Adjusted EBITDA	1.46	1.63	1.16	1.70	2.64
Net debt (adjusted) / Adjusted EBITDA	1.32	1.41	0.85	1.34	2.63
Liquidity ratios* **					
Current liquidity ratio	1.68	1.34	1.70	1.51	1.44
Quick liquidity ratio	1.31	1.04	1.34	1.14	1.07
Other ratios* **					
EV / EBITDA	4.2	3.7	2.6	5.0	6.1
P / E	3.6	4.0	2.3	4.8	37.6
P / S	0.6	0.5	0.4	0.8	0.8

* Capital expenditures are derived from Segment Information in Gazprom's Group IFRS consolidated financial statements.

** These measures do not appear in the financial statements. Calculated in accordance with the Dividend Policy of PJSC Gazprom approved by PJSC Gazprom's Board of Directors in 2019 (Resolution of PJSC Gazprom's Board of Directors No. 3363 dated 24 December 2019). For calculation formulas, see the Calculation of Adjusted Financial Statement Measures and Financial Ratios section.

*** Calculation is provided in the Calculation of Financial Ratios section.

Macroeconomic Data

Indicator*	Unit	As at and for the year ended 31 December				
		2016	2017	2018	2019	2020
Consumer price index	%	5.4%	2.5%	4.3%	3.0%	4.9%
Producer price index	%	7.4%	8.4%	11.7%	–4.3%	3.6%
Average RUB/USD currency exchange rate for the period	RUB/USD	66.83	58.31	62.90	64.64	72.43
RUB/USD currency exchange rate at the end of the period	RUB/USD	60.66	57.60	69.47	61.91	73.88
Average RUB/EUR currency exchange rate for the period	RUB/EUR	73.99	66.02	74.11	72.35	82.89
RUB/EUR currency exchange rate at the end of the period	RUB/EUR	63.81	68.87	79.46	69.34	90.68
Brent oil price (Dated)**	USD/barrel	54.94	66.54	50.21	66.77	50.49
Urals oil price (average CIF MED/RDAM)**	USD/barrel	53.27	66.19	51.18	62.38	49.20
Brent average annual oil price (Dated)**	USD/barrel	43.73	54.19	71.31	64.21	41.84
Urals average annual oil price (average CIF MED/RDAM)**	USD/barrel	42.10	53.06	70.05	63.37	41.88

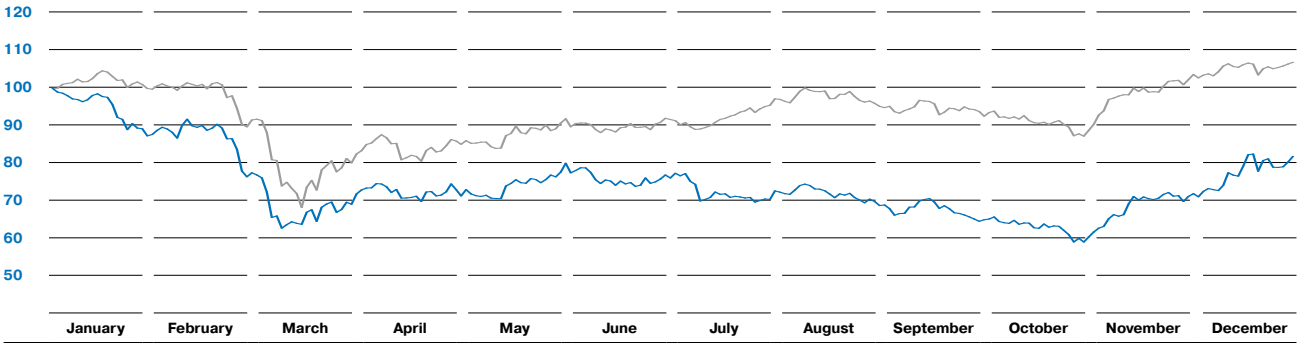
* Economic indicators and exchange rates based on the data provided by Central Bank of Russia and the Federal State Statistics Service. The average exchange rates calculated based on the working days exchange rates provided by Central Bank of Russia.
** Source: Platts.

Market Data

Indicator	Unit	As at and for the year ended 31 December				
		2016	2017	2018	2019	2020
Price per share on Moscow Exchange						
as at the end of the year	RUB	154.55	130.50	153.50	256.40	212.69
minimum	RUB	124.60	115.35	132.20	149.49	154.28
maximum	RUB	168.47	157.97	172.11	270.74	259.00
Price per ADR on LSE						
as at the end of the year	USD	5.05	4.41	4.43	8.23	5.59
minimum	USD	3.02	3.85	4.14	4.47	3.83
maximum	USD	5.27	5.27	5.31	8.35	8.42
Number of PJSC Gazprom's ordinary shares issued, as at the end of the year	mm shares	23,674	23,674	23,674	23,674	23,674
Number of PJSC Gazprom's ordinary shares issued, held by the subsidiaries of PJSC Gazprom, as at the end of the year	mm shares	1,573	1,573	1,573	29	29
Number of PJSC Gazprom's ordinary shares issued less shares held by the subsidiaries of PJSC Gazprom, as at the end of the year*	mm shares	22,101	22,101	22,101	23,645	23,645
Market capitalization**	USD bn	60.3	53.6	52.3	98.0	68.2
change (y-o-y)	%	36.4%	–11.1%	–2.4%	87.5%	–30.5%
MOEX Russia Index	points	2,233	2,110	2,369	3,046	3,289
change (y-o-y)	%	26.8%	–5.5%	12.3%	28.6%	8.0%
RTS Index	points	1,152	1,154	1,069	1,549	1,387
change (y-o-y)	%	52.2%	0.2%	–7.4%	44.9%	–10.5%
Daily average trading volume, Moscow Exchange	mm shares	29.9	28.9	26.3	37.0	56.6
Daily average trading volume, LSE	mm ADRs	15.9	12.0	9.2	8.1	8.4
Dividend per share***	RUB	8.0397	8.04	16.61	15.24	12.55
Share capital structure	RUB					
Russian Federation, Federal Agency for State Property Management****	RUB	38.37%	38.37%	38.37%	38.37%	38.37%
AO ROSNEFTEGAZ		10.97%	10.97%	10.97%	10.97%	10.97%
AO Rosgazifikatsiya	USD	0.89%	0.89%	0.89%	0.89%	0.89%
ADR holders*****	USD	26.86%	25.20%	24.13%	19.70%	16.71%
Other registered holders	USD	22.91%	24.57%	25.64%	30.07%	33.06%
Total	**mm shares**	**100%**	**100%**	**100%**	**100%**	**100%**

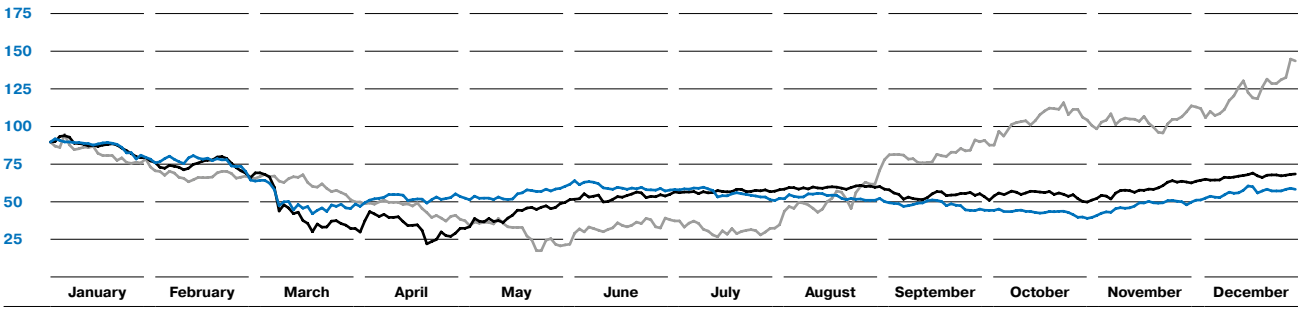
* As at 31 December of the respective year, there were no ordinary shares of PJSC Gazprom which belong to the Company.
** Market capitalization based on Moscow Exchange share price converted into USD.
*** For 2020 – recommended dividends.
**** As at 31 December of the respective year, the cumulative share in PJSC Gazprom directly or indirectly controlled by the Russian Federation and calculated by direct addition totals 50.23% and is owned through the full ownership of AO ROSNEFTEGAZ which also holds a 74.55% stake in AO Rosgazifikatsiya.
***** The Bank of New York Mellon issued American depositary receipts (ADR) on PJSC Gazprom's shares.

Comparison of dynamics of PJSC Gazprom's ordinary shares on Moscow Exchange and MOEX Russia Index in 2020, %



Note. All prices are given at 100% as at 1 January 2020.

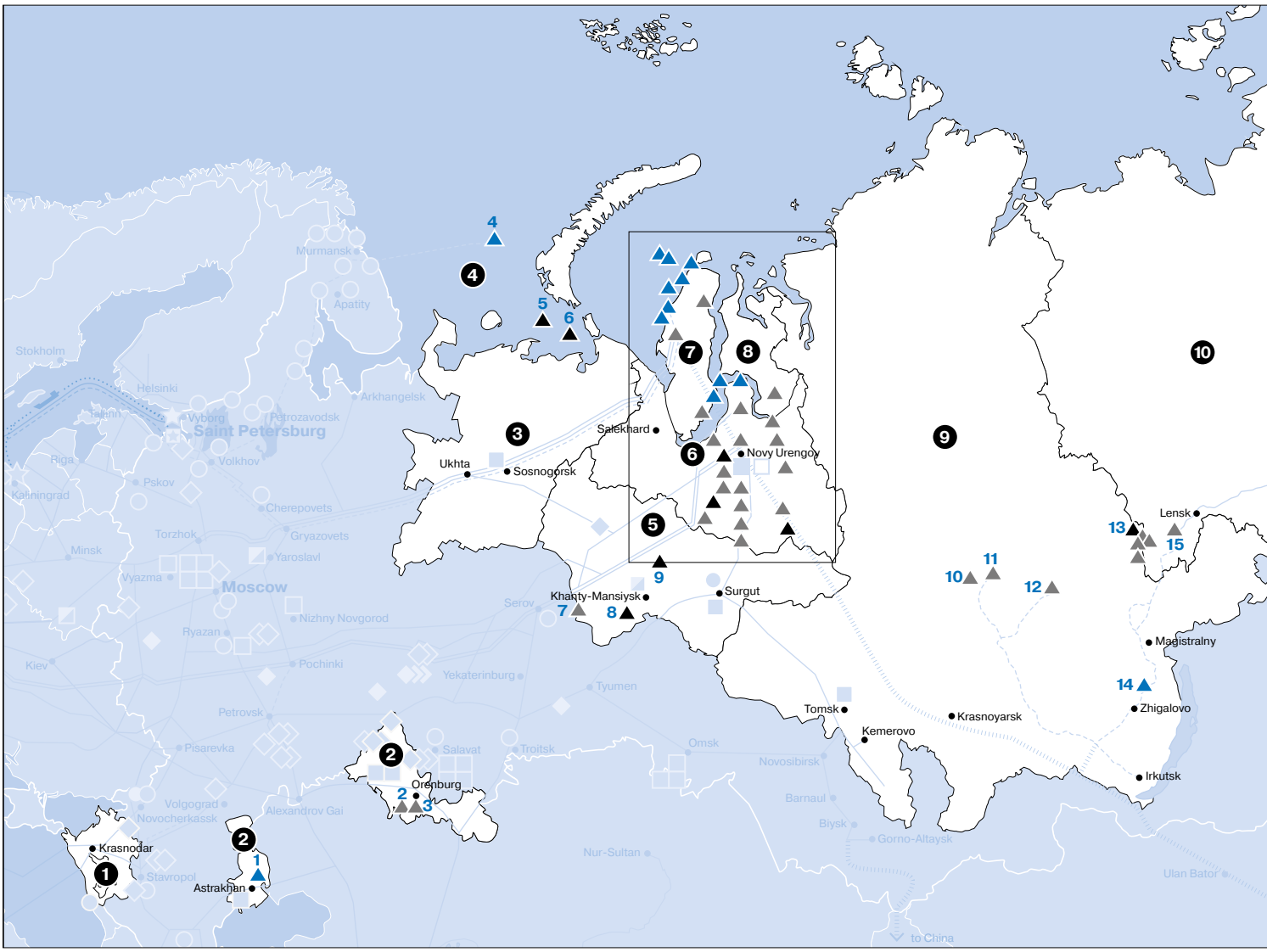
Comparison of dynamics of ADRs on PJSC Gazprom shares, Brent prices and gas prices on the European TTF in 2020, %



Note. All prices are given at 100% as at 1 January 2020.
Source: FactSet

Exploration and Production in Russia

The largest and other promising hydrocarbon fields of Gazprom Group and joint ventures in the Russian Federation, areas of geological exploration for hydrocarbons



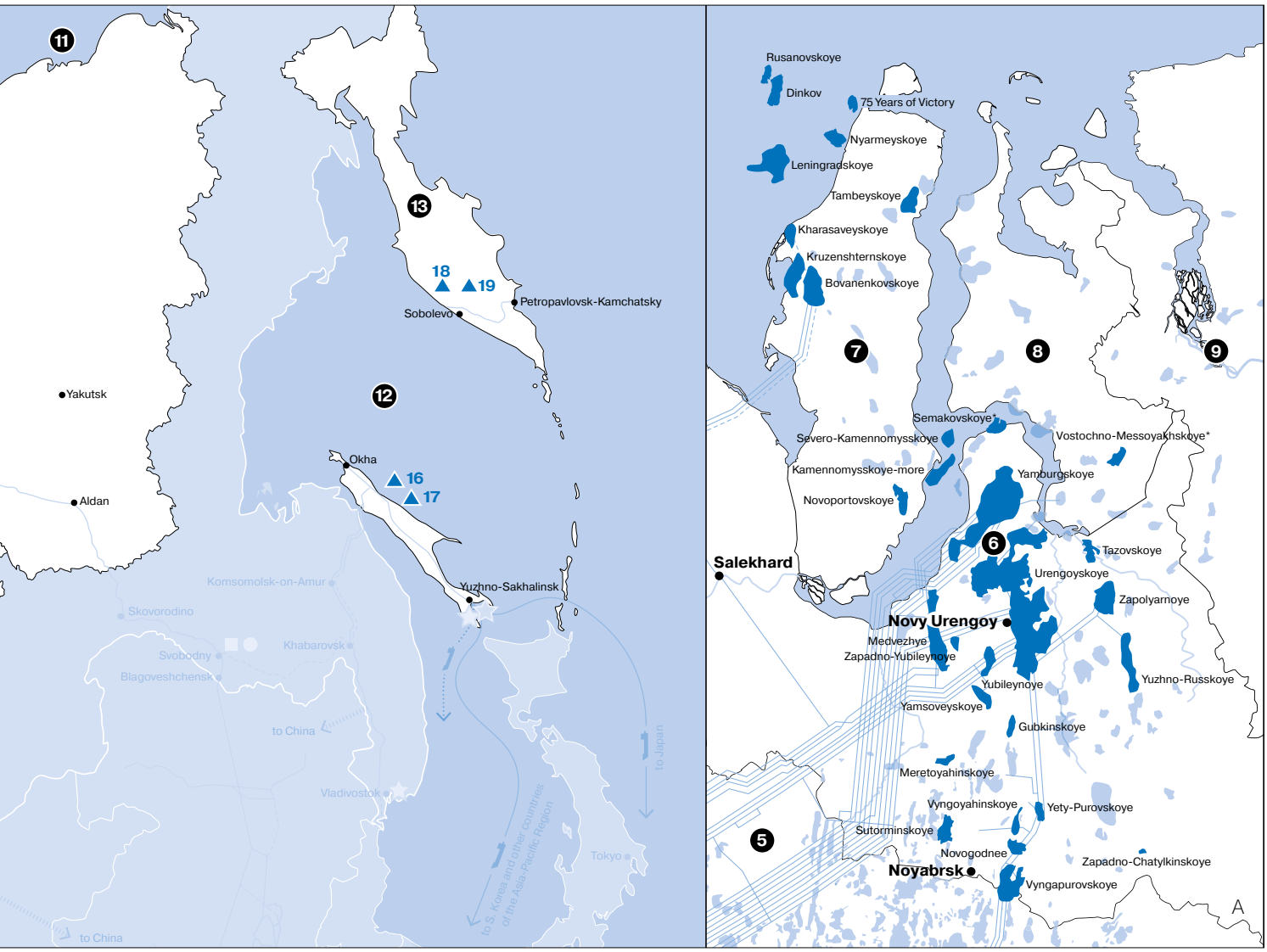
Legend

- Gas and gas condensate fields
- Oil and gas fields; and oil, gas and gas condensate fields
- Oil fields

Areas of geological exploration works

1. Krasnodar Territory
2. Astrakhan Region and Orenburg Region
3. Republic of Komi and Nenets Autonomous Area
4. Continental shelf of the Russian Federation in the Kara Sea, the Barents Sea and the Pechora Sea
5. Khanty-Mansi Autonomous Area – Yugra
6. North of Taz Peninsula, Ob and Taz bays, Nadym-Pur-Taz region
7. Yamal Peninsula
8. Gydan Peninsula
9. Krasnoyarsk Territory, Irkutsk, Tomsk and Kemerovo regions
10. Republic of Sakha (Yakutia)
11. Continental shelf of the Russian Federation in the Vostochno-Sibirskoye Sea and the Chukotskoye Sea
12. Continental shelf of the Russian Federation in the Okhotsk Sea
13. Kamchatka Peninsula

Note. As at 31 December 2020.



Other fields

	Fields in the Nadym-Pur-Taz region and on the Yamal Peninsula
1	Astrakhanskoye
2	Orenburgskoye
3	Eastern section of the Orenburgskoye field
4	Shtokmanovskoye
5	Dolginskoye
6	Prirazlomnoye
7	Ervier (Ouryinskoye)* field
8	Alexander Zhagrin field
9	Priobskoye
10	Omorinskoye
11	Kuymbinskoye*
12	Sobinskoye
13	Chonsky cluster
14	Kovyktinskoye
15	Chayandinskoye
16	Kirinskoye
17	Yuzhno-Kirinskoye
18	Kshukskoye
19	Nizhne-Kvakchikskoye

* Field licence holders are Group's joint ventures.

Reserves

Hydrocarbon reserves of Gazprom Group are classified in accordance with both Russian and international methodologies, the latter being part of the Petroleum Resources Management System (PRMS). PRMS is international reserves classification standard that in 2007 has replaced SPE definitions published in 1997.

Russian classification of reserves

Starting from 2016, Russia has been applying the Oil and Flammable Gases Classification (Russian classification of reserves, Classification) approved by the Ministry of Natural Resources of Russia (Decree No. 477 dated 1 November 2013). Reserves are now classified into the following categories: A (developed, drilled), B_1 (developed, undrilled, explored), B_2 (undrilled, estimated), C_1 (explored) and C2 (estimated). Resources are categorised into D_0, D_I (localised), D_1 and D_2.

Corporate reporting statements indicate an aggregate of categories $A+B_1+C_1$, or explored reserves of high geological certainty and correspond to previously accepted categories $A+B+C_1$. Russian classification of reserves introduced recoverable gas reserves, which were previously assumed to equal geological reserves. The estimation of recoverable gas, gas condensate and oil reserves is based on field development projects approved since 2016 onward. Since 2019, the gas recovery factor for explored fields is applied in accordance with the recovery rate estimation methodology approved by the State Reserves Commission in 2018 (developed by OOO Gazprom Geologorazvedka).

According to the Classification, recoverable gas reserves are accounted for in the corporate reports. Since the recovery rate is always less than 100%, gas reserves included in the reports may decrease. This change in gas reserves will occur gradually as new field development projects are approved and the GRF estimation for the field reserves is completed. Also, based on newly approved field development projects, recoverable reserves will be determined for economically viable life of fields. As at 31 December 2020 the Company had completed the assessment of gas recovery factors for the fields containing 41% of Gazprom Group's $A+B_1+C_1$ gas reserves.

PRMS International Standards

Estimation of recoverable reserves under PRMS International Standards takes into account both the probability of hydrocarbon occurrence in a given geological formation and economic viability of extraction. Factors influencing the economic viability of a given deposit and accounted for in the estimation include costs of exploration, drilling, production and transportation, taxes, current market prices for hydrocarbons, etc.

PRMS International Standards classify reserves as proved, probable and possible.

Proved reserves include reserves confirmed with a high degree of certainty through analysis of the development history and/or volume method analysis of relevant geological and engineering data. Proved reserves are those with a higher than 90% probability of extraction based on available evidence, the probability assessment accounting for technical and economic factors.

Probable reserves are those located within the geological structure with a lesser degree of certainty because fewer wells have been drilled and/or certain operational tests have not been conducted. Probable reserves have a higher than 50% probability of extraction based on available evidence; the probability assessment also takes into account technical and economic factors.

It is clear that estimation of proved and probable reserves of natural gas involves multiple uncertainties. Its accuracy depends on the quality of available information and interpretation in engineering and geological terms. Results of drilling, testing and production after the date of audit might cause reserves to be revised upwards or downwards. Changes in the price of natural gas, gas condensate or oil may also affect proved and probable reserves estimates, future net revenues and net present value, because estimation of reserves is always based on prices and costs as at the audit date.

Hydrocarbon reserves of Gazprom Group in Russia

(including share in the reserves of entities, investments in which are classified as joint operations)

Metric units

	As at 31 December				
	2016	2017	2018	2019	2020
Natural gas, bcm					
Reserves, Russian classification	36,443.9	35,355.4	35,195.3	34,899.0	33,574.5
share audited under PRMS standards	95%	94%	93%	93%	92%
Proved	18,596.5	18,253.4	17,890.4	17,715.1	17,475.4
Probable	5,258.6	5,893.2	6,364.7	6,680.4	7,045.6
Proved + probable	**23,855.1**	**24,146.6**	**24,255.1**	**24,395.5**	**24,521.0**
Gas condensate, mm tonnes					
Reserves, Russian classification	1,534.9	1,595.6	1,604.4	1,569.7	1,494.4
share audited under PRMS standards	94%	93%	94%	95%	95%
Proved	759.2	797.7	759.7	730.2	750.8
Probable	259.7	308.0	330.5	333.0	359.4
Proved + probable	**1,018.9**	**1,105.7**	**1,090.2**	**1,063.2**	**1,110.2**
Crude oil, mm tonnes					
Reserves, Russian classification	2,078.5	2,045.3	2,015.7	2,005.7	2,023.8
share audited under PRMS standards	93%	94%	94%	96%	96%
Proved	789.5	736.8	712.3	707.5	699.7
Probable	589.2	623.2	623.1	667.3	703.5
Proved + probable	**1,378.7**	**1,360.0**	**1,335.4**	**1,374.8**	**1,403.2**

Oil equivalent

	As at 31 December				
	2016	2017	2018	2019	2020
Natural gas, mm boe					
Reserves, Russian classification	236,520.9	229,456.5	228,417.5	226,494.5	217,898.5
Proved	120,691.3	118,464.5	116,108.7	114,971.0	113,415.4
Probable	34,128.3	38,246.9	41,306.9	43,355.8	45,725.9
Proved + probable	**154,819.6**	**156,711.4**	**157,415.6**	**158,326.8**	**159,141.3**
Gas condensate, mm boe					
Reserves, Russian classification	12,555.5	13,052.0,	13,124.0	12,840.1	12,224.2
Proved	6,210.3	6,525.2	6,214.3	5,973.0	6,141.5
Probable	2,124.3	2,519.4	2,703.5	2,723.9	2,939.9
Proved + probable	**8,334.6**	**9,044.6**	**8,917.8**	**8,696.9**	**9,081.4**
Crude oil, mm boe					
Reserves, Russian classification	15,235.4	14,992.1	14,775.1	14,701.8	14,834.5
Proved	5,787.0	5,400.7	5,221.2	5,186.0	5,128.8
Probable	4,318.8	4,568.1	4,567.3	4,891.3	5,156.7
Proved + probable	**10,105.9**	**9,968.8**	**9,788.5**	**10,077.3**	**10,285.5**

	As at 31 December				
	2016	2017	2018	2019	2020
Total, mm boe					
Reserves, Russian classification	264,311.8	257,500.6	256,316.6	254,036.4	244,957.2
Proved	132,688.6	130,390.4	127,544.2	126,130.0	124,685.7
Probable	40,571.5	45,334.4	48,577.7	50,971.0	53,822.5
Proved + probable	**173,260.1**	**175,724.8**	**176,121.9**	**177,101.0**	**178,508.2**

Note. For management accounting purposes, Gazprom Group measures hydrocarbon reserves and production in metric units. In this Factbook, gas reserves are converted from metric units to barrels of oil equivalent at a ratio of 1,000 cubic metres to 6.49 boe.

Change in Gazprom Group's hydrocarbon reserves (Russian classification of reserves) in Russia

(including share in the reserves of entities, investments in which are classified as joint operations)

	Natural gas bcm	Gas condensate* mm tonnes	Oil mm tonnes
Reserves as at 31 December 2015	**36,147.3**	**1,499.5**	**2,082.0**
Additions to reserves as a result of exploration	457.4	38.0	19.3
Transfer of reserves discovered in 2016 to the Undistributed Subsoil Fund of Russia** and to other companies, acquisition from other companies	–2.4	–1.7	–2.0
Receipt of licences, including:	257.5	10.9	15.0
due to new fields discovery***	–	–	–
following auctions and tenders	257.5	10.9	15.0
due to resolution of the Russian government, without tendering process	–	–	–
Return of licences	–0.6	–	–
Acquisition of assets	–	–	–
Disposal of assets	–	–	–
Revaluation	2.0	–0.1	11.1
Production (including losses)	–417.3****	–11.7	–46.9
Reserves as at 31 December 2016	**36,443.9**	**1,534.9**	**2,078.5**
Additions to reserves as a result of exploration	852.9	95.6	3.3
Transfer of reserves discovered in 2017 to the Undistributed Subsoil Fund of Russia** and to other companies, acquisition from other companies	–46.4	–	1.2
Receipt of licences, including:	12.8	1.9	–
due to new fields discovery***	–	–	–
following auctions and tenders	12.8	1.9	–
due to resolution of the Russian government, without tendering process	–	–	–
Return of licences	–0.1	–	–
Acquisition of assets	–	–	–
Disposal of assets	–	–	–9.4
Revaluation	–1,437.8	–24.8	19.8
Production (including losses)	–469.9****	–12.0	–48.1

	Natural gas bcm	Gas condensate* mm tonnes	Oil mm tonnes
Reserves as at 31 December 2017	**35,355.4**	**1,595.6**	**2,045.3**
Additions to reserves as a result of exploration	796.6	21.8	19.4
Transfer of reserves discovered in 2018 to the Undistributed Subsoil Fund of Russia** and to other companies, acquisition from other companies	–409.3	–0.6	–5.7
Receipt of licences, including:	–	–	0.8
due to new fields discovery***	–	–	0.8
following auctions and tenders	–	–	–
due to resolution of the Russian government, without tendering process	–	–	–
Return of licences	–	–	–
Acquisition of assets	–	–	0.1
Disposal of assets	–	–	–
Revaluation	–49.6	0.1	3.1
Production (including losses)	–497.8****	–12.5	–47.3
Reserves as at 31 December 2018	**35,195.3**	**1,604.4**	**2,015.7**
Additions to reserves as a result of exploration	556.7	11.7	29.0
Transfer of reserves discovered in 2019 to the Undistributed Subsoil Fund of Russia** and to other companies, acquisition from other companies	–0.4	–	–0.2
Receipt of licences, including:	2.7	–	7.4
due to new fields discovery***	2.7	–	–
following auctions and tenders	–	–	7.4
due to resolution of the Russian government, without tendering process	–	–	–
Return of licences	–0.8	–	–0.1
Acquisition of assets	100.6	6.3	–
Disposal of assets	–	–	–
Revaluation	–455.4	–39.4	1.4
Production (including losses)	–499.7****	–13.3	–47.5
Reserves as at 31 December 2019	**34,899.0**	**1,569.7**	**2,005.7**
Additions to reserves as a result of exploration	486.3	17.2	9.5
Transfer of reserves discovered in 2020 to the Undistributed Subsoil Fund of Russia** and to other companies, acquisition from other companies	–2.9	–	0.2
Receipt of licences, including:	15.7	1.2	2.8
due to new fields discovery***	–	–	–
following auctions and tenders	15.7	1.2	–
due to resolution of the Russian government, without tendering process	–	–	–
Return of licences	–	–	–
Acquisition of assets	–	–	–
Disposal of assets	–	–	–
Revaluation	–1,371.8	–80.5	51.4
Production (including losses)	–451.8****	–13.2	–45.8
Reserves as at 31 December 2020	**33,574.5**	**1,494.4**	**2,023.8**

* Any changes in gas condensate reserves due to production are recognized as converted into stable gas condensate (C5+). The production volume of unstable gas condensate of Gazprom Group see in Production section.

** Under the law of the Russian Federation, the subsoil user does not have any vested right to develop reserves discovered in areas covered by exploration licences or beyond the licenced areas. Such reserves shall be transferred to the Undistributed Subsoil Fund of the Russian Federation. Subsequently the subsoil user has a preference right to receive a licence for their development.

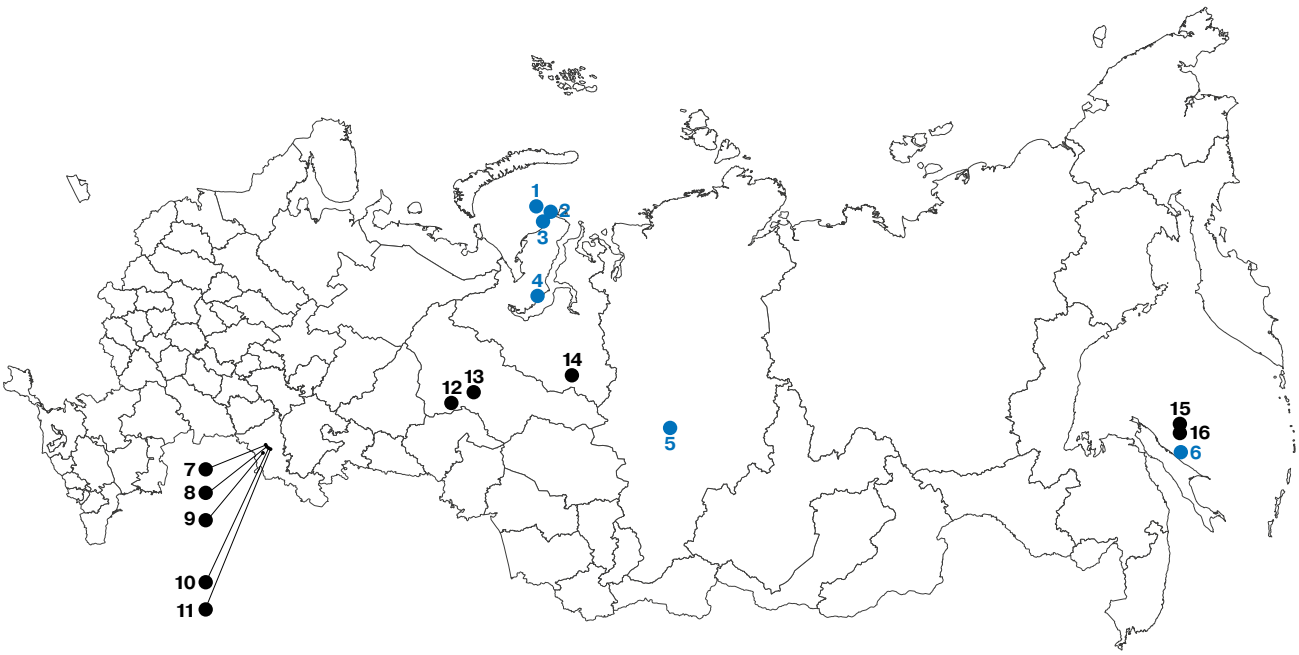
*** Including licences received by Gazprom Group in previous years.

**** Excluding dissolved gas.

Hydrocarbon fields and deposits discovered by Gazprom Group in the Russian Federation

	For the year ended 31 December				
	2016	2017	2018	2019	2020
Gazprom Group					
Fields	2	4	3	4	3
Deposits in previously discovered fields	15	47	12	25	22
Entities in which Gazprom has investments classified as joint operations (share in the reserves)					
Fields	–	1	1	1	1
Deposits in previously discovered fields	3	5	3	2	3

Hydrocarbon fields discovered by Gazprom Group in the Russian Federation in 2016-2020



	Gas and gas condensate fields
1	Dinkov field
2	75 Years of Victory
3	Nyarmeyskoye
4	Blizhneportovskoye
5	Salairskoye
6	Yuzhno-Lunskoye

	Oil fields
7	Roshchinskoye
8	Novosamarskoye
9	Yagodnoye
10	Tsentralno-Uranskoye
11	Novozarinskoye
12	Alexander Zhagrin field
13	Solhem
14	Zapadno-Chatylkinskoye
15	Triton
16	Neptune

Note. Excluding fields discovered by entities in which Gazprom has investments classified as joint operations.

Hydrocarbon fields discovered by Gazprom Group in the Russian Federation

(excluding fields discovered by entities in which Gazprom has investments classified as joint operations)

Discovery year	Discovered field name	Discovered field type*	Region of the Russian Federation
2016	Zapadno-Chatylkinskoye	O	Yamal-Nenets Autonomous Area
	Novosamarskoye	O	Orenburg Region
2017	Yuzhno-Lunskoye	GC	The Sea of Okhotsk continental shelf of Russia
	Salairskoye	GC	Krasnoyarsk Territory
	Alexander Zhagrin field	O	Khanty-Mansi Autonomous Area – Yugra
	Novozarinskoye	O	Orenburg Region
2018	Neptune	O	The Sea of Okhotsk continental shelf of Russia
	Triton	O	The Sea of Okhotsk continental shelf of Russia
	Blizhneportovskoye	G	Yamal-Nenets Autonomous Area
2019	Dinkov field	GC	The Kara Sea continental shelf of Russia
	Nyarmeyskoye	G	The Kara Sea continental shelf of Russia
	Yagodnoye	O	Orenburg Region
	Roshchinskoye	O	Orenburg Region
2020	75 Years of Victory	G	The Kara Sea continental shelf of Russia
	Solhem	O	Khanty-Mansi Autonomous Area – Yugra
	Tsentralno-Uranskoye	O	Orenburg Region

* Field type according to the Russian classification of reserves: OGC – oil and gas condensate field; OG – oil and gas field; GC – gas and condensate field; G – gas field; O – oil field.

Replacement ratio of Gazprom Group's hydrocarbon reserves, Russian classification of reserves

(including share in the reserves and production of entities, investments in which are classified as joint operations)

	For the year ended 31 December				
	2016	2017	2018	2019	2020
Natural gas	1.10	1.82	1.60	1.11	1.08
Gas condensate	3.25	7.97	1.74	0.88	1.30
Crude oil	0.41	0.07	0.41	0.61	0.21
Total	**1.08**	**1.81**	**1.49**	**1.06**	**1.00**

Natural gas reserves of Gazprom Group in Russia, PRMS standards, bcm

(including share in the reserves of entities, investments in which are classified as joint operations)

	As at 31 December				
	2016	2017	2018	2019	2020
PJSC Gazprom and its major subsidiaries*					
Proved	17,780.9	17,429.6	17,075.8	16,831.4	15,987.4
Probable	4,930.2	5,536.8	6,007.5	6,290.7	6,122.6
Proved + probable	**22,711.1**	**22,966.4**	**23,083.3**	**23,122.1**	**22,110.0**
PAO Gazprom Neft and its subsidiaries					
Proved	243.0	288.2	322.3	389.1	388.6
Probable	183.0	210.5	212.2	259.5	275.5
Proved + probable	**426.0**	**498.7**	**534.5**	**648.6**	**664.1**
Field facilities of PJSC Gazprom and its key subsidiaries developed by OOO Gazpromneft-Zapolyarye					
Proved	x	x	x	x	645.5
Probable	x	x	x	x	523.7
Proved + probable	**x**	**x**	**x**	**x**	**1,169.2**
ZAO Purgaz					
Proved	120.6	109.7	92.0	83.2	73.4
Probable	12.9	12.9	12.7	12.8	12.7
Proved + probable	**133.5**	**122.6**	**104.7**	**96.0**	**86.1**
OAO Severneftegazprom					
Proved	434.6	409.9	384.8	397.1	367.4
Probable	125.7	125.5	125.4	110.5	104.2
Proved + probable	**560.3**	**535.4**	**510.2**	**507.6**	**471.6**
Total (excluding share in the reserves of entities, investments in which are classified as joint operations)					
Proved	18,579.1	18,237.4	17,874.9	17,700.8	17,462.3
Probable	5,251.8	5,885.7	6,357.8	6,673.5	7,038.7
Proved + probable	**23,830.9**	**24,123.1**	**24,232.7**	**24,374.3**	**24,501.0**
Entities, investments in which are classified as joint operations (attributable to the share of Gazprom Group)					
Proved	17.4	16.0	15.5	14.3	13.1
Probable	6.8	7.5	6.9	6.9	6.9
Proved + probable	**24.2**	**23.5**	**22.4**	**21.2**	**20.0**
Total (including share in the reserves of entities, investments in which are classified as joint operations)					
Proved	18,596.5	18,253.4	17,890.4	17,715.1	17,475.4
Probable	5,258.6	5,893.2	6,364.7	6,680.4	7,045.6
Proved + probable	**23,855.1**	**24,146.6**	**24,255.1**	**24,395.5**	**24,521.0**

* As of 31 December 2020, the estimation excludes the reserves of field facilities licenced to PJSC Gazprom or its major subsidiaries and developed by OOO Gazpromneft-Zapolyarye under long-term risk-based operatorship (farm-out) agreements signed in 2018–2020.

Gas condensate reserves of Gazprom Group in Russia, PRMS standards, mm tonnes

(including share in the reserves of entities, investments in which are classified as joint operations)

	As at 31 December				
	2016	2017	2018	2019	2020
PJSC Gazprom and its major subsidiaries*					
Proved	751.7	788.9	748.5	719.1	696.9
Probable	257.0	303.5	327.2	329.7	313.5
Proved + probable	**1,008.7**	**1,092.4**	**1,075.7**	**1,048.8**	**1,010.4**
PAO Gazprom Neft and its subsidiaries					
Proved	7.5	8.8	11.2	11.1	10.4
Probable	2.7	4.5	3.3	3.3	2.8
Proved + probable	**10.2**	**13.3**	**14.5**	**14.4**	**13.2**
Field facilities of PJSC Gazprom and its key subsidiaries developed by OOO Gazpromneft-Zapolyarye					
Proved	x	x	x	x	43.5
Probable	x	x	x	x	43.1
Proved + probable	**x**	**x**	**x**	**x**	**86.6**
Total					
Proved	759.2	797.7	759.7	730.2	750.8
Probable	259.7	308.0	330.5	333.0	359.4
Proved + probable	**1,018.9**	**1,105.7**	**1,090.2**	**1,063.2**	**1,110.2**

* As of 31 December 2020, the estimation excludes the reserves of field facilities licenced to PJSC Gazprom or its major subsidiaries and developed by OOO Gazpromneft-Zapolyarye under long-term risk-based operatorship (farm-out) agreements signed in 2018–2020.

Oil reserves of Gazprom Group in Russia, PRMS standards, mm tonnes

(including share in the reserves of entities, investments in which are classified as joint operations)

	As at 31 December				
	2016	2017	2018	2019	2020
PJSC Gazprom and its major subsidiaries*					
Proved	44.6	16.5	17.2	22.0	10.5
Probable	35.0	46.5	46.7	58.1	48.7
Proved + probable	**79.6**	**63.0**	**63.9**	**80.1**	**59.2**
PAO Gazprom Neft and its subsidiaries					
Proved	652.8	630.8	611.1	605.0	597.4
Probable	486.1	507.4	507.7	535.8	572.6
Proved + probable	**1,138.9**	**1,138.2**	**1,118.8**	**1,140.8**	**1,170.0**
Field facilities of PJSC Gazprom and its key subsidiaries developed by OOO Gazpromneft-Zapolyarye					
Proved	x	x	x	x	15.0
Probable	x	x	x	x	10.0
Proved + probable	**x**	**x**	**x**	**x**	**25.0**
Total (excluding share in the reserves of entities, investments in which are classified as joint operations)					
Proved	697.4	647.3	628.3	627.0	622.9
Probable	521.1	553.9	554.4	593.9	631.3
Proved + probable	**1,218.5**	**1,201.2**	**1,182.7**	**1,220.9**	**1,254.2**
Entities, investments in which are classified as joint operations (attributable to the share of Gazprom Group)					
Proved	92.1	89.5	84.0	80.5	76.9
Probable	68.1	69.3	68.7	73.4	72.1
Proved + probable	**160.2**	**158.8**	**152.7**	**153.9**	**149.0**

	As at 31 December				
	2016	2017	2018	2019	2020
Total (including share in the reserves of entities, investments in which are classified as joint operations)					
Proved	789.5	736.8	712.3	707.5	699.8
Probable	589.2	623.2	623.1	667.3	703.4
Proved + probable	**1,378.7**	**1,360.0**	**1,335.4**	**1,374.8**	**1,403.2**

* As of 31 December 2020, the estimation excludes the reserves of field facilities licenced to PJSC Gazprom or its major subsidiaries and developed by OOO Gazpromneft-Zapolyarye under long-term risk-based operatorship (farm-out) agreements signed in 2018–2020.

Hydrocarbon reserves of Gazprom Group in Russia, Russian classification of reserves

(including share in the reserves of entities, investments in which are classified as joint operations)

	As at 31 December				
	2016	2017	2018	2019	2020
Natural gas, bcm					
Ural Federal District	21,309.0	20,302.6	19,735.7	19,257.7	18,372.5
Northwest Federal District	307.3	319.3	318.6	315.1	315.0
South Federal District and North Caucasian Federal District	2,973.1	2,961.1	2,948.2	2,924.6	2,911.4
Volga Federal District	648.9	640.7	626.9	666.6	452.6
Siberian Federal District	2,103.3	2,102.1	2,094.2	2,080.5	1,803.8
Far Eastern Federal District	1,488.3	1,420.1	1,415.8	1,425.4	1,420.3
Continental shelf of the Russian Federation	7,614.0	7,609.5	8,055.9	8,229.1	8,298.9
Total	**36,443.9**	**35,355.4**	**35,195.3**	**34,899.0**	**33,574.5**
Gas condensate, mm tonnes					
Ural Federal District	690.6	750.0	744.1	739.2	724.3
Northwest Federal District	31.3	33.1	33.0	32.3	32.1
South Federal District and North Caucasian Federal District	441.9	439.0	436.0	432.4	429.7
Volga Federal District	55.7	55.6	55.3	55.0	16.5
Siberian Federal District	97.0	96.9	96.0	94.6	75.4
Far Eastern Federal District	30.5	29.4	29.3	31.6	31.4
Continental shelf of the Russian Federation	187.9	191.6	210.7	184.6	185.0
Total	**1,534.9**	**1,595.6**	**1,604.4**	**1,569.7**	**1,494.4**
Crude oil, mm tonnes					
Ural Federal District	1,531.3	1,494.3	1,471.2	1,466.8	1,466.0
Northwest Federal District	19.8	20.3	20.3	19.5	20.0
South Federal District and North Caucasian Federal District	7.9	7.8	7.7	7.8	7.7
Volga Federal District	202.5	228.1	227.7	224.9	235.5
Siberian Federal District	201.3	199.6	187.4	188.4	189.2
Far Eastern Federal District	54.6	36.8	36.8	36.9	36.7
Continental shelf of the Russian Federation	61.1	58.4	64.6	61.4	68.7
Total	**2,078.5**	**2,045.3**	**2,015.7**	**2,005.7**	**2,023.8**

Hydrocarbon reserves of the associated and jointly controlled companies in Russia attributable to the share of Gazprom Group, Russian classification of reserves

Metric units

	As at 31 December				
	2016	**2017**	**2018**	**2019**	**2020**
Natural gas, bcm	999.1	1,003.8	1,146.7	1,064.0	1,046.2
Gas condensate, mm tonnes	104.5	100.8	110.1	111.1	110.1
Crude oil, mm tonnes	571.5	578.3	592.0	588.6	595.7

Oil equivalent

	As at 31 December				
	2016	**2017**	**2018**	**2019**	**2020**
Natural gas, mm boe	6,484.2	6,514.7	7,442.1	6,905.4	6,789.8
Gas condensate, mm boe	854.8	824.5	900.6	908.8	900.6
Crude oil, mm boe	4,189.1	4,238.9	4,339.4	4,314.4	4,366.5
Total, mm boe	**11,528.1**	**11,578.1**	**12,682.1**	**12,128.6**	**12,056.9**

Note. For management accounting purposes, Gazprom Group measures hydrocarbon reserves and production in metric units. In this Factbook, gas reserves are converted from metric units to barrels of oil equivalent at a ratio of 1,000 cubic metres to 6.49 boe.

Licences

Licence areas in Russian Federation

	As at 31 December				
	2016	2017	2018	2019	2020
Gazprom Group					
Number of subsoil licences for geological surveying, exploration and production of hydrocarbons	267	265	274	302	317
Total area of licence areas, thousand square km	545.6	547.5	559.3	573.2	582.5
Entities investments in which are classified as joint operations					
Number of subsoil licences for geological surveying, exploration and production of hydrocarbons	36	36	36	37	37
Total area of licence areas, thousand square km	23.1	23.1	23.1	23.9	23.7

Licence areas set out by federal districts of the Russian Federation, as at 31 December 2020, thousand square km

Licence category*	Ural FD	Northwest FD	South FD and North Caucasian FD	Volga FD	Siberian FD	Far Eastern FD	Continental shelf of the Russian Federation
Gazprom Group							
Licences for prospecting, exploration and production of hydrocarbons (SEPL)	33.8	–	2.8	6.3	43.1	–	325.9
Licences for exploration and production of hydrocarbons (EPL)	68.0	1.5	5.4	3.1	20.7	12.6	11.8
Licences for geological survey (SL)	32.1	–	0.3	2.3	11.0	1.8	–
Total	**133.9**	**1.5**	**8.5**	**11.7**	**74.8**	**14.4**	**337.7**
Entities investments in which are classified as joint operations							
Licences for prospecting, exploration and production of hydrocarbons (SEPL)	0.6	–	–	–	–	–	–
Licences for exploration and production of hydrocarbons (EPL)	4.1	–	–	–	18.9	–	–
Licences for geological survey (SL)	0.1	–	–	–	–	–	–
Total	**4.8**	**–**	**–**	**–**	**18.9**	**–**	**–**

* Licence types in accordance with Russian legislation.

Licences for the main hydrocarbon fields as at 31 December 2020

Field name	Year of production start	Subsidiary – licence holder	Gazprom Group share*, %	Field type**	Licence category***	Licence expiration year****
Gazprom Group						
Western Siberia (Ural FD)						
Urengoyskoye	1978	Gazprom	100%	OGC	EPL	2038
Severo-Urengoyskoye	1987			OGC	EPL	2030
Yen-Yakhinskoye	1985			OGC	EPL	2038
Pestsovoye	2004			OGC	EPL	2041
Yamburgskoye	1991	OOO Gazprom Dobycha Yamburg	100%	OGC	EPL	2054
Zapolyarnoye	2001			OGC	EPL	2114
Medvezhye	1972	OOO Gazprom Dobycha Nadym	100%	OGC	EPL	2086
Yamsoveiskoye	1997			OGC	EPL	2039
Ubileynoye	1992			OGC	EPL	2063
Kharasaveiskoye	–			GC	EPL	2033
Bovanenkovskoye	2012			OGC	EPL	2042
Novoportovskoye	2016	OOO Gazpromneft-Yamal	100%	OGC	EPL	2150
Komsomolskoye	1993	OOO Gazprom Dobycha Noyabrsk	100%	OGC	EPL	2049
Yety-Purovskoye	2004			OGC	EPL	2038
Zapadno-Tarkosalynskoye	1996			OGC	SEPL	2116
Gubkinskoye	1999	ZAO Purgaz	51%	OGC	EPL	2040
Yuzhno-Russkoye	2007	OAO Severneftegazprom	50,001% (of ordinary shares)	OGC	EPL	2043
Tambeyskoye (excluding Zapadno-Tambeysky, Severo-Tambeysky, Tasiysky licence blocks)[1]	–	PJSC Gazprom		OGC	EPL	2028
Kruzenshternskoye	–			GC	EPL	2028
Malyginskoye	–			GC	EPL	2028
Antypajutinskoye	–			G	EPL	2028
Tota-Yakhinskoye	–			G	EPL	2028
Tazovskoye	–	OOO Meretoyahaneftegaz	100%	OGC	SEPL	2025
Sugmutskoye	1995	AO Gazpromneft-Noyabrskneftegaz	100%	O	EPL	2089
Sutorminskoye	1982			OGC	EPL	2110
Muravlenkovskoye	1982				EPL	2072
Sporyshevskoye	1996			OG	EPL	2083
Vyngapurovskoye (Khanty-Mansi Autonomous Area)	1982			O	EPL	2090
Vyngapurovskoye (Yamal-Nenets Autonomous Area)	1982			OGC	EPL	2113
Southern part of the Priobskoye field	1999	OOO Gazpromneft-Khantos	100%	OGC	EPL	2038

[1] Event after the reporting date: in May 2021, PJSC Gazprom, OOO Gazprom Nedra and AO RusGazDobycha signed a Master Agreement on the implementation of a joint project for the development of the Tambeyskoye field, under which OOO Gazprom Nedra and AO RusGazDobycha will establish a 50/50 joint venture to operate subsoil licences for the Tambeyskoye field. The joint venture will be responsible for the development and construction at the field after gas production startup in 2026.

Field name	Year of production start	Subsidiary – licence holder	Gazprom Group share*, %	Field type**	Licence category***	Licence expiration year****
Southern Russia (South FD)						
Astrakhanskoye	1986	OOO Gazprom Dobycha Astrakhan	100%	GC	EPL	2222
Zapadno-Astrakhanskoye	–			GC	SEPL	2029
South Ural region (Volga FD)						
Orenburgskoye	1974	OOO Gazprom Dobycha Orenburg	100%	OGC	EPL	2038
Eastern section of the Orenburgskoye OGC field	1994	OOO Gazprom Neft Orenburg	100 %	OGC	EPL	2138
Eastern Siberia and the Far East (Siberian and Far Eastern FDs)						
Chayandinskoye	2019	PJSC Gazprom		OGC	EPL	2028
Kovyktinskoye (including Khandinkaya area)	–			GC	EPL	2037
Tas-Yuryakhskoye	–			OGC	EPL	2031
Sobolokh-Nedzhelinskoye	–			GC	EPL	2031
Part of Srednetyungskoye	–			GC	EPL	2031
Verkhnevilyuchanskoye	–			OGC	EPL	2031
Chikanskoye	–			GC	EPL	2028
Sobinskoye	–	OOO Gazprom dobycha Krasnodar	100%	OGC	SEPL	2028
Continental shelf of the Russian Federation						
Shtokmanovskoye (including western part)	–	PJSC Gazprom		GC	EPL	2043
Kirinskoye	2013			GC	EPL	2028
Yuzhno-Kirinskoye	–			GC	SEPL	2039
Yuzhno-Lunskoye	–			GC	SEPL	2039
Mynginskoye	–			GC	SEPL	2039
Ledovoye	–			GC	EPL	2033
Rusanovskoye	–			GC	SEPL	2043
Ludlovskoye	–			G	SEPL	2043
Leningradskoye	–			GC	SEPL	2043
Kamennomysskoye-more	–	OOO Gazprom Dobycha Yamburg	100%	G	EPL	2057
Severo-Kamennomysskoye	–			GC	EPL	2076
Prirazlomnoye	2013	OOO Gazprom Neft shelf	100%	O	EPL	2043
Dolginskoye	–			O	EPL	2035

Field name	Year of production start	Subsidiary – licence holder	Gazprom Group share*, %	Field type**	Licence category***	Licence expiration year****
Entities, investments in which are classified as joint operations						
Western Siberia (Ural FD)						
Zapadno-Salymskoye	2004	Salym Petroleum Development N.V.	50%	O	EPL	2130
Sovetskoye (Khanty-Mansi Autonomous Area)	1966	AO Tomskneft VNC	50%	O	EPL	2145
Eastern Siberia and the Far East (Siberian and Far Eastern FDs)						
Krapivinskoye	1984	AO Tomskneft VNC	50%	O	EPL	2159
Sovetskoye (Tomsk Region)	1966			O	EPL	2145
Pervomayskoye (Tomsk Region)	1981			O	EPL	2105
Luginetskoye	1982			OGC	EPL	2098
Associated and jointly controlled companies						
Western Siberia (Ural FD)						
Vostochno-Messoyakhskoye	2016	AO Messoyakhaneftegaz	50%	OGC	SEPL	2140
Zapadno-Messoyakhskoye	–			OG	SEPL	2027
Severo-Parusovoye	–	OOO RusGasAlliance *****	50%	OGC	EPL	2027
Eastern Siberia and the Far East (Siberian and Far Eastern FDs)						
Kuymbinskoye	2018	OOO Slavneft-Krasnoyarskneftegas	50%	OGC	SEPL	2171
Piltun-Astokhskoye	1999	Sakhalin Energy Investment Company Ltd.	50% + 1 share	OGC	SEPL	2026
Lunskoye	2009			OGC	SEPL	2026

* The aggregate share of the Group in the authorized capital of the investment objects, as reflected in the consolidated financial statements of Gazprom Group under IFRS.
** In accordance with the Russian classification of reserves: OGC – oil, gas, condensate field; OG – oil and gas field; GC – gas condensate field; G – gas field; O – oil field.
*** Russian legislation provides for several types of licences applicable to the study, exploration and production of natural resources, including licences for geological survey (SL); licences for exploration and production of hydrocarbons (EPL); and licences for geological survey, exploration and production of hydrocarbons (SEPL). Abbreviations are stated according to the Russian classification of reserves.
**** While licence holders of Gazprom Group meet the main terms and conditions of licence agreements, they have a right to prolong current licences to complete exploration and development of fields. Gazprom plans to prolong licences for the period till the completion of profitable development of fields.
***** The financial results of this entity are not included in the IFRS consolidated financial statements for 2020 due to insignificance.

Production

Hydrocarbon production of Gazprom Group in Russia
(including share in the production of entities, investments in which are classified as joint operations)

Metric units

	For the year ended 31 December				
	2016	**2017**	**2018**	**2019**	**2020**
Natural and associated gas, bcm	420.13	472.05	498.68	501.22	454.51
Gas condensate, mm tonnes	15.85	15.94	15.93	16.71	16.25
Crude oil, mm tonnes	47.15	48.63	48.28	47.96	47.11

Oil equivalent

	For the year ended 31 December				
	2016	**2017**	**2018**	**2019**	**2020**
Natural and associated gas, mm boe	2,726.64	3,063.60	3,236.43	3,252.92	2,949.77
Gas condensate, mm boe	129.65	130.39	130.31	136.69	132.93
Crude oil, mm boe	345.61	356.46	353.89	351.55	345.32
Total, mm boe	**3,201.91**	**3,550.45**	**3,720.63**	**3,741.16**	**3,428.02**

Note. For management accounting purposes, Gazprom Group measures hydrocarbon reserves and production in metric units. In this Factbook, gas reserves are converted from metric units to barrels of oil equivalent at a ratio of 1,000 cubic metres to 6.49 boe.

Daily average hydrocarbon production of Gazprom Group in Russia
(including share in the production of entities, investments in which are classified as joint operations)

	For the year ended 31 December				
	2016	**2017**	**2018**	**2019**	**2020**
Natural and associated gas, mmcm / day	1,147.9	1,293.3	1,366.2	1,373.2	1,241.8
Gas condensate, thousand tonnes / day	43.3	43.7	43.7	45.8	44.4
Crude oil, thousand tonnes / day	128.8	133.2	132.3	131.4	128.7

Actual maximum daily natural and associated gas production in the autumn-winter period
(excluding entities, investments in which are classified as joint operations)

	Autumn-winter period				
	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
Date	22.10.2015	02.12.2016	23.02.2018	19.01.2019	28.12.2019
Production, mmcm	1,555.7	1,535.6	1,512.6	1,538.6	1,514.1
including production in UGSS*	1,554.1	1,528.8	1,505.9	1,531.3	1,496.8

* Maximum daily production in areas that supplied gas to the Unified Gas Supply System of Russia (UGSS) in autumn and winter 2019/2020 includes production from OOO Gazpromneft-Yamal. For data comparability, production data for prior periods were recalculated.

Gazprom Group's hydrocarbon production in Russia
(including share in the production of entities, investments in which are classified as joint operations)

	For the year ended 31 December				
	2016	2017	2018	2019	2020
Natural and associated gas, bcm					
PJSC Gazprom and its major subsidiaries*,**	368.60	419.72	444.99	445.09	399.15
PAO Gazprom Neft and its subsidiaries	13.64	15.40	17.84	21.26	22.39
Field facilities of PJSC Gazprom and its key subsidiaries developed by OOO Gazpromneft-Zapolyarye	x	x	x	x	0.19
ZAO Purgaz	11.74	10.82	9.64	8.72	7.81
OAO Severneftegazprom	25.12	25.04	25.13	25.07	24.00
Total (excluding share in the production of companies, investments in which are classified as joint operations)	**419.10**	**470.98**	**497.60**	**500.14**	**453.54**
Entities, investments in which are classified as joint operations (attributable to the share of Gazprom Group)	1.03	1.07	1.08	1.08	0.97
Total (including share in the production of companies, investments in which are classified as joint operations)	**420.13**	**472.05**	**498.68**	**501.22**	**454.51**
Gas condensate, mm tonnes					
PJSC Gazprom and its major subsidiaries*	15.83	15.92	15.90	16.67	16.21
PAO Gazprom Neft and its subsidiaries	0.02	0.02	0.03	0.04	0.04
Total	**15.85**	**15.94**	**15.93**	**16.71**	**16.25**
Crude oil, mm tonnes					
PJSC Gazprom and its major subsidiaries*,**	1.55	1.50	1.45	1.67	1.26
PAO Gazprom Neft and its subsidiaries	37.74	39.48	39.46	39.11	38.88
Field facilities of PJSC Gazprom and its key subsidiaries developed by OOO Gazpromneft-Zapolyarye	x	x	x	x	1.47
Total (excluding share in the production of companies, investments in which are classified as joint operations)	**39.29**	**40.98**	**40.91**	**40.78**	**41.61**
Entities, investments in which are classified as joint operations (attributable to the share of Gazprom Group)	7.86	7.65	7.37	7.18	5.50
Total (including share in the production of companies, investments in which are classified as joint operations)	**47.15**	**48.63**	**48.28**	**47.96**	**47.11**

* Including the production volumes of OOO Gazprom dobycha shelf Yuzhno-Sakhalinsk, AO Gazprom dobycha Tomsk. Also including the production volumes of AO Gazprom Gazoraspredeleniye Elista, OOO Gazprom dobycha Irkutsk, and OOO Servisneftegaz; the financial results of these entities are not included in Gazprom Group's IFRS consolidated financial statements due to insignificance.

** As of 2020, excluding production at field facilities licenced to PJSC Gazprom or its major subsidiaries and developed by OOO Gazpromneft-Zapolyarye under long-term risk-based operatorship (farm-out) agreements signed in 2018–2020.

Hydrocarbon production of Gazprom Group in Russia set out by federal districts

(including share in the production of entities, investments in which are classified as joint operations)

	For the year ended 31 December				
	2016	2017	2018	2019	2020
Natural gas, bcm					
Ural Federal District	385.46	437.56	464.36	465.76	416.51
Northwest Federal District	2.06	2.02	1.89	1.99	1.99
South Federal District and North Caucasian Federal District	11.28	11.58	11.94	12.22	11.20
Volga Federal District	15.65	14.95	14.40	14.42	14.31
Siberian Federal District	4.55	4.88	4.91	4.86	4.87
Far Eastern Federal District	0.41	0.43	0.45	1.21	4.79
Continental shelf of the Russian Federation	0.72	0.63	0.73	0.76	0.84
Total	**420.13**	**472.05**	**498.68**	**501.22**	**454.51**
Gas condensate, mm tonnes					
Ural Federal District	11.59	11.51	11.38	12.10	11.88
Northwest Federal District	0.12	0.12	0.12	0.11	0.11
South Federal District and North Caucasian Federal District	3.56	3.68	3.81	3.90	3.61
Volga Federal District	0.14	0.12	0.12	0.13	0.13
Siberian Federal District	0.31	0.39	0.37	0.32	0.30
Far Eastern Federal District	0.01	0.01	0.02	0.02	0.08
Continental shelf of the Russian Federation	0.12	0.11	0.11	0.13	0.14
Total	**15.85**	**15.94**	**15.93**	**16.71**	**16.25**
Crude oil, mm tonnes					
Ural Federal District	34.45	35.71	36.82	36.34	36.20
Northwest Federal District	0.03	0.02	0.02	0.02	0.02
South Federal District and North Caucasian Federal District	0.09	0.09	0.08	0.12	0.11
Volga Federal District	2.85	2.85	2.79	3.10	3.16
Siberian Federal District	7.58	7.32	5.38	5.24	4.16
Far Eastern Federal District	–	0.00	0.00	0.00	0.19
Continental shelf of the Russian Federation	2.15	2.64	3.19	3.14	3.27
Total	**47.15**	**48.63**	**48.28**	**47.96**	**47.11**

Useful life of APG by Gazprom Group in Russia

	For the year ended 31 December				
	2016	2017	2018	2019	2020
APG usage, bcm					
PJSC Gazprom and its major subsidiaries*,**	1.79	1.64	1.57	1.66	1.59
PAO Gazprom Neft and its subsidiaries	7.63	8.71	11.29	14.81	16.30
Field facilities of PJSC Gazprom and its key subsidiaries developed by OOO Gazpromneft-Zapolyarye	x	x	x	x	0.17
Total (excluding share in the production of entities where Gazprom has investments classified as joint operations)	**9.42**	**10.35**	**12.86**	**16.47**	**18.06**
Entities where Gazprom has investments classifies as joint operations, Gazprom's share	1.03	1.07	1.08	1.08	0.97
Total (including share in the production of entities where Gazprom has investments classified as joint operations)	**10.45**	**11.42**	**13.94**	**17.55**	**19.03**
Level of useful life of APG, %					
PJSC Gazprom and its major subsidiaries*	97.8	98.4	98.1	98.5	98.2
PAO Gazprom Neft and its subsidiaries***	79.2	76.2	78.4	89.0	91.1
Total (excluding share in the production of entities where Gazprom has investments classified as joint operations)	**82.2**	**79.0**	**80.3**	**89.9**	**91.6**
Entities where Gazprom has investments classifies as joint operations, Gazprom's share	87.2	88.9	91.6	91.8	95.2
Total (including share in the production of entities where Gazprom has investments classified as joint operations)	**82.7**	**79.8**	**81.8**	**90.1**	**92.0**

* Including the production volumes of AO Gazprom dobycha Tomsk. Also taking into account the production volumes of OOO Servisneftegaz; the financial results of this entity are not included in Gazprom Group's IFRS consolidated financial statements due to insignificance.

** As of 2020, excluding production at field facilities licenced to PJSC Gazprom or its major subsidiaries and developed by OOO Gazpromneft-Zapolyarye under long-term risk-based operatorship (farm-out) agreements signed in 2018–2020.

*** Including production at field facilities licenced to PJSC Gazprom or its major subsidiaries and developed by OOO Gazpromneft-Zapolyarye under long-term risk-based operatorship (farm-out) agreements signed in 2018–2020.

Hydrocarbon production of the associated and jointly controlled companies in Russia attributable to the share of Gazprom Group

Metric units

	For the year ended 31 December				
	2016	2017	2018	2019	2020
Natural and associated gas, bcm	27.21	27.04	26.92	26.86	28.36
Gas condensate, mm tonnes	5.17	4.96	4.87	4.74	5.07
Crude oil, mm tonnes	9.93	10.91	11.22	11.77	9.43

Oil equivalent

	For the year ended 31 December				
	2016	2017	2018	2019	2020
Natural and associated gas, mm boe	176.59	175.49	174.71	174.32	184.06
Gas condensate, mm boe	42.29	40.57	39.84	38.77	41.47
Crude oil, mm boe	72.79	79.97	82.24	86.27	69.12
Total, mm boe	**291.67**	**296.03**	**296.79**	**299.36**	**294.65**

Note. For management accounting purposes, Gazprom Group measures hydrocarbon reserves and production in metric units. In this Factbook, gas reserves are converted from metric units to barrels of oil equivalent at a ratio of 1,000 cubic metres to 6.49 boe.

Geological Exploration, Production Drilling and Production Capacity

Key figures of Gazprom Group's geological exploration activities

(excluding entities, investments in which are classified as joint operations)

	For the year ended 31 December				
	2016	**2017**	**2018**	**2019**	**2020**
Exploration drilling, thousand m	111.6	85.9	157.6	201.7	162.0
Exploration wells completed, units	40	36	25	41	34
including wells producing flow	34	31	20	39	27
2D seismic survey, thousand linear km	1.1	–	5.7	15.0	–
3D seismic survey, thousand square km	20.6	18.7	9.5	7.9	5.9
Reserves growth due to geological exploration, mm boe	3,404.0	6,337.1	5,440.6	3,906.6	3,358.4
Drilling efficiency, thousand boe / m	30.5	73.8	34.5	19.4	20.7

Key figures of geological exploration activities of entities, investments in which are classified as joint operations

	For the year ended 31 December				
	2016	**2017**	**2018**	**2019**	**2020**
Exploration drilling, thousand m	7.4	12.8	28.7	21.0	8.1
Exploration wells completed, units	2	4	8	7	3
including wells producing flow	1	4	5	3	–
2D seismic survey, linear km	–	–	–	–	–
3D seismic survey, square km	130	200	474	350	652

Gazprom Group's production drilling

(excluding entities, investments in which are classified as joint operations)

	For the year ended 31 December				
	2016	**2017**	**2018**	**2019**	**2020**
Production wells completed, units					
natural gas	64	116	114	176	151
crude oil	725	660	545	623	762
at UGSFs	13	4	9	15	8
Total	**802**	**780**	**668**	**814**	**921**
Production drilling, thousand m					
natural gas	227.2	240.8	304.4	400.8	514.2
crude oil	2,735.8	2,559.5	2,202.6	2,811.7	3,275.5
at UGSF	23.7	13.6	19.4	14.2	3.7
Total	**2,986.7**	**2,813.9**	**2,526.4**	**3,226.7**	**3,793.4**

Production drilling of entities, investments in which are classified as joint operations

	For the year ended 31 December				
	2016	2017	2018	2019	2020
Oil production wells completed, units	231	236	208	206	115
Oil production drilling, thousand m	785	784	749	744	407

Gazprom Group's production capacity

(excluding entities, investments in which are classified as joint operations)

	As at 31 December				
	2016	2017	2018	2019	2020
Fields in commercial development, units	136	136	138	144	147
Gas producing wells, units	7,916	7,945	7,976	8,061	8,139
active	7,441	7,438	7,418	7,438	7,494
Oil production wells, units	9,316	7,944	9,106	8,393	9,189
active	8,681	7,358	8,489	7,752	8,519

Production capacity of entities, investments in which are classified as joint operations

	As at 31 December				
	2016	2017	2018	2019	2020
Fields in commercial development, units	42	41	38	39	39
Gas producing wells, units	7	7	4	4	4
active	3	1	4	4	3
Oil production wells, units	3,733	3,810	3,866	3,819	3,781
active	3,379	3,472	3,534	3,516	2,610

Promising Fields

Fields under development operated by Gazprom Group

Field	Description	Annual design capacity	Year of commissioning	Year of design capacity	Project status (as at 31 December 2020)
Nadym-Pur-Taz region (Western Siberia)					
Nydinsky block of the Medvezhye field	Located within the Medvezhye field in the Purovsky District of the Yamal-Nenets Autonomous Area.	2.2 bcm of gas	2011	2022–2024	Gas production from the Aptian-Albian deposits is underway. PJSC Gazprom approved design documents for the field construction project to develop Berriasian-Valanginian deposits in the Nydinsky block of the Medvezhye oil and gas condensate field. Production drilling and construction started.
Urengoyskoye (Achimov deposits)	Located in the Purovsky District of the Yamal-Nenets Autonomous Area. Deposits have been divided into blocks to facilitate phased development.				
	Block 1	9.6 bcm of gas and 2.95 mm tonnes of unstable gas condensate	2008	2020–2023	Development is underway, Operator – AO Achimgaz (a joint venture with Wintershall Dea GmbH).
	Block 2	12.33 bcm of gas and 3.36 mm tonnes of unstable gas condensate	2009	2021–2024	CGTU-22 expansion completed. Construction and installation operations at CGTU-21 are underway.
	Block 3*	5 bcm of gas and 0.98 mm tonnes of unstable condensate	2023	2024	The updated hydrodynamic model and the optimal concept of field construction approved. Drilling of two wells for pilot development completed.
	Block 4–5	15.5 bcm of gas	2020	2027–2030	Installation of metal structures, building frames and process equipment at CGTU-41 at the 4A block completed[2]. Installation of process equipment at CGTU-51 at block 5A is underway[3]. Installation of external power supply lines and transformer substations at blocks 4A and 5A completed, equipment and pipelines tested. In 2020, construction of 14 production wells at block 4A and 10 production wells at block 5A was completed. Construction of production wells is underway. Operator – OOO Achim Development – (a joint venture of PJSC Gazprom with Wintershall Dea GmbH (25.01% of authorized capital)).

[2] Event after the reporting date: in January 2021, production of gas and gas condensate was started at block 4A to carry out comprehensive testing of CGTU-41 and other process equipment.
[3] Event after the reporting date: in April 2021, production of gas and gas condensate was started at block 5A to carry out comprehensive testing of CGTU-51 and other process equipment.

Field	Description	Annual design capacity	Year of commissioning	Year of design capacity	Project status (as at 31 December 2020)
Oil rims of the Yen-Yakhinskoye and Pestsovoye fields, oil deposits of Zapadno-Tarkosalynskoye field*	Located in the Purovsky District of the Yamal-Nenets Autonomous Area.	2.5 mm tonnes of liquid hydrocarbons and 4 bcm of gas	2021	2022–2023	Oil production was started in 2019 in accordance with the development projects of the En-Yakhinskoye, Zapadno-Tarkosalinskoye and Pestsovoye fields. [t In the Yen-Yakhinskoye and Pestsovoye fields' oil rim development projects, mobile oil treatment units were launched in 2020. In the Yen-Yakhinskoye field's oil rim development project, a gas-engine power plant was launched, the Yen-Yakhinskoye field – CGF-1 pressure oil pipeline was prepared for filling with product, and the construction of well pads was completed. In the Zapadno-Tarkosalynskoye field's oil rim development project, production drilling was completed in 2020. Inventory manufacturing and delivery to construction sites is underway. Construction and installation operations are underway.
Achimov oil deposits of the Yamburgskoye field*	Located in the Taz and Nadym Districts of the Yamal-Nenets Autonomous Area.	8 mm tonnes of oil, 2.8 bcm of gas	2027	2028	First high-tech wells drilled, well design optimisation and cost reduction plan developed. Conceptual geological model updated, development efficiency options explored.
Yamal Peninsula and adjacent offshore areas					
Bovanenkovskoye field	The largest field on the Yamal Peninsula in terms of reserves; the field is located in the central part of the Yamal Peninsula and is most explored.				
Cenomanian-Aptian deposits		115 bcm of gas	2012	2022 (completion of well commissioning to achieve design capacity)	Items constructed and commissioned under the project were three comprehensive gas treatment units with a total annual capacity of 120 bcm, eight booster compressor stations with a total capacity of 948 MW (including 128 MW of compressor capacity at booster compressor stations commissioned in 2020), and 589 gas production wells (including 53 wells commissioned in 2020). Other construction is underway.
Neocomian-Jurassic deposits*		20 bcm of gas 2.3 mm tonnes of liquid hydrocarbons	2025	2031	Field construction concept approved, framework FEED agreement signed.
Novoportovskoye	Located in the south-eastern part of the Yamal Peninsula.	7.7 mm tonnes of liquid hydrocarbons	2016	2020	Oil production and production drilling are underway. Digital electric power substation commissioned. Construction of a gas pipeline through the Ob Bay to Russia's UGSS is underway.

* Operator – OOO Gazprom neft Zapolyarye under long-term risk-based operatorship agreements with PJSC Gazprom and its gas production subsidiaries.

Field	Description	Annual design capacity	Year of commissioning	Year of design capacity	Project status (as at 31 December 2020)
Khanty-Mansi Autonomous Area – Yugra					
Alexander Zhagrin field	Located in the Kondinsky District of the Khanty-Mansi Autonomous Area – Yugra.	6.2 mm tonnes of oil	2020	2024	A total of 106 production wells were constructed under the project, a separation unit was commissioned with liquid production capacity of 1.8 mln t and oil production capacity of 1.2 mln. Field construction is ongoing with oil well pads, oil and gas collection headers, power supply facilities, operational and maintenance facilities being constructed, and start-up and testing are underway at key field facilities.
Volga Area					
Astrakhanskoye	Located in the Volga Delta; capable of yielding 50–60 bcm of gas per annum. Production is restricted to 12 bcm per annum for environmental concerns and due to expensive technology used.		1986		Gas production in underway; an option of switching over to sour gas injection technology is considered for the deposit as it will dramatically reduce emissions and eliminate the need to utilize associated sulphur. Pre-investment feasibility study of opportunities to boost gas production and processing at Astrakan dome fields.
Volga–Urals Area					
Eastern section of the Orenburgskoye OGC field	Located 10-20 km away from Orenburg in a region that benefits from well-developed infrastructure and close vicinity to distribution markets.	3.3 mm tonnes of oil	1994	2029	Ongoing use of multi-stage hydraulic fracturing technology; oil production and production drilling are underway. Radial fracturing was carried out in 2020.
Continental shelf in Russia's Arctic					
Prirazlomnoye	Located on the continental shelf of the Russian Federation in the Pechora Sea, 55 km from the settlement of Varandey, 240 km from the river port of Naryan-Mar (Pechora River) and 980 km away from the Murmansk sea port. The sea depth within the field area is only 17–20 metres.	3.9 mm tonnes of oil	2013	2024	Oil production and production drilling is underway. The project design provides for a total of 33 wells to be drilled.

Field	Description	Annual design capacity	Year of commissioning	Year of design capacity	Project status (as at 31 December 2020)
Eastern Siberia and the Russian Far East					
Chayandinskoye gas deposits	Located in the Lensk District of the Republic of Sakha (Yakutia).	25 bcm of gas	2019	2024	In 2019, gas production started at the field, with a 12.5 bcm per annum CGTU-3, a 100 MW booster compressor station and 69 gas production wells commissioned. In 2020, 10.4 bcm PGTU-2, 102 gas production wells and membrane units to recover helium were commissioned as part of CGTU-3. Field development is ongoing, with new CGTU-3 capacity (expansion up to 25 bcm of gas) planned for connecting to inter-field gas headers from PGTU-2 and PGTU-4, oil well pads, and gas collection headers being constructed.
oil rim of the Botuobinsk deposit*		1.9 mm tonnes of oil	2014 (pilot production)	2022	Pilot completed in 2019. A 131 thousand tonnes per annum oil treatment unit, three gas production wells and two oil production wells commissioned. In 2020, construction and installation works were completed at the main infrastructure and production drilling facilities. Two oil wells were commissioned.
Continental shelf of the Russian Federation in the Okhotsk Sea					
Kirinskoye	Located on the continental shelf of the Russian Federation in the Okhotsk Sea, northeast of Sakhalin. Field development is part of Sakhalin III Project.	5.5 bcm of gas	2014	2023–2024	Gas production is underway. Design documents for production capacity additions at the Kirinskoye gas and condensate field have been approved by resolution of PJSC Gazprom. Design gas production level will be provided by seven already constructed production wells. Four wells were commissioned.

* Operator – OOO Gazprom neft Zapolyarye under long-term risk-based operatorship agreement with PJSC Gazprom.

Note. As at 31 December 2020. Timelines for commissioning and ramp-up may be adjusted subject to the energy market environment.

Fields in exploration and prospective licence blocks of Gazprom Group

Field (licence block)	Description	Annual design capacity	Year of commissioning	Year of design capacity	Project status (as at 31 December 2020)
Yamal Peninsula and adjacent offshore areas					
Kharasaveyskoye	To be brought in operation after the Bovanenkovskoye field achieves design capacity.				
Cenomanian-Aptian deposits		32 bcm of gas	2023-2024	2025-2026	Design documents for the field construction to develop the Cenomanian-Aptian deposits at the Kharasaveyskoye field and the connecting pipeline to the Kharasaveyskoye field were approved by PJSC Gazprom. Construction and installation works and production drilling are underway.
Neocomian-Jurassic deposits*		24.5 bcm of gas 1.9 mm tonnes of liquid hydrocarbons	2026	2029	Follow-up exploration is underway. Plans are in place to involve Gazprom Neft in field construction.
Kruzenshternskoye	Bovanenkovo group of fields.	33 bcm of gas	2028	2032–2033	A field development plan is being developed.
Continental shelf in Russia's Arctic					
Shtokmanovskoye	Located in the central part of the Barents Sea, northwest of the Novaya Zemlya archipelago and 650 km northeast of the city of Murmansk.	71.7 bcm of gas expandable to 95 bcm of gas	The pre-investment feasibility study for the comprehensive development of the Shtokman gas condensate field is completed. Following the expertise, it was decided to conduct further studies aimed at optimizing the project's costs. Pursuant to Addendum No. 2 to the subsoil use licence, the field shall be brought online no later than 31 December 2035.		
Ob and Taz Bays					
Kamennomysskoye-more	Fields are located in the middle part of the offshore area of the Ob Bay in the Yamal-Nenets Autonomous Area and are identified as the priority development targets in offshore areas of the Ob and Taz Bays.	15.1 bcm of gas	2027	2029	An addendum to the field development plan was prepared. The document was approved by the Central Commission for Approving Technical Projects of Hydrocarbon Field Development of the Federal Subsoil Resources Management Agency as the Preliminary Field Development Plan. The construction of the IRSP-A platform using the "integrated shipyard" method is underway (main platform support base, operations, drilling, auxiliary drilling and power facilities, accommodation camp). Design and survey activities covering the offshore part and onshore production facilities are also in progress.
Severo-Kamennomysskoye		14.5 bcm of gas	2029	2031	An addendum to the field development plan was prepared. The document was approved by the Central Commission for Approving Technical Projects of Hydrocarbon Field Development of the Federal Subsoil Resources Management Agency as the Preliminary Field Development Plan. Field construction design is underway.

* Operator – OOO Gazprom neft Zapolyarye under long-term risk-based operatorship agreement with OOO Gazprom dobycha Nadym.

Field (licence block)	Description	Annual design capacity	Year of commissioning	Year of design capacity	Project status (as at 31 December 2020)
Nadym-Pur-Taz region (Western Siberia)					
Tazovskoye	Located in the Tazovsky District of the Yamal-Nenets Autonomous Area.	2 mm tonnes of oil and 8 bcm of gas	2021	2023	Construction of oil and gas infrastructure facilities and production drilling are underway. In 2020, oil and gas pipelines were laid, a contract for gas compression was signed, and the power centre project proceeded to the second phase.
Meretoyakhinskoye	Located in the Nadymsky District of the Yamal-Nenets Autonomous Area 135 km south-east of the town of Nadym.	2.1 mm tonnes of oil	2028	2030	A well was drilled confirming the feasibility of APG injection into low-permeability reservoirs using miscible gas injection (MGI) technology. Special Achimov deposit core and fluid studies contributed to designing the field development concept.
Zapadno-Yubileynoye	Located in the Nadymsky District of the Yamal-Nenets Autonomous Area 100 km north-west of the town of Nadym.	21 bcm of gas and 5 mm tonnes of oil	2026	2027	Site preparation started for drilling and rig mobilisation.
Eastern Siberia and the Russian Far East					
Kovyktinskoye	Located in the Zhigalovskiy and Kazachinsko-Lenskiy Districts of the Irkutsk Region.	27.2 bcm of gas	2022	2026	The field is in the final pilot phase. Work started to construct priority facilities of CGTU-2 and CGTU-3. 17 drilling rigs were mobilised to construct production wells. Exploration activities are underway, potential production capacities of the existing production well stock are being analysed.
Chonsky cluster (Ignjalinskoye, Vakunayskoye, Severo-Vakunayskoye, Tympuchikanskoye and Verkhnechonskoye fields)	Located in the Katangskiy District of the Irkutsk Region and the Lenskiy District of the Republic of Sakha (Yakutia), 120-140 km east of the district centre, the village of Erbogachen.	6.2 mm tonnes of oil	2028	2034	In 2020,one exploration well and three horizontal production wells were drilled. A geoseismic model of carbonate and terrigenous formations of the Vakunaysky, Tympuchikansky and Ignyalinsky licence blocks was built.The boundaries of the Ignyalinsky licence block were expanded.
Continental shelf of the Russian Federation in the Okhotsk Sea					
Yuzhno-Kirinskoye	Located on the continental shelf of the Russian Federation in the Okhotsk Sea, north-east of Sakhalin Island. Field development is part of Sakhalin III Project.	21 bcm of gas	2023–2025	2029–2033	Exploration is completed. According to the field development plan, design gas production level will be provided by 37 production wells. Design documents for field construction and production well construction are being developed. Production drilling is underway.

Note. As at 31 December 2020. Timelines for commissioning and ramp-up may be adjusted subject to the energy market environment.

Fields and prospective licence blocks of joint ventures and associates of Gazprom Group

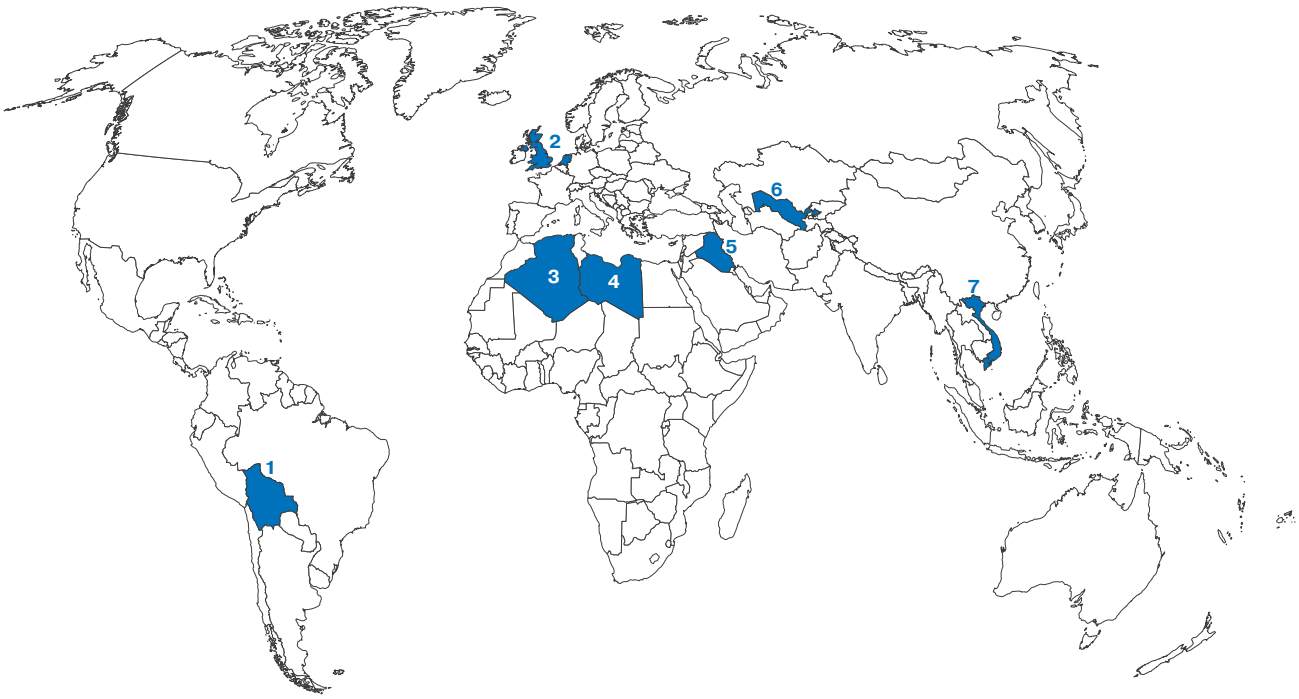
Field (licence block)	Description	Company	Partners' stakes	Annual design capacity	Year of commissioning	Year of design capacity	Project status (as at 31 December 2020)
Ob and Taz Bays							
Semakovskoye field	Located offshore in the Taz Bay and partially onshore on the Taz Peninsula.	OOO RusGasAlliance	OOO Gazprom dobycha Yamburg – 50%, AO RusGasDobycha – 50%	14.2 bcm of gas	2022	2029	A final investment decision on the field development project was made in 2020. Production drilling and construction and installation works are underway at Phase 1 construction facilities
Gydan Peninsula							
Vostochno-Messoyakhskoye field	Located in the northern part of the Western Siberian oil and gas province in the south-west of the Gydan Peninsula; one of the largest fields by explored reserves.	AO Messoyakhaneftegas	Gazprom neft Group – 50%, Rosneft – 50%	6.0 mm tonnes of oil	2016	2022	Oil production and production drilling is underway. Gas injection infrastructure was commissioned to boost APG utilization and oil recovery.
Leskinsky and Pukhutsyayakhsky licence blocks (Yenisei project)	The licence blocks are located on the Gydan Peninsula, on the left bank of the Yenisei River. The Leskinsky block belongs to the Taimyrsky Dolgano-Nenetsky District of the Krasnoyarsk Territory. The Pukhutyakhsky block is located in the Taz District of the Yamal-Nenets Autonomous Area.	OOO Gazpromneft-Aero Bryansk	Gazprom Neft Group – 50%, Royal Dutch Shell – 50%	19.9 mm tonnes of oil	2028	2038	2D seismic survey operations were completed in 2020, processing and interpretation of field data is underway. Inventory storage base established, temporary summer road to the drilling site prepared. In November 2020, PAO Gazprom Neft and Royal Dutch Shell set up a joint venture to explore and develop the licence blocks, and drilling of an exploration well began.
Khanty-Mansi Autonomous Area – Yugra							
Ervier (Ouryinskoye) field	Located on the border of Khanty-Mansi Autonomous Area – Yugra and Sverdlovsk Region.	AO Eurotek-Yugra	Gazprom Neft Group – 31.7352%, Repsol – 68.2648%	2.6 mm tonnes of oil	2025	2027	In 2020, in order to determine the field development technology, two multilateral wells were drilled, their pilot development is underway.

Field (licence block)	Description	Company	Partners' stakes	Annual design capacity	Year of commissioning	Year of design capacity	Project status (as at 31 December 2020)
Eastern Siberia and the Russian Far East							
Kuyumbinsky and Tersko-Kamovsky licence blocks	Located in the Baikitsky Municipality of the Evenk Municipal District in the Krasnoyarsk Territory. Fields discovered within the licence blocks make part of the Yurubcheno-Tokhomskaya oil and gas pool. The area is hard to access and has no all season roads.	OOO Slavneft-Krasnoyarskneftegaz	Gazprom Neft Group – 50%, Rosneft – 50%	5.0 mm tonnes of oil	2018	2028	Oil production, production drilling and construction at the Kuyumbinskoye field are underway.

Note. As at 31 December 2020. Timelines for commissioning and ramp-up may be adjusted subject to the energy market environment.

Geological Exploration and Production Abroad

Gazprom Group's hydrocarbon exploration and production activities abroad



1	**Bolivia**	**2**	**UK and the Netherlands**	**3**	**Algeria**	**4**	**Libya**
	Azero licence block		Winchelsea* fields		El-Assel licence block		Licence blocks 19 and 64
	Ipati and Aquio licence blocks		Wingate and Sillimanite fields				
5	**Iraq**	**6**	**Uzbekistan**	**7**	**Vietnam**		
	Badra field, Sarkala field (Garmian block, Kurdistan)		Djel field		Blocks 112 (incl. extension), and 129–132		
	Shakal block (Kurdistan)		Shakhpakhty field		Moc Tinh and Hai Thach fields		

Hydrocarbon prospecting and exploration

Oil production

Gas production

* As the project participants failed to achieve project performance targets in 2020, licences for licence blocks on the UK continental shelf, within which the Winchelsea field was discovered, were returned.

Note. As at 31 December 2020.

Key figures of Gazprom's hydrocarbon geological exploration abroad

	For the year ended 31 December				
	2016	2017	2018	2019	2020
Exploration drilling, thousand m	9.7	18.4	21.9	18.6	8.8
Exploration wells completed, units	8	8	10	7	4
including wells producing flow, units	7	5	9	7	4
2D seismic survey, thousand linear km	1.5	–	–	–	–
3D seismic survey, thousand square km	0.8	1.2	1.1	0.7	–

Note. Consolidated figures of geological exploration abroad include results of the projects where companies of Gazprom Group have control and participate as operators.

Gazprom Group's hydrocarbon production capacity abroad

	As at 31 December				
	2016	2017	2018	2019	2020
Fields in commercial development, units	47	48	47	48	46
Gas producing wells, units	172	163	243	249	258
active	81	81	126	129	134
Oil production wells, units	931	946	887	908	931
active	681	737	734	757	743

Note. The data shows Group's hydrocarbon production capacity in foreign countries for the respective periods provided by NIS (Serbia).

Gazprom Group oil and gas production drilling abroad

	For the year ended 31 December				
	2016	2017	2018	2019	2020
Production wells completed, units					
natural gas	2	–	4	2	3
crude oil	38	51	46	38	35
Total	**40**	**51**	**50**	**40**	**38**
Production drilling, thousand m					
natural gas	1.6	2.1	5.0	2.8	3.4
crude oil	40.9	67.5	61.5	68.1	59.8
Total	**42.5**	**69.6**	**66.5**	**70.9**	**63.2**

Note. The data shows Group's hydrocarbon production capacity in foreign countries for the respective periods provided by NIS (Serbia).

Gazprom Group subsidiaries engaged in hydrocarbon production abroad

	For the year ended 31 December				
	2016	2017	2018	2019	2020
Natural gas, mmcm	428	408	393	364	341
Associated gas, mmcm	133	115	96	101	104
Gas condensate, thousand tonnes	33	35	6	6	7
Oil, thousand tonnes	986	933	910	890	866

Note. The data shows the Group's hydrocarbon production volumes in foreign countries for the respective periods provided by NIS (Serbia).

Hydrocarbon production abroad, major projects with Gazprom Group's participation

Field	For the year ended 31 December				
	2016	2017	2018	2019	2020
Natural gas, mmcm					
Wingate	686	436	300	189	96
Moc Tinh and Hai Thach	2,142	2,099	2,350	2,193	2,028
Shakhpakthy	363	312	272	202	231
Incahuasi	740	2,519	2,579	2,608	3,120
Sillimanite	–	–	–	–	484
Associated gas, mmcm					
Badra	14	208	777	724	525
Gas condensate, thousand tonnes					
Wingate	3	3	2	2	1
Moc Tinh and Hai Thach	573	469	397	349	335
Incahuasi	75	270	280	290	344
Oil, thousand tonnes					
Badra	2,575	3,787	3,980	2,902	2,186
Sarkala	193	370	935	1,451	1,210

Note. Production volumes are given in total for the projects, not specifying Gazprom Group's share.

Exploration and production projects of Gazprom Group abroad at the prospecting and exploration stage

Algeria

Project name, purpose, and description	Project start	The Group's operator role	Terms of the Group's participation	Project status (as at 31 December 2020)
Hydrocarbon exploration and development at the El-Assel licence block located in the Berkine geological basin in the east of Algeria in the Sahara Desert.	2009	■	Implemented under the Agreement on Joint Exploration and Production of Hydrocarbons, Gazprom Group's share – 49%. Partner: Algerian state oil and gas company Sonatrach. Customer: Algerian National Agency for the Valorisation of Hydrocarbon Resources (ALNAFT).	Commitments for exploration stages I, II and III are fulfilled. Development plans for fields ZERN, ZER, RSH, and RSHN have been prepared. Whereas required performance targets had not been reached following the exploration efforts, licences for the ZER and ZERN fields were returned to the Algerian Government. The RSH and RSHN project is at the exploration stage, on hold until June 2021 to provide a statement of the fields' commercial importance, and updated development plans. Re-processing and re-interpretation of seismic data from the RSH and RSHN fields were completed in 2020, field development plans were adjusted.

Bolivia

Project name, purpose, and description	Project start	The Group's operator role	Terms of the Group's participation	Project status (as at 31 December 2020)
Hydrocarbon exploration and development at the Azero licence block.	2013	–	Implemented under the Service Contract for Oil Exploration and Production Services. Gazprom Group finances 50% of the project costs at the exploration stage. At the development stage, the Group will finance 22.5% of the project costs. Partners: Bolivian state oil and gas company YPFB, Total E&P Bolivia S.A. (operator).	Geological survey was completed in previous years, with logging data re-processed and re-interpreted. Drilling of the Nyankauasu-1 prospecting well was completed in 2020 (5,830 m drilled). The geological and logging information obtained is being analysed.

Vietnam

Project name, purpose, and description	Project start	The Group's operator role	Terms of the Group's participation	Project status (as at 31 December 2020)
Hydrocarbon prospecting and exploration at Block 112 (incl. extension).	2000	■	Implemented under the Production Sharing Agreement. Gazprom Group finances 100% of the project costs at the exploration stage. At the development stage, the Group will finance 50% of the project costs. Partners: Petrovietnam, Petrovietnam Exploration & Production Corporation. Operator – Vietgazprom joint operating company.	The minimum obligations under three exploration phases at Block 112 were fully met in previous years, and the Bao Wang (2007) and Bao Den (2009) gas and condensate fields were discovered. The approval of extending the exploration phase for three years (until 31 December 2022) was received in 2020. The Bao Wang field appraisal and development concept report has been prepared.
Hydrocarbon prospecting and exploration at Blocks 129–132.	2008	■	Implemented under the Production Sharing Agreement. Gazprom Group finances 100% of the project costs at the exploration stage. At the development stage, the Group will finance 50% of the project costs. Partners: Petrovietnam, Petrovietnam Exploration & Production Corporation. Operator – Vietgazprom joint operating company.	Two deepwater prospecting wells constructed at blocks 130 and 131 in 2015–2016. The Than Bien field was discovered by prospecting drilling in 2015. Geological and logging data was re-processed and re-interpreted. The prospecting and exploration programme and the project's feasibility study were updated.

Kazakhstan and Russia

Project name, purpose, and description	Project start	The Group's operator role	Terms of the Group's participation	Project status (as at 31 December 2020)
Development of the Tsentralnoye field on the continental shelf of the Caspian Sea (a joint project of the Russian Federation and the Republic of Kazakhstan). The field was discovered in 2008 as part of a prospecting and exploration project at the Tsentralnaya geological structure, which involved the Group.	2013	–	Implemented in line with the Agreement on the demarcation of the seabed in the northern part of the Caspian Sea for the purpose of exercising sovereign rights to use mineral resources. The project involves OOO TsentrCaspNeftegaz (established by PJSC LUKOIL and PJSC Gazprom on parity terms) from the Russian side, and JSC National Company KazMunayGas from the Kazakhstan side.	In September 2016, OOO Tsentralnaya Oil and Gas Company obtained a licence for exploration and production of hydrocarbons at the Tsentralnoye field, valid for 27 years. In May 2020, Addendum No. 1 to the licence was obtained, extending the geological surveying phase to 16 years. The feasibility study for the development of the Tsentralnoye field is being prepared.

Libya

Project name, purpose, and description	Project start	The Group's operator role	Terms of the Group's participation	Project status (as at 31 December 2020)
Hydrocarbon exploration and development at licence Blocks 19 (continental shelf of the Mediterranean Sea) and 64 (onshore, in the northern part of the Gadames oil and gas bearing basin).	2007	■	Implemented under exploration and production sharing agreements. Partner – Libyan National Oil Corporation. Gazprom Group finances 100% of the project costs at the exploration stage.	Force majeure continuing under relevant exploration and production sharing agreements.

Note. As at 31 December 2020.

Exploration and production projects of Gazprom Group abroad at the development and production stage

Bolivia

Project name, purpose, and description	Project start	Exploration results	The Group's operator role	Partners' stakes in the project	Year of commissioning	Annual design capacity	Project status (as at 31 December 2020)
Hydrocarbon exploration and development at the Ipati and Aquio licence blocks under the terms of the Operating Contract. According to the Bolivian laws, all hydrocarbons that will be produced belong to YPFB, and project participants will get due remuneration. Operator – Total EP Bolivie S.A.	2010	The Incahuasi field at the Ipati and Aquio blocks was discovered in 2011.	–	Gazprom Group – 20 %, Total EP Bolivie S.A. – 50 %, TecPetrol – 20 %, YPFB Chako – 10 %.	2016	4.0 bcm of gas	The field was put on stream in August 2016 and achieved the production target of 6.5 mmcm of gas per day in November 2016. In accordance with the plan for joint development, four production wells were commissioned, and the GTU's capacity was expanded to 11.0 mmcm of gas per day. In 2020, condensate storage capacity was expanded. There are plans to connect the Incahuasi-5 well, completed in 2019, and to carry out work to connect to the Santa Cruz-Yakuiba (GSCY) trunk pipeline. Commercial gas and gas condensate production is underway.

UK and the Netherlands

Project name, purpose, and description	Project start	Exploration results	The Group's operator role	Partners' stakes in the project	Year of commissioning	Annual design capacity	Project status (as at 31 December 2020)
Construction, production, and follow up exploration at the UK's offshore Wingate gas field (licence blocks P1239 and P1733) under the Joint Operation Agreement. Operator – Wintershall Noordzee B.V.*	2008	Gazprom Group joined the project after the field had been discovered and was being prepared for the development.	–	Gazprom Group – 20%, Wintershall Noordzee B.V. – 64.5%, XTO UK – 15.5%.	2011	0.3 bcm of gas	Six production wells drilled, production is carried out from three production wells. The field is planned to be shut down in 2024.

* As at 31 December 2020, Gazprom Group's share in the company was 50%.

Project name, purpose, and description	Project start	Exploration results	The Group's operator role	Partners' stakes in the project	Year of commissioning	Annual design capacity	Project status (as at 31 December 2020)
Development and Production at the licence block D12b on the Dutch continental shelf. Operator – Wintershall Noordzee B.V.*	2011	A prospecting well was drilled at the Sillimanite cross-border prospect in 2015. The Sillimanite cross-border field was discovered.	–	Implemented under the Joint Operation Agreement. Gazprom Group finances 17.591% of the project costs. Partners: Wintershall Noordzee B.V. (operator) – 30.129%, EBN B.V. – 40.0%, ONE – 7.037%, GDF SUEZ E&P NEDERLAND B.V. – 5.243%.	2020	0.6 bcm of gas	Project participants signed a field unitisation agreement determining Gazprom Group share at 19.9%. An intergovernmental agreement was signed on the development of the Sillimanite field and its taxation. Construction of the D12-B platform and a pipeline, modification of the receiving unit of the D15-A platform, and drilling of two production wells were carried out. In February 2020, the Sillimanite field was commissioned.
Development and production at the licence block 44/19a on the UK's continental shelf. Operator – Wintershall Noordzee B.V.*	2014			Implemented under the Joint Operation Agreement. Gazprom Group finances 29.319% of the project costs. Partners: Wintershall Noordzee B.V. (operator) – 50.214%, ONE U.K. – 11.728%, GDF SUEZ E&P UK Ltd. – 8.739%.			

* As at 31 December 2020, Gazprom Group's share in the company was 50%.

Vietnam

Project name, purpose, and description	Project start	Exploration results	The Group's operator role	Partners' stakes in the project	Year of commissioning	Annual design capacity	Project status (as at 31 December 2020)
Hydrocarbon production at the Moc Tinh and Hai Thach fields under the PSA terms. Operator – Bien Dong operating company.	2012	Gazprom Group joined the project after the fields had been discovered and were being prepared for the development.	–	Gazprom Group – 49%, Petrovietnam – 51%.	2013	2.0 bcm of gas	Production at the fields was ramped up to design capacity in 2016. Commercial production of gas and gas condensate is underway.

Iraq

Project name, purpose, and description	Project start	Exploration results	The Group's operator role	Partners' stakes in the project	Year of commissioning	Annual design capacity	Project status (as at 31 December 2020)
Development of the Badra field under the Service Contract. Operator – Gazprom Neft Badra B.V. The project is expected to span 20 years, with potential extension for another five years.	2010	Gazprom Group joined the project after the field had been discovered and was being prepared for the development.	■	Gazprom Group – 30%, KOGAS – 22.5%, Petronas – 15%, TPAO – 7.5%, Iraq Government (represented by Oil Exploration Company) – 25%.	2014	5.7 mm tonnes of oil	Commercial oil production is underway. A revision of the field development plan was put forward to bring poorly swept reserves to production through sidetracking and horizontal well drilling. The revised development plan is expected to be approved in 2021.
Hydrocarbon production at the Garmian block under the Production Sharing Agreement. Operator – Gazprom Neft Middle East B.V.	2012	The Sarkala field has been discovered within the boundaries of the block.	■	Gazprom Group – 40%, WesternZagros – 40%, Kurdistan Regional Government – 20%.	2015	1.45 mm tonnes of oil	Commercial oil production is underway.

Project name, purpose, and description	Project start	Exploration results	The Group's operator role	Partners' stakes in the project	Year of commissioning	Annual design capacity	Project status (as at 31 December 2020)
Refurbishment of the infrastructure at the Shakhpakhty field in the Ustyurt region of the Republic of Uzbekistan, and follow-up development of remaining gas reserves under the Production Sharing Agreement. The costs are compensated by natural gas supplies. The gas remaining after the cost compensation is distributed pro rata between the parties to the PSA. Operator – OOO OC Zarubezhneftegaz – GPD Central Asia (established by Gas Project Development Central Asia AG and AO Gazprom Zarubezhneftegaz on a parity basis).	2004	x	■	A consortium representing Gazprom Group and consisting of its subsidiary AO Gazprom Zarubezhneftegaz (5%) and joint venture Gas Project Development Central Asia AG (95%) – 50%, Republic of Uzbekistan represented by the Ministry of Energy of the Republic of Uzbekistan – 50%.	x	0.2 bcm of gas	The Shakhpakhty field was reactivated and put back into operation in 2004. Gas production is underway along with well workovers to gradually switch the wells from being inactive to producing. A supplementary agreement to the PSA was signed in 2018 to extend its validity until 2024.
Hydrocarbon production at the Djel field in the Republic of Uzbekistan under a PSA. Operator – OOO OC Zarubezhneftegaz – Central Asia.	2018	The Djel field at the Shakhpakhty licence block was discovered in 2009 by exploration carried out as part of the Company's licence obligations.	■	Gazprom Group – 50%, Republic of Uzbekistan represented by the Ministry of Energy of the Republic of Uzbekistan – 50%.	2025	0.3 bcm of gas (full development)	A PSA was signed in 2018. A Resolution of the President of the Republic of Uzbekistan approving the PSA for the Djel field development was signed in 2019; the subsoil licence within the scope of the PSA was obtained; the applicable permit was issued; AO Uzbekneftegaz approved the project for the development of the Djel field under a PSA. In 2020, the development of a feasibility study for the project started and an applicable permit was issued by local authorities.

Note. As at 31 December 2020.

Prospecting, exploration and production projects of associates and joint ventures abroad

Company	Countries of operation	Gazprom Group's interest	Overview and results
Wintershall AG	Libya	49% equity share acquired by the Group in December 2007 as a result of the asset swap agreement with BASF AG (from 2008 – BASF SE).	Wintershall AG is a party to the exploration and production sharing agreement for blocks 91 and 107 (previously concessions C96 and C97 respectively). In 2020, the Company still faced challenges due to the ongoing political crisis in Libya, which resulted in limited oil production and exports. In October 2020, under the PSA, Wintershall AG engaged Sarir Oil Operations B.V., a joint operating company (49% owned by Wintershall AG, 51% – by Libyan National Oil Corporation) as an operator for both blocks.
Wintershall Noordzee B.V.	the Netherlands, UK, Denmark	50% equity share acquired by the Group in 2015 as a result of the asset swap agreement with BASF SE.	The company owns varied level stakes in 45 licences in the British, Danish, and Dutch sectors of the North Sea. A number of oil and gas fields are discovered within these licence areas. The key producing assets include K18-Golf, Wingate, Q1 and Sillimanite gas fields.

Note. As at 31 December 2020.

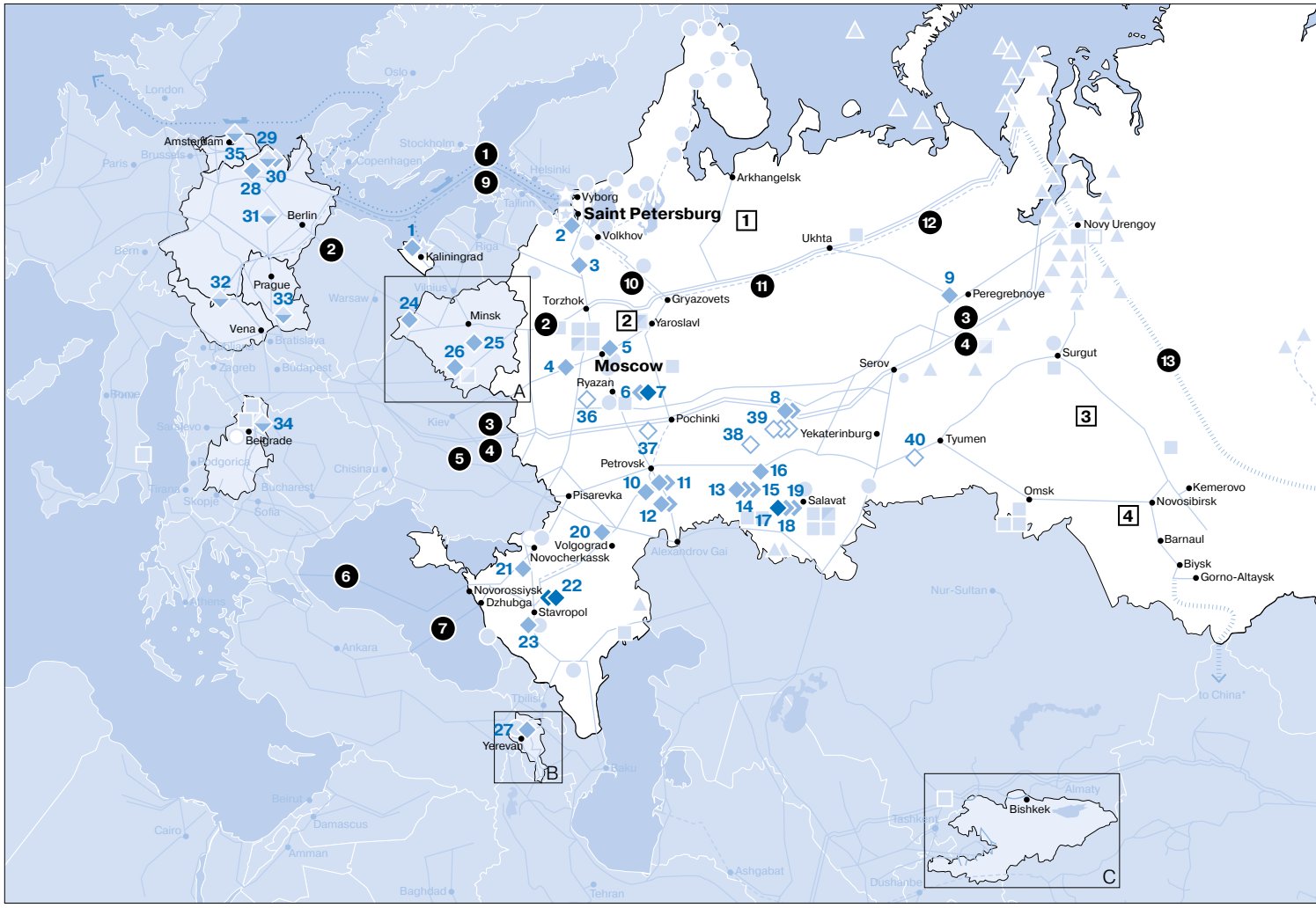
Hydrocarbon production of associates and joint ventures in hydrocarbon prospecting, exploration and production abroad

	For the year ended 31 December				
	2016	2017	2018	2019	2020
Wintershall AG					
Oil, thousand tonnes	504	1,528	2,148	2,392	448
Associated gas, mmcm	137	233	311	415	29
Wintershall Noordzee B.V.					
Natural gas, mmcm	1,013	776	712	535	634
Gas condensate, thousand tonnes	5	8	5	4	3
Oil, thousand tonnes	1	17	52	58	9

Note. Production volumes are given in total for the entities, not specifying Gazprom Group's share.

Gas Transportation and Underground Gas Storage

Assets and projects of Gazprom Group in gas transportation and underground gas storage



Major trunk gas pipelines

- Gazprom Group's existing gas pipelines
- Other existing gas pipelines
- Gas pipelines under construction and projected gas pipelines
- Projected supply routes

Underground gas storage facilities

- Existing UGSFs, active capacity more than 5 bcm
- Existing UGSFs, active capacity less than 5 bcm
- Existing UGSFs co-invested by Gazprom Group
- UGSFs under construction and projected UGSFs

Key gas export routes

1. Nord Stream gas pipeline
2. Yamal – Europe gas pipeline
3. Progress gas pipeline
4. Urengoy – Uzhgorod gas pipeline
5. Soyuz gas pipeline
6. TurkStream gas pipeline
7. Blue Stream gas pipeline
8. Power of Siberia gas pipeline

Gas transportation projects

9. Nord Stream 2 gas pipeline
10. Development of gas transportation capacity of the UGSS of the North-West region, section Gryazovets – Slavyanskaya CS
11. Ukhta – Torzhok 3 gas pipeline
12. Bovanenkovo – Ukhta 3 gas pipeline
13. Power of Siberia 2 gas pipeline
14. Soyuz Vostok gas pipeline (extension of the Power of Siberia 2 gas pipeline into the Mongolian territory)
15. Sakhalin – Khabarovsk – Vladivostok gas pipeline

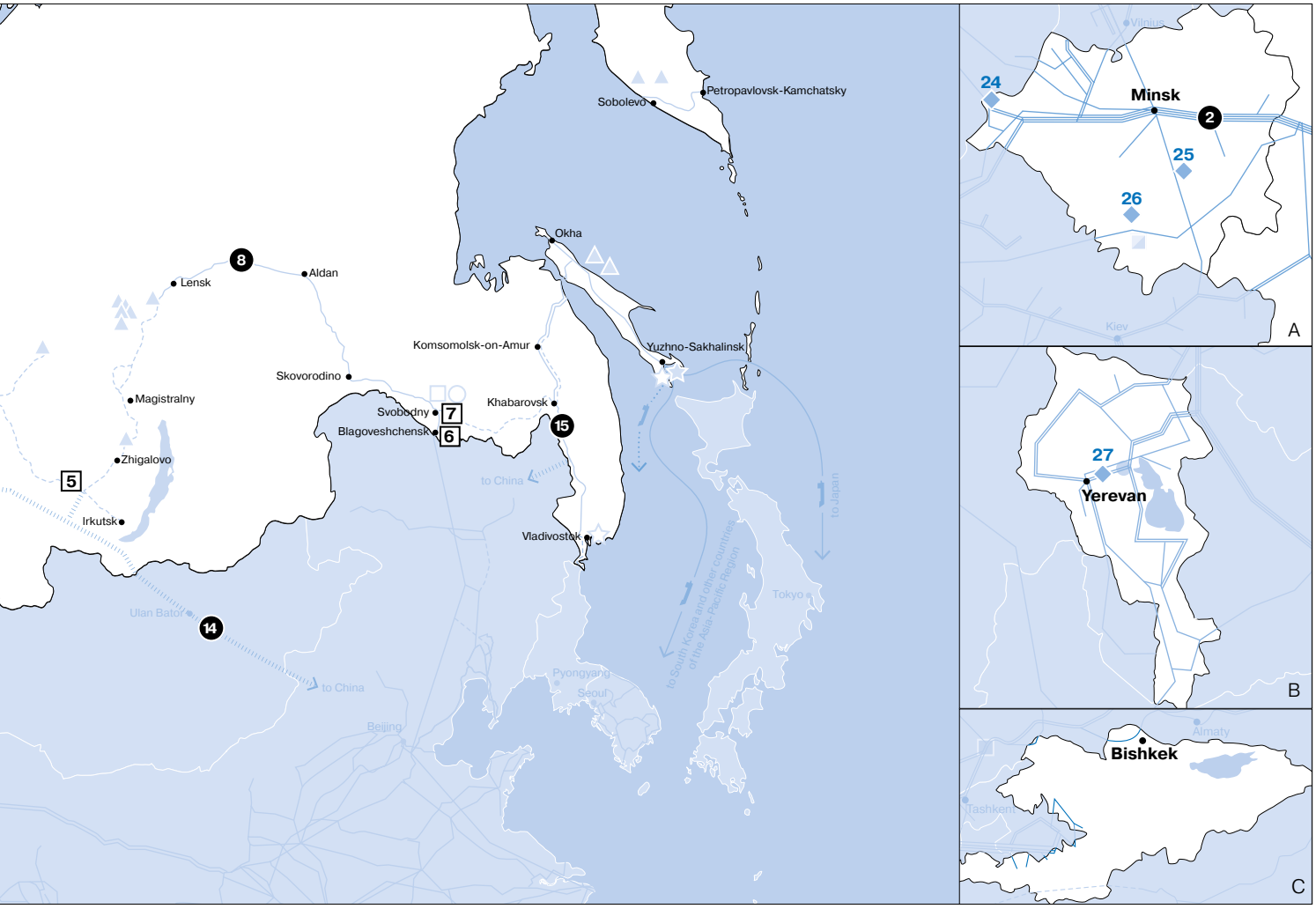
Exploration areas for UGSFs

1. Arkhangelskaya**
2. Skalinskaya
3. Tiginskaya
4. Utyanskaya
5. Angarskaya
6. Blagoveshchenskaya**
7. Belogorskaya

* Negotiations are ongoing between PJSC Gazprom and CNPC to agree the commercial terms and technical conditions of gas supplies from Western Siberia fields to China via the eastern route.

** In 2020, work was underway to wind down exploration due to negative results.

Note. As at 31 December 2020.



UGSFs of Gazprom Group

1	Kaliningradskoye
2	Gatchinskoye
3	Nevskoye
4	Kaluzhskoye
5	Shchelkovskoye
6	Uvyazovskoye
7	Kasimovskoye
8	Karashurskoye
9	Punginskoye
10	Peschano-Umetskoye
11	Elshano-Kurdumskoye
12	Stepnovskoye
13	Dmitrievskoye
14	Mikhailovskoye
15	Kirushinskoye
16	Amanakskoye
17	Sovhoznoye
18	Musinskoye
19	Kanchurinskoye
20	Volgogradskoye
21	Kushchevskoye
22	Severo-Stavropolskoye
23	Krasnodarskoye
24	Pribugskoye (Belarus)
25	Osipovichskoye (Belarus)
26	Mozyrskoye (Belarus)
27	Abovyanskaya underground gas storage station (Armenia)
28	Rehden (Germany)

UGSFs co-invested by Gazprom Group

29	Jemgum (Germany)
30	Etzel (Germany)
31	Katharina (Germany)
32	Haidach (Austria)
33	Dambořice (Czech Republic)
34	Banatski Dvor (Serbia)
35	Bergermeer (Netherlands)***

UGSFs under construction and projected UGSFs

36	Novomoskovskoye
37	Bednodemyanovskoye
38	Arbuzovskoye
39	Udmurtskiy reserve complex
40	Shatrovskoye

*** When constructing the UGSF, PJSC Gazprom provided the necessary volume of cushion gas to get access to its capacities.

Gas Transportation

Development and overhaul of the GTS and decommissioning of excess capacity in Russia

	For the year ended 31 December				
	2016	2017	2018	2019	2020
Commissioning of new gas trunk pipelines and branch pipelines, km	771	640	529	2,279	1,118
Upgrade of trunk pipelines, km	211	100	362	–	–
Overhauls, km	823	810	771	782	597
Number of accidents per 1 thousand km	0.03	0.02	0.05	0.02	0.03

Diagnostics of the GTS in Russia, thousand km

	For the year ended 31 December				
	2016	2017	2018	2019	2020
In-pipe flaw detection	23.9	22.1	25.1	28.9	27.8
Corrosion inspection	17.3	18.0	14.9	21.6	22.7

Major technical characteristics of Gazprom Group's gas transportation assets in Russia

	As at 31 December				
	2016	2017	2018	2019	2020
Length of gas trunk pipelines and pipeline branches, in single-line measuring, including technological jumpers, thousand km	171.8	172.1	172.6	175.2	176.8
Linear compressor stations, units	253	254	254	254	254
Gas pumping units (GPUs), units	3,852	3,844	3,812	3,788	3,781
GPUs installed capacity, thousand MW	46.7	46.7	47.1	46.8	46.8

Breakdown of Gazprom Group's trunk pipelines and pipeline branches, including technological jumpers, by operating life, thousand km

	As at 31 December				
	2016	2017	2018	2019	2020
Up to 10 years	17.3	17.3	16.7	17.5	18.6
From 11 to 20 years	15.8	16.2	15.7	15.5	15.9
From 21 to 30 years	40.9	40.9	34.8	35.3	24.4
From 31 to 40 years	55.2	55.2	59.1	60.0	62.8
From 41 to 50 years	24.9	24.8	26.3	26.7	31.5
Over 50 years	17.7	17.7	20.0	20.2	23.6
Total	**171.8**	**172.1**	**172.6**	**175.2**	**176.8**

Gas supplies into Gazprom's GTS in Russia and gas consumption for the GTS' own operational needs, bcm

	For the year ended 31 December				
	2016	2017	2018	2019	2020
Injection into the GTS	622.59	672.09	693.07	678.96	625.02
Gas consumption for own operational needs	31.98	37.48	40.14	37.99	32.53

Gas transportation volumes of Power of Siberia, Nord Stream, Blue Stream, and TurkStream gas pipelines, bcm

	For the year ended 31 December				
	2016	2017	2018	2019	2020
Power of Siberia gas pipeline	x	x	x	0.33	4.10
Nord Stream gas pipeline (through Portovaya CS)	43.79	50.98	58.71	58.50	59.28
Blue Stream gas pipeline (through Beregovaya CS)	13.06	15.89	13.25	11.10	8.76
TurkStream (through Russkaya CS)*	x	x	x	x	13.51

* Commercial supplies via the gas pipeline commenced in January 2020.

Gas transportation services provided to PJSC Gazprom in neighbouring countries, bcm

	For the year ended 31 December				
	2016	2017	2018	2019	2020
Through the Imatra gas metering station (for supply to Finland)	2.53	2.36	2.62	2.46	1.61
Through Ukraine	82.20	93.46	86.78	89.59	55.90
Through Lithuania	2.21	2.43	2.63	2.45	2.35
Though Latvia	0.42	0.06	0.16	0.11	–
Through Estonia	1.72	1.24	1.44	1.51	–
Through Moldova	18.46	20.22	18.07	10.23	0.89
Through Kazakhstan	27.67	32.69	33.23	21.64	22.45

Major technical characteristics of gas transportation assets of Gazprom Group's subsidiaries abroad

	As at and for the year ended 31 December				
	2016	2017	2018	2019	2020
Belarus (OAO Gazprom transgaz Belarus' GTS and a part of Yamal–Europe trunk gas pipeline passing through Belarus)					
Length*, thousand km	7.9	7.9	7.9	7.9	7.9
Number of compressor stations, units	10	10	10	10	10
including: Gas transportation system of OAO Gazprom transgaz Belarus	5	5	5	5	5
Part of the Yamal–Europe gas pipeline in Belarus	5	5	5	5	5
Gas inflow to gas transportation system, bcm	60.33	61.17	62.59	60.78	55.99
including transit	41.69	42.16	42.26	40.51	37.22
Armenia (ZAO Gazprom Armenia)					
Length*, thousand km	1.7	1.7	1.7	1.7	1.7
Number of compressor stations, units	–	–	–	–	–
Gas inflow to gas transportation system, bcm	2.24	2.38	2.46	2.55	2.60
including transit	–	–	–	–	–
Kyrgyzstan (OsOO Gazprom Kyrgyzstan)					
Length*, thousand km	0.7	0.8	0.8	0.8	0.8
Number of compressor stations, units	1	1	1	1	1
Gas inflow to gas transportation system, bcm	4.52	6.64	6.35	6.79	7.08
including transit	4.25	6.36	6.03	6.49	6.75

* In single-line measuring.

PJSC Gazprom's main existing export gas transportation routes

Gas pipeline	Annual design capacity, bcm	Length, km	Pipe diameter, mm	Countries which and/or the territorial waters of which the pipeline passes
Yamal – Europe	32,9	More than 2,000	1,420	Russia, Belarus, Poland, Germany
Nord Stream	55	1,224	1,220	Territorial waters of Russia, Denmark, Germany Exclusive economic zones of Russia, Finland, Sweden, Denmark, Germany
Urengoy – Pomary – Uzhgorod*	32	4,451	1,420	Russia, Ukraine
Soyuz*	26	2,750	1,420	Russia, Kazakhstan, Ukraine
Progress*	28,5	3,473	1,420	Russia, Ukraine
Blue Stream (offshore part)	16	Two pipeline strings 382 km and 389 km long	600	Russia, Turkey
TurkStream (offshore part)	31,5	Two pipeline strings 937 km and 939 km long	813	Russia, Turkey
Power of Siberia	Up to 48	2,250.9 (Chayandinskoye field – China's border section)	1,420	Russia

* Gas pipelines of the Ukrainian corridor.

Note. As at 31 December 2020.

Major gas transportation projects of Gazprom Group

Project	Purpose	Project highlights: Length	Project highlights: Number / total capacity of compressor stations (CS)	Project highlights: Annual capacity	Year of commissioning	Project status (as at 31 December 2020)
Gryazovets – Vyborg pipeline loopings to the second line on Gryasovets – Volkhov section (expansion)	Additional gas supplies to consumers in Saint Petersburg and the Leningrad Region	217.15 km	–	7.0 bcm	2017–2021	In 2018, a 63.6 km section was commissioned. Construction and installation are underway.
Nord Stream 2	Gas supplies to consumers in Western and Central Europe	Two pipeline strings c. 1,230 km long	–	55 bcm	Pipe laying was resumed in the middle of December 2020. As at 31 December 2020, more than 2,300 km of gas pipe was laid for the two pipeline strings in the Baltic Sea.	
Murmansk – Volkhov	Gas transportation from the Shtokmanovskoye field to the Russian UGSS	C. 1,365 km (will be updated following the project design results)	Up to 10 CS / 1,225 MW (will be updated following the project design results)	Up to 46 bcm (subject to the Shtokmanovskoye field development option)	Construction and commissioning will be scheduled after the Shtokmanovskoye field investment decision is made.	
Bovanenkovo – Ukhta 2	Gas transportation from the Yamal Peninsula fields	1,108 km	9 CS / 830 MW	57.5 bcm	2014–2023	The linear section and seven compressor stations are in operation (including at the second compressor plant of the Chikshinskaya CS commissioned in 2020). Construction of two compressor stations is underway.
Ukhta – Torzhok 2	Additional gas supplies to Russia's North-West to expand the domestic gas infrastructure and ensure export supplies via the Nord Stream 2 pipeline	970 km	7 CS / 625 MW	45 bcm	2014–2021	The linear section and one compressor station are operated (Novoyubileynaya CS, commissioned in 2020). Pre-commissioning of one compressor station and construction of five stations are underway.
Power of Siberia	Gas transportation from the Chayandinskoye field and the Kovyktinskoye to the gas infrastructure of the Far Eastern Federal District, and gas exports to China market	3,053.9 km	9 CS / 1,250 MW	Up to 48 bcm	Phased commissioning in accordance with the obligations under the natural gas sale and purchase agreement.	
section Chayandinskoye field – China's border		2,250.9 km plus 1,483.6 km of loopings	8 CS / 1,186 MW	Up to 48 bcm		In 2019, the Chayandinskoye field–China's border section was commissioned: 2,250.9 km of the linear section (in full) and one 128 MW compressor station were put into operation. The linear section is in operation, construction of compressor stations continues. Design documentation of second CS shops and loopings of the linear section undergo expert reviews.
section Kovyktinskoye field – Chayandinskoye field		803 km	1 CS / 64 MW	26.6 bcm		Construction and installation of the linear section are in progress along with design and survey works on CS expansion.

Project	Purpose	Project highlights: Length	Project highlights: Number / total capacity of compressor stations (CS)	Project highlights: Annual capacity	Project highlights: Year of commissioning	Project status (as at 31 December 2020)
Expansion of UGSS transportation capacity in Northwest Russia, Gryazovets – CS Slavyanskaya section	Additional gas supplies to Russia's North-West and export supplies via the Nord Stream 2 pipeline	1,192 km	7 compressor plants / 967 MW	58.4 bcm (stages 1–3), including up to 55 bcm of gas supplies to the Nord Stream 2 gas pipeline	Phased commissioning starting in 2020	Construction of the linear section of the trunk gas pipeline and compressor plants. In 2020, 851 km linear section of the gas pipeline was commissioned.
Sakhalin – Khabarovsk – Vladivostok (second launch complex)	Additional gas supplies to consumers in the Primorye and Khabarovsk Territories, as well as export supplies	352.9 km	8 CS / 464 MW	C. 22 bcm to full development (to be adjusted based on design stage results)	Phased commissioning starting in 2021	Construction and installation of the linear section are in progress. The design documentation for the expansion of the first Sakhalin CS is under expert review.
Bovanenkovo – Ukhta 3	Gas transportation from the Yamal Peninsula fields	C. 1,260 km (will be updated following the project design results)	10 CS / 1,486 MW (will be updated following the project design results)	C. 66 bcm	Phased commissioning starting in 2023–2024	Design and survey are underway.
Ukhta – Torzhok 3	Additional gas supplies to Russia's North-West and export supplies	C. 972 km (will be updated following the project design results)	6 compressor plants / 740 MW (will be updated following the project design results)	C. 45 bcm	Phased commissioning starting in 2023–2024	Design and survey are underway.
Power of Siberia 2	Gas supplies to consumers in Russia and export across Mongolia to China	Length and other characteristics will be updated following the project design results.		Up to 50 bcm	A study is underway to explore the possibility of gas supplies from Russia to China through Mongolia in accordance with the Memorandum of Understanding signed between PJSC Gazprom and the government of Mongolia on 5 December 2019. In August 2020, PJSC Gazprom and the government of Mongolia signed a Memorandum of Intent on establishing a special-purpose vehicle to conduct a feasibility study for a gas pipeline construction and operation project in Mongolia[4,5]. Negotiations on the project are ongoing.	

Note. As at 31 December 2020. Timelines for commissioning and ramp-up may be adjusted subject to the energy market environment.

[4] Event after the reporting date: in January 2021, OOO Gazoprovod Soyuz Vostok, a special-purpose vehicle, was set up in Mongolia to address matters related to construction and operation of the gas pipeline in the country.

[5] Event after the reporting date: in April 2021, a feasibility study was approved for the Soyuz Vostok gas pipeline project (an extension of Russia's Power of Siberia 2 gas pipeline into the Mongolian territory) as part of a comprehensive feasibility study for a project to supply pipeline gas from Russia across Mongolia to China. Preliminary project estimates confirm the necessary economic value of the project.

Underground Gas Storage

Gazprom's UGSFs in Russia

	As at 31 December				
	2016	2017	2018	2019	2020
Number of UGSFs, units	26	26	27	27	27
Active capacity, bcm	73.62	74.93	75.01	75.01	75.07
CS UGSFs, units	18	19	20	20	20
GPUs, units	219	221	217	203	203
GPU installed capacity, MW	917	949	942	927	927
Number of production wells at UGSFs, units	2,681	2,694	2,705	2,711	2,711

Gas storage in Russia

	2016	2017	2018	2019	2020
Gas injection into UGSFs, mmcm					
Q1	–	23.2	99.8	635.7	243.2
Q2	8,468.8	17,443.9	23,418.6	21,177.3	12,744.6
Q3	14,209.2	24,434.7	23,616.1	21,411.4	17,735.4
Q4	1,973.1	2,275.4	2,349.9	1,816.4	2,076.7
Total	**24,651.1**	**44,177.2**	**49,484.4**	**45,040.8**	**32,799.9**
Gas consumption for own operational needs of UGSFs, mmcm	308	503	555	534	416
	Q3-Q4 and Q1-Q2 of the next year				
	2016/2017	2017/2018	2018/2019	2019/2020	2020/2021
Gas withdrawal from UGSFs, mmcm					
Q3	114.2	164.4	99.8	450.5	343.9
Q4	18,834.6	17,117.2	20,415.6	15,874.4	23,619.5
Q1 of the next year	26,175.1	31,036.3	23,702.9	15,175.8	36,521.0
Q2 of the next year	2,022.8	435.6	513.4	1,107.5	472.9
Total	**47,146.7**	**48,753.5**	**44,731.7**	**32,608.2**	**60,957.3**
Maximum potential daily capacity at the start of gas withdrawal season, mmcm per day	801.3	805.3	812.5	843.3	843.3

UGSFs with Gazprom Group participation abroad

Country	UGSF	Group participation	UGSF capacity as at 31 December 2020						
			Aggregate active capacity, bcm						
			Total	including employed by Gazprom Group	Daily withdrawal capacity employed by Gazprom Group, mmcm	CS	GPU	Aggregate active capacity, bcm	Production wells / caverns
Austria	Haidach	Co-investor (55.5%)	3.1	2.4 (of which OOO Gazprom Export – 2.4)	24.5 (of which OOO Gazprom Export – 24.5)	1	4	62	17
Serbia	Banatski Dvor	Co-investor (51%)	0.55*	0.28 (of which OOO Gazprom Export – 0.28)	2.5 (of which OOO Gazprom Export – 2.5)	1	2	5	18
Germany	Jemgum	Co-investor (83.3%)	0.9	0.8 (capacity not employed by Gazprom Export)	19.9 (capacity not employed by Gazprom Export)	1	3	38	9
	Katharina	Co-investor (50%)	0.52	0.52 (of which OOO Gazprom Export – 0.52)	25.8 (of which OOO Gazprom Export – 25.8)	1	3	37	8
	Rehden	Ownership	4.24	4.24 (of which OOO Gazprom Export – 3.3)	50.5 (of which OOO Gazprom Export – 50.4)	1	7	90	16
	Etzel	Co-investor (33% share in caverns, 16% share in pipeline)	1.0	0.3 (capacity not employed by Gazprom Export)	6.9 (capacity not employed by Gazprom Export)	1	3	24	9
Netherlands	Bergermeer	Co-investor**	4.6	1.85	26.1 (of which OOO Gazprom Export – 26.1)	1	6	72	13
Czech Republic	Dambořice	Co-investor (50%)	0.37	0.3 (of which OOO Gazprom Export – 0.3)	6.9 (of which OOO Gazprom Export – 6.9)	1	3	10.5	14
Belarus	Pribugskoye	Ownership	0.5	0.5	8.0	1	5	7.1	41
	Osipovichskoye	Ownership	0.4	0.4	6.0	1	6	4.4	42
	Mozyrskoye	Ownership	0.3	0.3	20.0	1	2	4.6	16
Armenia	Abovyanskaya underground gas storage station	Ownership	0.1	0.1	6.0	1	9	9.9	21

* Including 0.10 bcm of gas for process needs.
** When constructing the UGSF, PJSC Gazprom provided the necessary volume of cushion gas to get access to its capacities.

Medium-term commercial contracts for the use of UGSF capacities by Gazprom Export in European far-abroad countries in effect at the start of the 2020/2021 withdrawal season

Country	Aggregate active capacity employed by Gazprom Group, bcm	Daily withdrawal capacity employed by Gazprom Group, mmcm
Austria	1.20	8.6
Slovakia	0.86	5.0
Hungary	0.39	4.0

Gazprom Group's gas injection and withdrawal at UGSFs abroad, mmcm

	2016	2017	2018	2019	2020
Gas withdrawal from UGSFs abroad					
FSU countries					
Total, FSU countries	2,144.3	1,274.9	1,227.8	956.5	994.6
Far abroad countries*					
Austria	683.9	2,222.5	1,527.5	2,124.5	1,090.7
Hungary	–	898.4	290.2	1,003.0	–
Germany	654.1	1,840.0	2,072.5	3,639.9	505.4
The Netherlands	1,195.0	1,782.0	1,558.1	283.8	521.5
Serbia	–	12.6	51.1	58.6	21.0
Slovakia	–	738.0	283.6	1,112.6	223.7
Czech Republic	105.3	190.8	393.8	26.8	47.4
Short-term contracts for storage in European UGSFs	–	909.9	412.9	–	–
Total, far abroad countries	**2,638.3**	**8,594.2**	**6,589.7**	**8,249.2**	**2,409.7**
Total	**4,782.6**	**9,869.1**	**7,817.5**	**9,205.7**	**3,404.3**

* Gazprom Group gas injection under the contracts of OOO Gazprom Export.

	Q3-Q4 and Q1-Q2 of the next year				
	2016/2017	2017/2018	2018/2019	2019/2020	2020/2021
Gas withdrawal from UGSFs abroad*					
FSU countries					
Total, FSU countries	1,997.1	1,298.7	1,067.5	875.3	1,074.9
Far abroad countries**					
Austria	1,480.5	2,054.0	546.5	1,167.6	3,342.5
Hungary	–	898.4	267.7	8.8	292.7
Germany	936.9	2,117.5	1,008.0	774.2	4,005.4
The Netherlands	1,981.3	1,532.8	368.6	500.6	1,650.4
Serbia	0.5	44.5	13.7	3.2	27.2
Slovakia	–	673.0	201.7	75.7	1,005.6
Czech Republic	104.5	183.2	147.0	26.6	299.8
Short-term contracts for storage in European UGSFs	–	974.9	–	–	–
Total, far abroad countries	**4,503.7**	**8,478.3**	**2,553.3**	**2,556.7**	**10,623.6**
Total	**6,500.8**	**9,777.0**	**3,620.8**	**3,432.0**	**11,698.5**

* Excluding volumes sold in UGSFs.
** Gazprom Group gas withdrawal under the contracts of OOO Gazprom Export.

Major projects for the development of underground gas storage in Russia

Region of the Russian Federation	UGSF	UGSF type	Design characteristics	
			Operational gas reserve, bcm	Maximum daily capacity, mmcm
Volgograd Region	Volgogradskoye	Deposits of salt rock	0.8	70.0
Kaliningrad Region	Kaliningradskoye	Deposits of salt rock	0.8	12.0
Republic of Tatarstan	Arbuzovskoye	Water bearing structures	0.7	7.6
Republic of Udmurtia	Udmurtskiy reserve complex	Water bearing structures	2.8	44.9
Tyumen Region	Punginskoye	Depleted field	5.5	50.0
Kurgan Region	Shatrovskoye	Water bearing structures	1.0	14.0
Krasnodar Territory	Kushchevskoye	Depleted field	6.5	70.0
Tula Region	Novomoskovskoye	Deposits of salt rock	0.3	40.0

Promising UGSFs with Gazprom Group's participation abroad

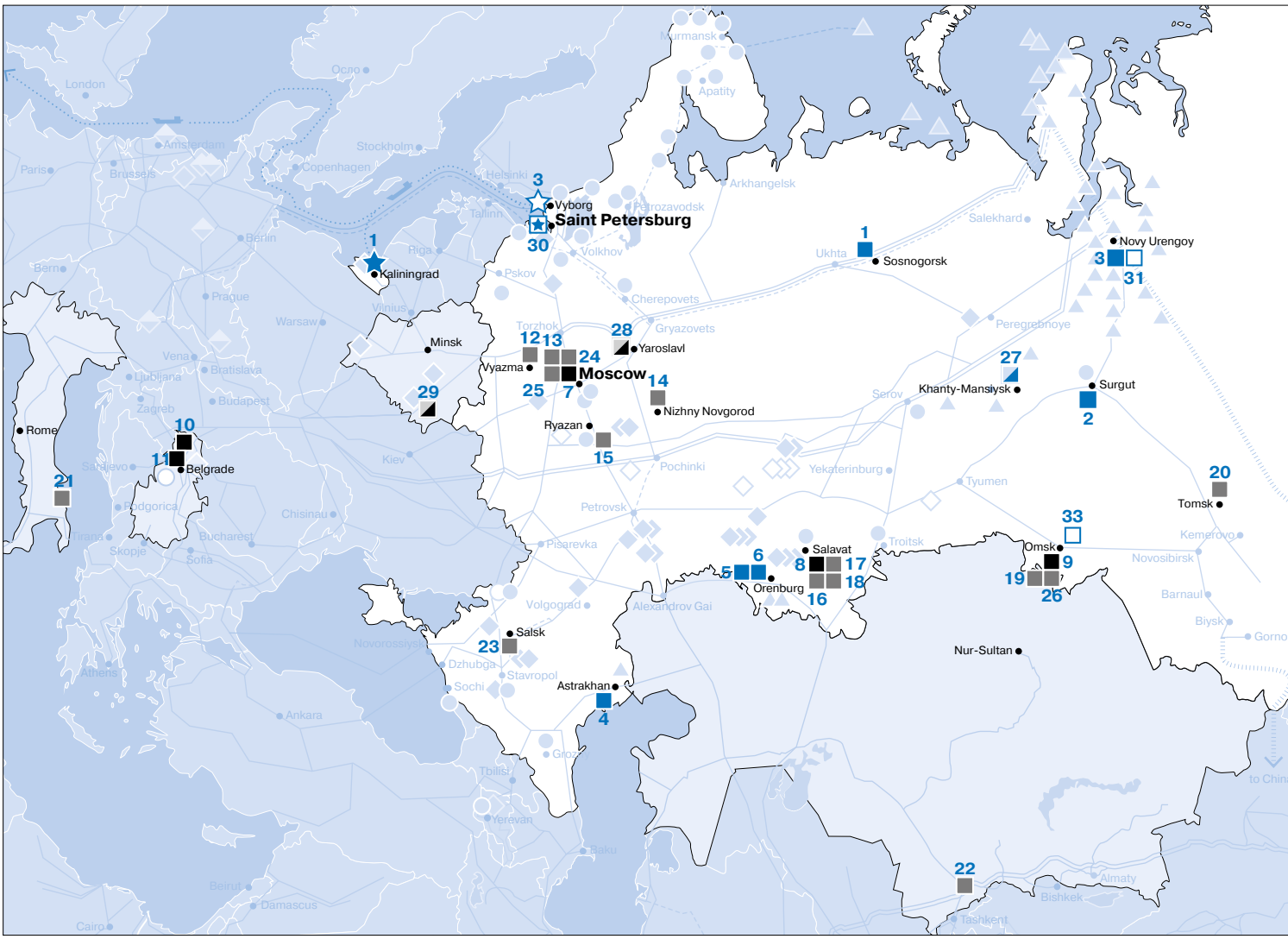
Country	UGSF	Type of construction	Type of UGSF	Project start	Group participation	Project characteristics		Year of commissioning	Year of design capacity	Project status (as at 31 December 2020)
						Aggregate active capacity, bcm	Daily capacity, mmcm			
Germany	Katharina	New construction	Deposits of salt rock	2011	Co-investor (50%)	0.7	25.8	2011	2025	Operation and construction of new capacity is underway.
Serbia	Banatski Dvor	Expansion of existing UGSF	Depleted field	2009	Co-investor (51%)	Up to 0.75	Up to 10	2011	2022*	The existing UGSF is operated, Pre-investment study for an expansion project is underway.
Czech Republic	Dambořice	New construction	Depleted field	2014	Co-investor (50%)	0.5	7.6	2016	2021	Operation and expansion is underway.

* Preliminary estimates, the timeline will be adjusted based on design stage results.

Note. As at 31 December 2020. Timelines for commissioning and ramp-up may be adjusted subject to the energy market environment.

Hydrocarbon Refining and Processing, Gas Chemical and Petrochemical Business, LNG Production

Main assets and projects of Gazprom Group and joint ventures in hydrocarbon refining and processing, gas chemical and petrochemical business, LNG production and regasification



Existing refining/processing, gas chemical and petrochemical assets

- GPPs
- Refineries
- Gas chemical and petrochemical facilities
- Gazprom Group's access to GPP capacity
- Gazprom Group's access to refinery capacity
- **Refining/processing, gas chemical and petrochemical projects**
- **LNG production and regasification assets**
- **Projects for LNG production**

GPPs

1	Sosnogorsk GPP
2	Condensate stabilisation plant
3	Condensate pre-transportation preparation plant
4	Astrakhan GPP
5	Orenburg GPP
6	Orenburg Helium Plant

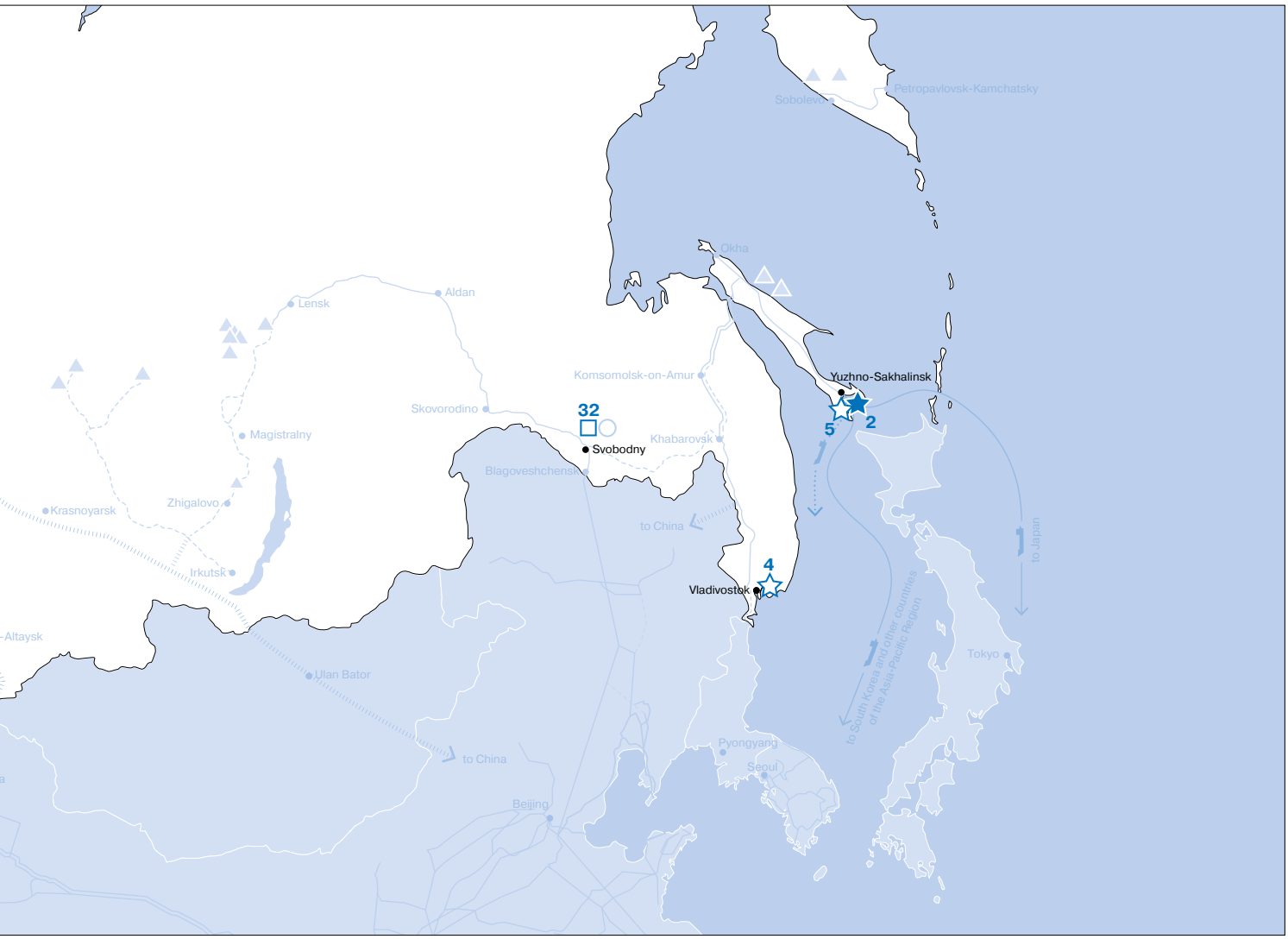
Refineries

7	Moscow Refinery
8	Refinery in Salavat
9	Omsk Refinery
10	Refinery in Novi Sad (Serbia)
11	Refinery in Pančevo (Serbia)

Gas chemical and petrochemical facilities

12	OOO NOVA-Brit
13	Moscow Lubricants Plant
14	ZAO Sovkhimtekh, OOO Poliefir, OOO BSV-CHEM
15	Ryazan Bituminous Materials Experimental Plant
16	Gas chemical plant
17	Monomer Plant
18	Acrylic acid and butyl acrylate plant
19	Omsk Lubricants Plant

Note. As at 31 December 2020.



20	Methanol plant
21	Oil and lubricant blending plant in Bari (Italy)
22	Bitumen plant in Shymkent (Kazakhstan)
23	Bitumen terminal in Salsk
24	NPP Neftekhimiya*
25	Total – PMB*
26	Poliom*

Gazprom Group's access to GPP capacity

27	Yuzhno-Priobskiy GPP (Gazprom Group's access to 50% of capacity)

* Assets of joint ventures.

Gazprom Group's access to refinery capacity

28	Slavneft-YANOS (Gazprom Group's access to 50% of capacity)
29	Mozyr Refinery (Belarus)**

Refining/processing, gas chemical and petrochemical projects

30	Integrated complex for gas processing and liquefaction near the seaport of Ust-Luga
31	Novourengoyskiy Gas Chemical Complex
32	Amur GPP
33	Catalyst production

** Up to 50% volume of oil supplied to the refinery.

LNG production and regasification assets

1	Kaliningrad regasification terminal
2	LNG plant, Sakhalin
3	LNG production, storage and shipping complex near the Portovaya compressor station
4	LNG plant near Vladivostok
5	Third processing line of the Sakhalin-2 LNG project

Volumes of Gazprom Group's hydrocarbon processing
(excluding tolling arrangements)

	For the year ended 31 December				
	2016	2017	2018	2019	2020
Natural and associated petroleum gas, bcm					
PJSC Gazprom and its major subsidiaries*	30.06	29.94	30.14	30.60	29.76
Gazprom neftekhim Salavat	0.49	0.43	0.47	0.44	0.45
Gazprom Neft	0.44	0.45	0.45	0.43	0.40
Total	**30.99**	**30.82**	**31.06**	**31.47**	**30.61**
Primary oil refining and primary processing of stable gas condensate, mm tonnes					
PJSC Gazprom and its major subsidiaries	6.58	6.49	6.21	6.65	6.64
Gazprom Neft	41.89	40.11	42.91	41.48	40.39
including abroad	3.23	3.42	3.56	3.14	3.32
Gazprom neftekhim Salavat	6.47	6.48	6.74	6.83	6.66
Total	**54.94**	**53.08**	**55.86**	**54.96**	**53.69**

* Including the processing volumes at OOO Gazprom methanol and AO Gazprom dobycha Tomsk.

Processing (purification and stabilisation) of unstable gas condensate by PJSC Gazprom major subsidiaries*, mm tonnes
(excluding tolling arrangements)

	For the year ended 31 December				
	2016	2017	2018	2019	2020
Unstable gas condensate (oil)	17.55	17.47	17.75	18.82	18.47

* Including the processing volumes at OOO Gazprom dobycha shelf Yuzhno-Sakhalinsk and AO Gazprom dobycha Tomsk as well as OOO Gazprom dobycha Irkutsk and OOO Servisneftegaz, whose financial results are excluded from Gazprom Group' IFRS consolidated financial statements due to their insignificance.

Processing of natural and associated gas supplied by non-Group companies by Gazprom's major subsidiaries, bcm
(under tolling arrangements)

	For the year ended 31 December				
	2016	2017	2018	2019	2020
Natural and associated gas	9.28	9.15	9.55	9.11	8.99

Major types of Gazprom Group's refined and processed products, and gas chemical and petrochemical products
(excluding tolling arrangements)

	For the year ended 31 December				
	2016	2017	2018	2019	2020
Stable gas condensate and oil, thousand tonnes	8,216.4	8,688.7	8,234.3	8,362.0	9,977.6
Dry gas, mmcm	23,996.9	23,607.0	23,590.9	23,928.9	23,862.9
Liquefied hydrocarbon gases, thousand tonnes	3,525.4	3,522.5	3,614.3	3,663.8	3,567.6
including abroad	115.0	103.0	97.0	77.8	95.9
Motor gasoline, thousand tonnes	12,270.0	11,705.6	12,044.9	11,703.1	11,823.2
including abroad	516.0	469.0	515.7	445.2	451.4
Diesel fuel, thousand tonnes	14,971.4	14,322.1	15,662.5	15,514.6	16,262.6
including abroad	1,363.0	1,299.0	1,571.2	1,432.7	1,593.3
Jet fuel, thousand tonnes	3,213.2	3,148.8	3,553.3	3,433.8	2,758.3
including abroad	122.0	155.0	190.4	154.4	88.0
Heating oil, thousand tonnes	7,787.2	6,585.9	6,880.6	7,167.8	5,386.1
including abroad	334.0	318.0	253.7	186.4	169.8
Marine fuel, thousand tonnes	3,177.2	3,367.3	2,952.0	2,795.3	2,519.0
Bitumen, thousand tonnes	2,112.0	2,662.1	3,122.3	2,959.0	3,254.2
including abroad	335.0	553.3	600.3	572.3	631.4
Oils, thousand tonnes	421.0	480.0	487.2	539.3	433.5
Sulphur, thousand tonnes	4,905.6	5,013.6	5,179.7	5,377.8	5,021.6
including abroad	22.0	24.0	23.0	13.8	24.4
Helium, mcm	5,054.1	5,102.2	5,088.9	4,731.5	4,470.7
Wide fraction of light hydrocarbons, thousand tonnes	1,807.0	1,349.7	1,465.5	1,383.,8	1,353.1
Ethane fraction, thousand tonnes	377.9	363.0	347.3	337.3	337.4
Monomers, thousand tonnes	294.0	264.9	335.8	293.3	320.2
Polymers, thousand tonnes	179.1	154.3	185.6	171.6	191.4
Products of organic synthesis, thousand tonnes	89.6	44.7	71.3	49.7	48.8
Mineral fertilizers and feedstock, thousand tonnes	953.0	913.2	836.4	799.7	800.6

Areas at utilization of some types of refined oil and gas products produced by Gazprom Group

Product	Area of utilization
Acrylic acid, acrylates	Production of absorbent products, water-emulsion paints and other adhesive coatings
Bitumen oil	Road construction, waterproofing materials
Bitumen-derived materials	Construction and repair of highways, airfields, artificial structures, hydro and corrosion protection, industrial and civil engineering
Helium	Power engineering, metallurgy, aerospace industry, shipbuilding, mechanical engineering, medicine
Mineral fertilizers (urea, technical liquid ammonia, carbon dioxide, ammonium nitrate)	Agriculture
Monomers (ethylene, propylene, styrene)	Feedstock for the petrochemical industry
Products of organic synthesis (butanol, DOP plasticizer)	Feedstock for the petrochemical industry
Polymer-bitumen binder	Road construction
Polymers (polyethylene, polystyrene)	Manufacture of medical and household products, tapes, packaging and insulation materials
Ethane fraction	Feedstock for the petrochemical industry
Cokes	Manufacture of electrodes, anodes. Nonferrous and ferrous metallurgy
Wide fraction of light hydrocarbons	Feedstock for the petrochemical and gas chemical industry

Refined products produced by major Gazprom Group's subsidiaries
(excluding tolling arrangements)

	For the year ended 31 December				
	2016	2017	2018	2019	2020
PJSC Gazprom and its major subsidiaries*					
Stable gas condensate and oil, thousand tonnes	8,216.4	8,688.7	8,234.3	8,362.0	9,977.6
Dry gas, mmcm	23,620.1	23,223.1	23,211.3	23,568.3	23,525.0
Liquefied hydrocarbon gases, thousand tonnes	2,578.4	2,828.5	2,814.3	2,944.4	2,787.7
Motor gasoline, thousand tonnes	2,497.9	2,234.5	2,150.7	2,319.8	2,214.2
Diesel fuel, thousand tonnes	1,435.6	1,496.8	1,373.4	1,618.6	1,546.2
Jet fuel, thousand tonnes	174.2	111.8	88.3	95.0	87.1
Heating oil, thousand tonnes	346.1	328.4	323.4	395.4	97.1
Sulphur, thousand tonnes	4,696.5	4,847.9	4,983.9	5,154.4	4,765.7
Helium, mcm	5,054.1	5,102.2	5,088.9	4,731.5	4,470.7
Wide fraction of light hydrocarbons, thousand tonnes	1,666.7	1,149.4	1,270.5	1,212.4	1,192.9
Ethane fraction, thousand tonnes	377.9	363.0	347.3	337.3	337.4
Gazprom Neft					
Dry gas, mmcm	376.8	383.9	379.6	360.6	337.9
Liquefied hydrocarbon gases, thousand tonnes	947.0	694.0	800.0	719.4	779.9
including abroad	115.0	103.0	97.0	77.8	95.9
Motor gasoline, thousand tonnes	9,176.0	8,555.0	8,863.8	8,015.2	8,429.9
including abroad	516.0	469.0	515.7	445.2	451.4
Diesel fuel, thousand tonnes	12,023.0	11,325.0	12,323.6	11,870.4	12,548.9
including abroad	1,363.0	1,299.0	1,571.2	1,432.7	1,593.3
Jet fuel, thousand tonnes	3,039.0	3,037.0	3,465.0	3,338.8	2,671.2
including abroad	122.0	155.0	190.4	154.4	88.0
Heating oil, thousand tonnes	6,720.0	5,696.0	6,204.8	6,447.2	5,117.5
including abroad	334.0	318.00	253.7	186.4	169.8
Marine fuel, thousand tonnes	2,410.0	2,671.0	2,576.4	2,490.8	2,398.1
Bitumen, thousand tonnes	2,021.0	2,569.2	2,928.5	2,780.9	3,081.2
including abroad	335.0	553.3	600.3	572.3	631.4
Oils, thousand tonnes	421.0	480.0	487.2	539.3	433.5
Sulphur, thousand tonnes	180.0	136.0	160.0	186.4	224.9
including abroad	22.0	24.0	23.0	13.8	24.4
Wide fraction of light hydrocarbons, thousand tonnes	131.5	145.4	144.3	136.2	124.5
Gazprom neftekhim Salavat					
Motor gasoline, thousand tonnes	596.1	916.1	1,030.4	1,368.1	1,179.1
Diesel fuel, thousand tonnes	1,512.9	1,500.3	1,965.5	2,025.6	2,167.5
Heating oil, thousand tonnes	721.1	561.5	352.4	325.2	171.5
Marine fuel, thousand tonnes	767.2	696.3	375.6	304.5	120.9
Bitumen, thousand tonnes	91.0	92.9	193.8	178.1	173.0
Sulphur, thousand tonnes	29.1	29.7	35.8	37.0	31.0
Wide fraction of light hydrocarbons, thousand tonnes	8.8	54.9	50.7	35.2	35.7
Monomers, thousand tonnes	294.0	264.9	335.8	293.3	320.2
Polymers, thousand tonnes	179.1	154.3	185.6	171.6	191.4
Products of organic synthesis, thousand tonnes	89.6	44.7	71.3	49.7	48.8
Mineral fertilizers and feedstock, thousand tonnes	953.0	913.2	836.4	799.7	800.6

* Including output of refined products of OOO Gazprom dobycha shelf Yuzhno-Sakhalinsk, OOO Gazprom methanol, AO Gazprom dobycha Tomsk. Also including output of refined products of OOO Gazprom dobycha Irkutsk and OOO Servisneftegaz; the financial results of these entities are not included in Gazprom Group's IFRS consolidated financial statements due to insignificance.

Hydrocarbon refining/processing, gas chemical and petrochemical plants

Plant	Company	Location	Year of commissioning/ establishment	Annual hydrocarbons processing/ production capacity as at 31 December 2020	Product range
Astrakhan GPP	OOO Gazprom pererabotka	Astrakhan	1986	12.0 bcm of natural gas, 7.3 mm tonnes of unstable gas condensate or 2.5 mm tonnes of stable gas condensate and oil	Dry marketable gas, stable gas condensate, LPG, wide fraction of light hydrocarbons (WFLH), automobile gasoline, light gas condensate distillate, diesel fuel, fuel oil, heavy gas condensate distillate, gas condensate middle distillate, gas sulphur
Orenburg GPP		Orenburg	1974	37.5 bcm of natural gas, 6.26 mm tonnes of unstable gas condensate and oil	Dry marketable gas, stable gas condensate, LPG, WFLH, gas sulphur, odorant
Orenburg Helium Plant		Orenburg	1978	15.0 bcm of natural gas	Helium gaseous and liquid, dry marketable gas, ethane fraction, LPG, WFLH, pentane-hexane fraction, hydrocarbon fraction
Sosnogorsk GPP		Sosnogorsk, Republic of Komi	1946	3.0 bcm of natural gas, 2.5 mm tonnes of unstable condensate (stabilisation)	Dry marketable gas, LPG, stable gas condensate, carbon black
Urengoy Condensate Pre-transportation Preparation Plant		Novy Urengoy	1985	13.67 mm tonnes of unstable (non-degassed) condensate (de-ethanisation and stabilisation) or 12.2 mm tonnes of degassed condensate	De-ethanised gas condensate, stable gas condensate, LPG, WFLH, diesel fuel, light distillate of gas condensate, TS-1 jet fuel, de-ethanised gas
Surgut Condensate Stabilisation Plant		Surgut	1985	12.05 mm tonnes of oil and gas condensate mixture, 4.0 mm tonnes of stable gas condensate and oil	Stable gas condensate (oil), motor gasoline, diesel fuel, TS-1 jet fuel, LPG, WFLH, pentane-hexane fraction, light gas condensate distillate
Plant for the Production of Methanol, Methanol Formalin and Carbamide-Formaldehyde Concentrate	OOO Gazprom Methanol	Tomsk	1983	Feedstock: 926.01 mmcm of gas Production: 871.13 thousand tonnes of methanol	Methanol
			2016	Feedstock: 45.77 thousand tonnes of methanol, 14.52 thousand tonnes of urea Production: 57.82 thousand tonnes of urea-formaldehyde concentrate UFC-85, 11.92 thousand tonnes of formalin	Formalin methanol, urea-formaldehyde concentrate
Omsk Refinery	AO Gazprom neft – Omsk Refinery	Omsk	1955	22.23 mm tonnes of oil and condensate	Motor gasoline, stable natural gasoline, diesel fuel, jet fuel, fuel oil, aromatic hydrocarbons, liquefied hydrocarbon gases, coke, oil bitumens, sulphur, hydrocracking catalysts
Moscow Refinery	AO Gazprom neft – Moscow Refinery	Moscow	1938	12.76 mm tonnes of oil	Motor gasoline, diesel fuel, jet fuel, fuel oil, oil bitumens, liquefied hydrocarbon gases, sulphur
Oil Refinery (Pančevo)	NIS	Pančevo (Serbia)	1968	4.6 mm tonnes of oil	Motor gasoline, stable natural gasoline, diesel fuel, jet fuel, fuel oil, benzene, toluene, liquefied hydrocarbon gases, oil bitumen, polymer-modified bitumen, sulphur, propylene
Oil Refinery (Novi Sad)	NIS	Novi Sad (Serbia)	1968	Suspended	Motor gasoline, diesel fuel, fuel oil, bitumens

Plant	Company	Location	Year of commissioning/ establishment	Annual hydrocarbons processing/ production capacity as at 31 December 2020	Product range
Oil and Lubricant Blending Plant (Bari)	Gazpromneft Lubricants Italia S.p.A.	Bari (Italia)	1976	30 thousand tonnes of oils and 6 thousand tonnes of plastic lubricants	Industrial oils, motor oils, lubricants
Moscow Lubricant Plant (MZSM)	AO Gazpromneft MZSM	Fryazino, Moscow Region	2007	108 thousand tonnes of oils	Motor oils, transmission oils, industrial oils
Omsk Lubricant Plant (OZSM)	OOO Gazpromneft – lubricants	Omsk	2009 (branch of OOO Gazprom neft – Lubricants in Omsk was set up)	260 thousand tonnes of oils	Motor oils, industrial oils
Ryazan Bitumen Materials Experimental Plant (RZBM)	OOO Gazpromneft – Ryazan Bitumen Materials Plant	Ryazan	2011 (Polymer-bitumen binder unit)	130 thousand tonnes of polymer-bitumen binder	PMB binder
Bitumen Plant	TOO Gazpromneft –Bitumen Kazakhstan	South Kazakhstan region (Kazakhstan)	2011	280 thousand tonnes	Road and construction bitumen
OOO NOVA-Brit	OOO NOVA-Brit	Vyazma, Smolensk Region	2005	80 thousand tonnes	Bituminous products used in road and airfield construction, housing and utilities, bridge construction and metro engineering, bitumen sealers and mastics, PMB joint tapes, bitumen emulsions, PMB binders, PMB emulsion mastics, road coverings, liquid rubber
Bitumen terminal in Salsk	OOO Gazpromneft – Bitumen Terminal Yug	Salsk, Rostov Region	2018	Production: 60 thousand tonnes of polymer-bitumen binder Transshipment: 120 thousand tonnes of oil road bitumen	Polymer-bitumen binder
AO SOVKHIMTEKH, OOO Poliefir, OOO BCV-CHEM	Rospolikhim Group of Companies	Nizhny Novgorod	2001	30 thousand tonnes of products, including 5 thousand tonnes of oils	Aviation, hydraulic, tempering, compressor, vacuum, transmission, refrigerator, industrial, and rolling mill oils, cooling lubricants, plasticisers, preservative lubricants, deicing fluid, vinylin, additives, lubricant bases
Refinery	OOO Gazprom neftekhim Salavat	Salavat, Republic of Bashkortostan	1955	10.0 mm tonnes of oil and stable gas condensate	Motor gasoline, pentane-isopentane fraction, isomerisation product, isopentane fraction, petroleum benzene, petroleum toluene, diesel fuel, fuel oil, petroleum fuel, feedstock for viscous road construction bitumens, technical sulphur, oil bitumens

Plant	Company	Location	Year of commissioning/ establishment	Annual hydrocarbons processing/ production capacity as at 31 December 2020	Product range
Monomer Plant	OOO Gazprom neftekhim Salavat	Salavat, Republic of Bashkortostan	1991	165.7 thousand tonnes of polyethylene, 45.9 thousand tonnes of polystyrene, 202.0 thousand tonnes of styrene, 230.0 thousand tonnes of ethylbenzene, 369.0 thousand tonnes of ethylene, 163.0 thousand tonnes of propylene, 152.3 thousand tonnes of benzene, 183.8 thousand tonnes of alcohols, 37.6 thousand tonnes 2-ethylhexanol, 21.9 thousand tonnes of hydrogen, 38.4 thousand tonnes of dioctyl phthalate plasticiser, 16.3 thousand tonnes of phthalic anhydride	Ethylene, propylene, benzene, pentane-isoprenecyclopentadiene fraction, butylene-butadiene fraction, heavy pyrolysis residue, styrene, ethylbenzene, polystyrenes, high-density polyethylene, high-pressure polyethylene, normal industrial butyl alcohol, industrial isobutyl alcohol, 2-ethylhexanol, DOP plasticiser
Gas Chemical Plant	OOO Gazprom neftekhim Salavat	Salavat, Republic of Bashkortostan	1964	604.8 thousand tonnes of ammonia, 701.7 thousand tonnes of urea	Ammonia, urea, ammonia water
Acryl Acid and Butyl Acrylate Plant	OOO Akryl Salavat	Salavat, Republic of Bashkortostan	2016	80 thousand tonnes of butyl acrylate, 35 thousand tonnes of glacial acrylic acid (polymer-grade)	Butyl acrylate, glacial acrylic acid

Additionally, Gazprom Group has access to the following capacities:

Plant	Company	Location	Year of commissioning/ establishment	Annual processing/production capacity as at 31 December 2020	Product range
Slavneft-YANOS	OAO Slavneft-YANOS	Yaroslavl	1958–1961	15.0 mm tonnes of oil	Motor gasoline, stable gas gasoline, diesel fuel, jet fuel, heating oil, oils, aromatic hydrocarbons, sulphur, sulfuric acid, paraffin-wax products
Mozyr Refinery	OAO Mozyr Oil Refinery	Mozyr (Republic of Belarus)	1975	14.0 mm tonnes of oil	Motor gasoline, lighting kerosene, diesel fuel, household heating oil, heating oil, oil bitumen, liquefied petroleum gases, vacuum gasoil, petroleum benzene
NPP Neftekhimiya	OOO NPP Neftekhimiya (joint venture with PAO SIBUR Holding)	Moscow	2003	150.0 thousand tonnes	Polypropylene
Poliom	OOO Poliom (joint venture with PAO SIBUR Holding)	Omsk	2013	218.4 thousand tonnes	Polypropylene
Total – PMB	OOO Gazpromneft – Total PMB (joint venture with Total)	Moscow	2014	40.0 thousand tonnes	Polymer-modified bitumen and polymer-bitumen binder, bitumen emulsion
Yuzhno-Priobskiy GPP	OOO Yuzhno-Priobskiy GPP (joint venture with PAO SIBUR Holding)	Khanty-Mansiysk	2015	900.0 mmcm of APG	Dry stripped gas, wide fraction of light hydrocarbons

Major investment projects at Gazprom Group's hydrocarbon processing, gas and petrochemical production enterprises

Enterprise	Company	Project	Purpose of the project	Refining/production design capacity, other project features	Year of commissioning/ operational readiness
Astrakhan GPP	OOO Gazprom pererabotka	Renovation of Phase 1 and Phase 2 of the Astrakhan Gas Processing Plant (GPP) into an integrated operation	Increasing the conversion rate, improving the quality and environmental performance of marketable products (diesel fuel, gasoline)	The project is to ensure processing of condensate and NGL in the amount equal to processing of 12.0 bcm of gas	2023
		Upgrading the Astrakhan GPP to produce ethane fraction	Increase the conversion rate, launch production of a new marketable product (ethane fraction)	Up to 320 thousand tonnes of ethane fraction per year to be used in polyethylene production	2027
Methanol, formalin and urea-formaldehyde concentrate plant	OOO Gazprom metanol	Methanol capacity expansion project (Phase 2)	Increase production capacity to 3,100 tonnes per day	Raw material: 1,020 mmcm of gas Output: 1,000 thousand tonnes of methanol	2023
		Retrofitting	Upgrade existing process equipment for methanol, formalin and urea-formaldehyde concentrate production	No adjustments	Annually
Omsk Refinery	AO Gazpromneft – ONPZ	Construction of a deep conversion complex including a vacuum gas oil hydrocracking unit, hydrogen and sulphur units*	Increase production of high-octane gasolines, jet fuel and diesel fuel	2.0 mm tonnes of vacuum gas oil per year	2021
		Construction of a combined primary oil refining unit*	Replace obsolete units, ensure separate processing of oil and condensate to improve cold-resistance properties of jet fuel	8.4 mm tonnes oil and 1.2 mm tonnes of stable gas condensate per year	2021
		Construction of a delayed coking unit*	Discontinue production of fuel oil and increase production of light products and anode grade coke	2.0 mm tonnes of vacuum residue per year	2021
		Installation of a diesel fuel hydrotreating/ dewaxing unit	Replace two hydrotreating units, increase output of winter diesel fuel	2.5 mm tonnes per year	2021

* Projects to increase the conversion rate.

Enterprise	Company	Project	Purpose of the project	Refining/production design capacity, other project features	Year of commissioning/ operational readiness
		Upgrade of delayed coking unit 21-10/3M	Replacement of worn-out and obsolete equipment increasing turnaround intervals from 2 to 4 years and installing needle coke production capacity	767 thousand tonnes per year	2022
		Upgrade the catalytic reformer	Refine secondary gasolines and eliminate high-sulphur low-octane components	Annual capacity up from 600 thousand tonnes to 900 thousand tonnes	2021
		Construction of wastewater treatment facilities	Decrease concentration of hazardous substances in industrial effluents, reduce open area sources, reduce fresh water consumption through reusing treated wastewater	3,450 cu m per hour	2022
Moscow Refinery	AO Gazprom neft Moscow Refinery	Construction of a deep conversion complex including a hydrocracker, delayed coking, hydrogen and sulphur units*	Reduce production of fuel oil, increase production of light products	2.0 mm tonnes of vacuum gas oil and 2.4 mm tonnes of vacuum residue per year	2023–2025 (phased commissioning)
		Construction of an automated on-spot loading unit for light products to fill rail cars	Increase the capacity of the fuel shipment system, minimise the negative environmental impact	5.8 thousand tonnes of oil products per day or 2.1 mm tonnes of oil products per year	2023
Pančevo Refinery	NIS	Upgrade the catalytic cracking unit	Increase the refinery's output	Annual production capacity up from 600 thousand to 660 thousand tonnes	2024
		Construction of an ETBE unit	Produce bio-components for motor fuel	55 thousand tonnes per year	2024
Omsk Lubricants Plant	OOO Gazprom neft – lubricants	Construction of a complex for hydro-dewaxing hydrocracking residue	Produce Group I and Group II base oils to substitute imported base oils in production of synthetic lubricants, reduce cost and expand the product mix	220 thousand tonnes per year	2022–2023
Refineries	OOO Gazprom neftekhim Salavat	Construction of a catalytic cracking complex	Increase conversion rate of vacuum gasoil and hydrotreated vacuum gasoil in the production of high-octane components of marketable gasolines	1.095 mm tonnes of vacuum gas oil per year	2021
		Construction of an elemental sulphur production unit (first processing line)	Process additional volumes of hydrogen sulphide generated at the refinery's hydrotreaters after increasing conversion rate of high-sulphur feedstock	60 mm tonnes per year	2021
		Upgrading of:	Increase output of marketable gasolines, premium Euro 5 environmental class		
		vacuum gas oil hydrotreater		1.2 mm tonnes of raw materials per year	2021–2022 (phased commissioning)
		pre-treatment unit of the catalytic reformer		1.0 mm tonnes of raw materials per year	
		Upgrading wastewater treatment facilities	Improve the quality of wastewater treatment to meet the requirements for fishing reservoirs of the highest water quality class, utility and recreational waters; significantly increase the share of recycled water; halve the territory occupied by treatment facilities; reduce air emissions	x	2021–2023 (phased commissioning)

* Projects to increase the conversion rate.

Note. Data as at 31 December 2020.Timelines for commissioning and ramp-up may be adjusted subject to the energy market environment.

Gazprom Group major projects for creation of new enterprises for hydrocarbon refining and processing, gas chemical and petrochemical

Project name and purpose	Company	Location	Annual processing/production design capacity	Year of commissioning	Project status (as at 31 December 2020)
Novourengoysky Gas Chemical Complex. Purpose – process de-ethanised condensate gases from the Nadym-Pur-Taz region. Potential target markets for marketable products include Russia, Europe and Asia.	OOO «Gazprom Novourengoysky Gas Chemical Complex»	Novy Urengoy	1,456 thousand tonnes of ethane-containing gas, 400 thousand tonnes of low-density polyethylene	Will be determined following facility diagnostics	Coordination Agreement between PJSC Gazprom and PAO SIBUR Holding to look into the possibility of joining forces in implementing major investment projects in gas processing and gas chemical production signed in September 2019. A roadmap was signed in October 2019 for implementation of the Agreement, with activities including engineering surveys, diagnostics of previously procured and installed equipment, pipelines and technical devices, inspection of buildings and structures, drawing up design documentation in order to complete the construction of the Novy Urengoy Gas Chemical Complex.
Amur GPP. Purpose – comprehensive processing of natural gas from the Yakutsk and Irkutsk gas production centres.	OOO Gazprom pererabotka Blagoveschensk	Svobodnensky District, Amur region	Processing of 42.0 bcm of natural gas per annum Production 38.0 bcm of marketable gas, up to 2.4 mm tonnes of ethane, up to 1.56 mm tonnes of compressed natural gas, up to 0.2 mm tonnes of pentane-hexane fraction, up to 60.0 mmcm of helium*	The first start-up complex is scheduled for commissioning in 2021, with the remaining ones slated for 2022–2024. Ramp-up to design capacity is expected in 2025.	The active phase construction and installation activities continue at the Amur GPP site, with works in progress on the facilities of six process trains at once. Pre-commissioning activities and installation of thermal insulation are ongoing on the first and second process trains. The installation of the main process equipment – feed gas treatment and cooling units, deethaniser, demethaniser, nitrogen separation column, and compressors – is completed on the third and fourth trains. The first large equipment items – depropaniser, debutaniser, and upstream gas drying and treatment units – were installed on the fifth and sixth trains. Steel structure welding, pipe and cable laying are ongoing. Junction to the Power of Siberia trunk gas pipeline has been commissioned. From March 2020, full project financing is provided for the Amur GPP construction.
A stabilisation unit for Achimov deposit condensate from the Nadym-Pur-Taz region. Purpose – creation of treatment and transport arrangements for heavy paraffinous raw material (oil and condensate of the Achimov deposits) in the north of the Tyumen Region.	OOO Gazprom pererabotka	Purovsky District, Yamal-Nenets Autonomous Area	Unstable gas condensate – 4.0 mm tonnes, de-ethanised condensate – 2.4 mm tonnes, stable condensate – 1.2 mm tonnes, de-ethanised gases – 0.4 bcm	2021	The facility is in the final construction stage.

* Given in normal cubic metres of gas, corresponding to cubic metres of gas under 0 °C and pressure of 1 atm.

Project name and purpose	Company	Location	Annual processing / production design capacity	Year of commissioning	Project status (as at 31 December 2020)
A gas-to-olefins complex for conversion of natural gas to ethylene and propylene and further conversion of the olefins to petrochemical derivatives at OOO Gazprom neftekhim Salavat. Purpose – natural gas monetisation through production of high value-added products.	OOO Gazprom neftekhim Salavat	Salavat, Republic of Bashkortostan	Future feedstock (natural gas) volumes – 1.5–3 bcm of natural gas*	2026	Investment feasibility assessment is underway.
Catalyst production. Purposes of the project: — Creation of a new knowledge-intensive business unit at PAO Gazprom Neft for production and servicing of catalytic cracking, hydrotreatment and hydrocracking catalysts. — Addressing import substitution and own innovation commercialisation. — Launching a large-scale high-tech production of modern effective catalysts for Gazprom Neft's refineries as well as other refineries in Russia, the CIS and far abroad countries.	OOO Gazpromneft – CS	Omsk	21 thousand tonnes of catalysts	2022	Detailed design documents for all stages were developed in full. The project has passed an official expert review. Full-scale construction of the main facilities is underway. Construction and installation works on the pilot catalyst test centre have been completed, and the construction of off-site facilities continues. Delivery of the main and auxiliary equipment to the site is in progress.

* Given in normal cubic metres of gas, corresponding to cubic metres of gas under 0 °C and pressure of 1 atm.

Note. As at 31 December 2020. Timelines for commissioning and ramp-up may be adjusted subject to the energy market environment.

Gazprom Group's projects to transport liquid hydrocarbons from the Nadym-Pur-Taz region

Pipeline	Company	Location	Annual design capacity	Year of commissioning	Project status (as at 31 December 2020)
Urengoyskaya oil pumping station	OOO Gazprom invest	Purovsky District, Yamal-Nenets Autonomous Area	Transportation up to 5.0 mm tonnes of hydrocarbons	2021	The facility is in the final construction stage.
Urengoy – Purpe oil and condensate pipeline	OOO Gazprom invest	Purovsky District, Yamal-Nenets Autonomous Area	Transportation up to 5.0 mm tonnes of hydrocarbons	2021	The facility is in the final construction stage.

Note. As at 31 December 2020. Timelines for commissioning and ramp-up may be adjusted subject to the energy market environment.

Gazprom Group's capacities to transport liquid hydrocarbons from the Nadym-Pur-Taz region

Pipeline	Company	Location	Annual design capacity	Year of commissioning
Urengoy – Surgut gas condensate pipeline (Line 2). The 107 km – 288 km section	OOO Gazprom pererabotka	Purovsky District, Yamal-Nenets Autonomous Area	Transportation up to 12.0 mm tonnes of hydrocarbons	2018

Prospective projects for hydrocarbon processing and large-scale LNG production involving Gazprom Group

Project and purpose	Company	Location	Terms of Gazprom Group's participation	Annual refining/production design capacity	Year of commissioning	Project status (as at 31 December 2020)
Integrated complex for gas processing and liquefaction near the seaport of Ust-Luga. Purpose – comprehensive processing of ethane-rich gas from the Nadym-Pur-Taz region of the Yamal-Nenets Autonomous Area. The target LNG sales markets are the Atlantic region, the Middle East and South Asia; plans include market research.	OOO RusKhimAlyans (established on a parity basis by OOO Gazprom invest RGK (a subsidiary of OOO Gazprom mezhregiongaz) and AO RusGazDobycha)	Leningrad Region, Kingisepp District	Financing of the project by PJSC Gazprom: 50% – prior to obtaining project finance 15% – after obtaining project finance	Processing of 45 bcm of natural gas per year with production of dry stripped gas, LPG, ethane and pentane-hexane fractions and output of 13 mm tonnes of LNG	Phase 1 – 2024, Phase 2 – 2025	The main engineering solutions for the project have been developed, engineering surveys are completed, the design documents are in progress. Basic designs of LNG liquefaction units are being developed. The project contracting strategy has been developed, preparations are ongoing in obtaining licenced technology and procurement for the project[6]. Territorial planning documents in the part of land surveying are underway, and the construction site is being prepared. Preparations to secure project financing sources are in progress.
Third processing line of the Sakhalin-2 LNG project. The target LNG sales markets are Asia-Pacific countries.	Sakhalin Energy Investment Company Ltd. (a Gazprom Group associate)	Sakhalin	Will be determined by a joint decision of Sakhalin Energy Investment Company Ltd. shareholders	Up to 5.4 mm tonnes of LNG	Will be determined by a joint decision of Sakhalin Energy Investment Company Ltd. shareholders	A positive opinion was obtained from the Main Department of State Expertise for the design documentation, developed in line with Russian standards, on GTS expansion, construction of an LNG jetty and a processing line of the LNG plant. The final decision on implementing the project is not made yet.

Note. Data as at 31 December 2020. Timelines for commissioning and ramp-up may be adjusted subject to the energy market environment.

[6] Event after the reporting date: in March 2021, OOO RusKhimAlyans and Linde Engineering signed an agreement of intent, which defines the basic terms and conditions of a prospective EPSS-contract providing for engineering services, equipment supply and maintenance of gas processing and off-site facilities

Promising small and medium scale LNG projects of Gazprom Group

Name	Target market	Annual design capacity	Year of commissioning	Project status (As at 31 December 2020)
LNG production, storage, and shipping complex near the Portovaya compressor station	Markets of the Baltic and North Sea region, LNG vessel bunkering in the Baltic Sea, and, if necessary, LNG supplies to the LNG regasification terminal in the Kaliningrad Region	1.5 mm tonnes of LNG	2021	Acceptance of the Portovy floating storage unit, which will be moored to the facility's berth, has been completed. Installation of automated systems at the LNG complex and preparations for operation are underway, including no-load start-up and testing and preparation for system cooling and trial operation.
LNG plant near Vladivostok	Asia-Pacific including China and Japan, and LNG bunkering, including in Russia's Far East	To be determined after the Pre-Investment Feasibility Study completion	To be determined after the Pre-Investment Feasibility Study completion	A pre-investment study for a project to build a LNG plant near Vladivostok completed and submitted to PJSC Gazprom for expert review.

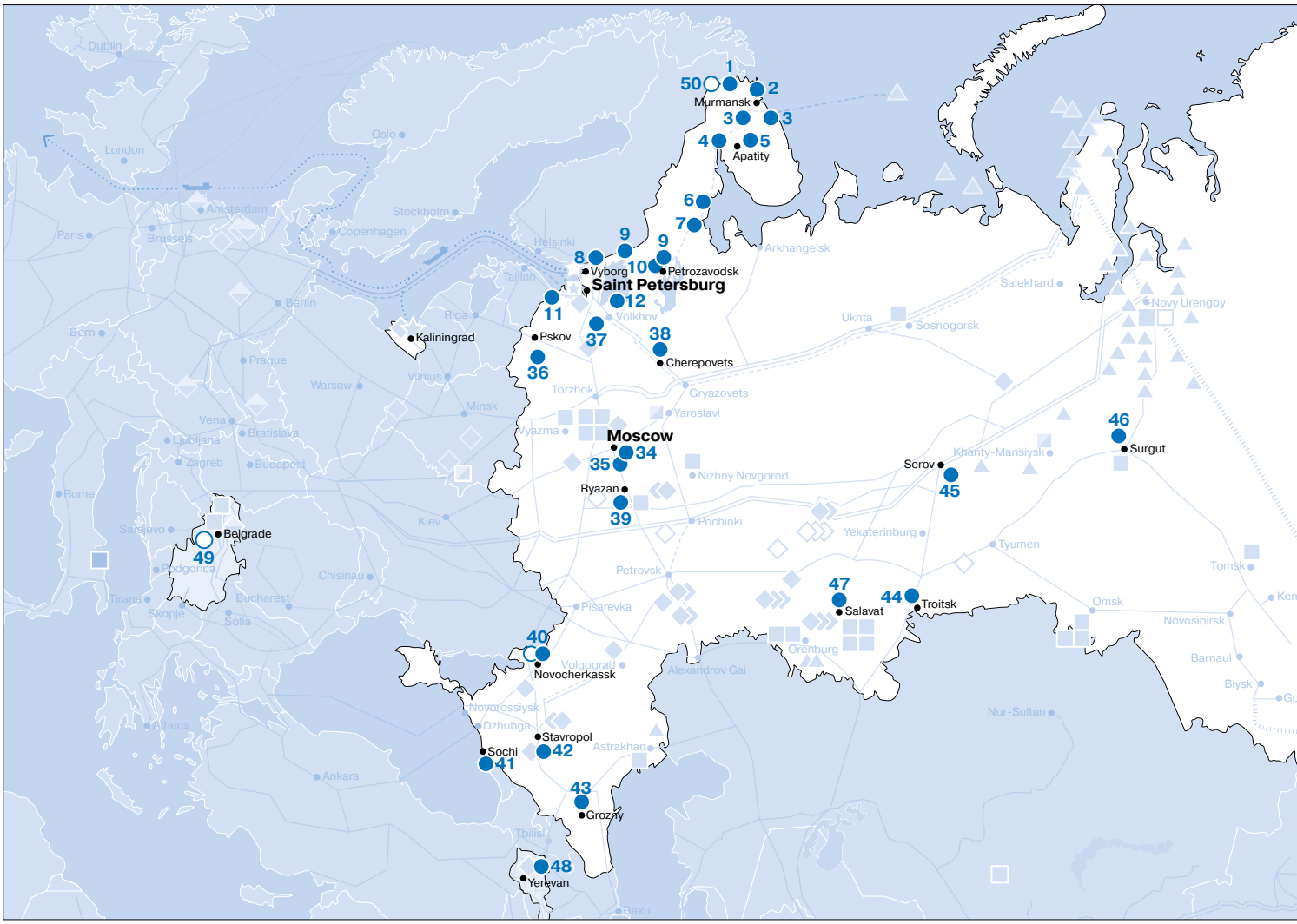
Note. As at 31 December 2020. Timelines for commissioning and ramp-up may be adjusted subject to the energy market environment.

Gazprom Group's LNG receiving, storage and regasification capacities

Name	Purpose	Annual design capacity	Year of commissioning
A receiving, storage and regasification terminal based on the floating regasification unit in the Kaliningrad Region	Ensuring energy security in the Kaliningrad Region	3.7 bcm of gas	2018

Power and Heat Generation

Power and heat assets and projects of Gazprom Group



●	**Existing power and heat facilities**
○	**Power and heat facilities under construction and projected facilities**

Heat supply area of PAO MIPC and its subsidiary OOO TSK Mosenergo

1	Moscow
2	Khimki (Moscow Region)
3	Elektrogorsk (Moscow Region)

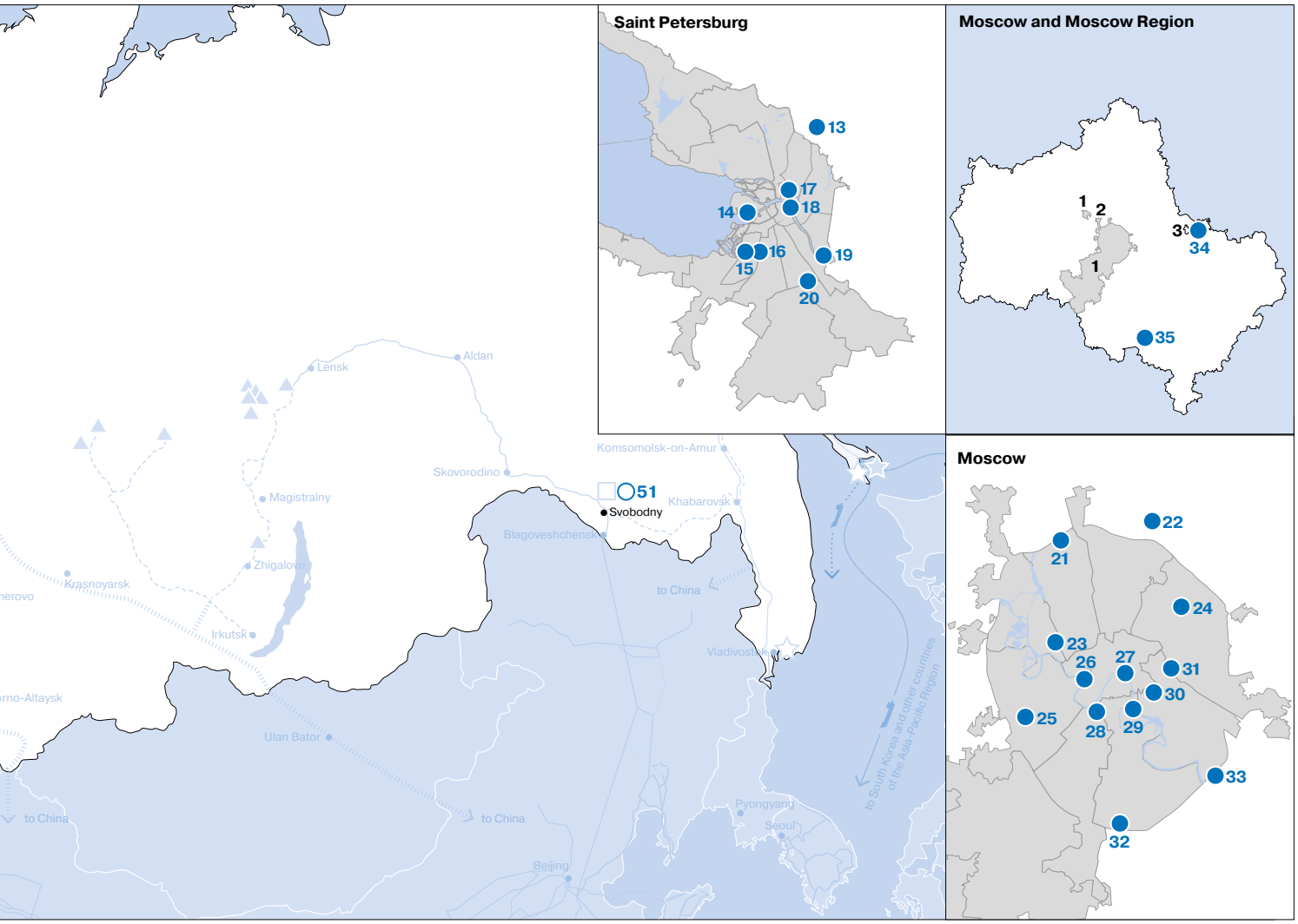
PAO TGC-1 in Murmansk Region, Republic of Karelia and Leningrad Region

1	Pazskiye HEPPs
2	Murmanskaya CHPP
3	Serebryanskiye HEPPs and Tulomskiye HEPPs
4	Nivskiye HEPPs
5	Apatitskaya CHPP
6	Kemskiye HEPPs
7	Vygskiye HEPPs
8	Vuoksinskiye HEPPs
9	Sunskiye HEPPs
10	Petrozavodskaya CHPP
11	Narvskaya HEPP
12	Ladozhskiye HEPPs
13	Severnaya CHPP

PAO TGC-1 in Saint Petersburg

14	Vasileostrovskaya CHPP
15	Pervomayskaya CHPP
16	Avtovskaya CHPP
17	Vyborgskaya CHPP
18	Tsentralnaya CHPP
19	Pravoberezhnaya CHPP
20	Yuzhnaya CHPP

Note. As at 31 December 2020.



PAO Mosenergo

21	CHPP-21
22	CHPP-27
23	CHPP-16
24	CHPP-23
25	CHPP-25
26	CHPP-12
27	GES-1 after P.G. Smidovich
28	CHPP-20
29	CHPP-9
30	CHPP-8
31	CHPP-11 after M.Ya. Ufaev
32	CHPP-26
33	CHPP-22
34	GRES-3 after R.E. Klasson
35	CHPP-17

PAO OGK-2

36	Pskovskaya GRES
37	Kirishskaya GRES
38	Cherepovetskaya GRES
39	Ryazanskaya GRES
40	Novocherkasskaya GRES, designs of new CCGT unit projects at Novocherkasskaya GRES
41	Adlerskaya TPP
42	Stavropolskaya GRES
43	Groznenskaya TPP
44	Troitskaya GRES
45	Serovskaya GRES
46	Surgutskaya GRES-1

47	**Novo-Salavatskaya CHPP**
48	**Unit 5 at the Hrazdan TPP (Armenia)**
49	**CHPP project in Pančevo (Serbia)**
50	**Small HPP on the Paz River in the Murmansk Region (project)**
51	**Svobodnenskaya TPP**

Electric power generating capacity of Gazprom Group, MW

	As at 31 December				
Generating company	**2016**	**2017**	**2018**	**2019**	**2020**
In Russia					
Gazprom energoholding					
PAO Mosenergo	12,963	12,873	12,798	12,825	12,825
PAO MIPC and subsidiaries	–	–	–	–	–
PAO OGK-2	18,955	18,997	18,828	19,012	17,608
PAO TGC-1 and subsidiaries	6,951	6,950	6,950	6,918	6,924
Total	38,869	38,820	38,576	38,755	37,357
Other capacity					
Gazprom neftekhim Salavat	893	893	893	893	893
Other	3	3	3	3	3
Total	896	896	896	896	896
Total in Russia	**39,765**	**39,716**	**39,472**	**39,651**	**38,253**
Abroad					
ZAO Gazprom Armenia	467	467	467	467	467
Other	13	13	12	12	13
Total abroad	**480**	**480**	**479**	**479**	**480**
Total	**40,245**	**40,196**	**39,951**	**40,130**	**38,733**

Heat generating capacity of Gazprom Group, Gcal

	As at 31 December				
Generating company	**2016**	**2017**	**2018**	**2019**	**2020**
In Russia					
Gazprom energoholding					
PAO Mosenergo	42,894	42,761	43,136	43,211	43,777
PAO MIPC and subsidiaries	7,036	7,236	7,091	6,661	5,519
PAO OGK-2	4,169	4,162	3,934	3,959	2,827
PAO TGC-1 and subsidiaries	14,532	13,646	13,745	13,485	13,480
Total	68,631	67,805	67,906	67,316	65,603
Other capacity					
Gazprom neftekhim Salavat	2,352	2,352	2,352	2,429	2,429
Other	759	801	518	489	499
Total	3,111	3,153	2,870	2,918	2,928
Total in Russia	**71,742**	**70,958**	**70,776**	**70,234**	**68,531**
Abroad	**9**	**9**	**9**	**28**	**28**
Total	**71,751**	**70,967**	**70,785**	**70,262**	**68,559**

Electricity generation by Gazprom Group, billion kW·h

	For the year ended 31 December				
Generating company	**2016**	**2017**	**2018**	**2019**	**2020**
In Russia					
Gazprom energoholding					
PAO Mosenergo	59.07	57.87	58.31	60.11	54.43
PAO MIPC	–	–	–	–	–
PAO OGK-2	67.09	63.43	58.92	54.69	44.25
PAO TGC-1 and subsidiaries	27.67	29.51	29.33	28.27	27.91
Total	153.83	150.81	146.56	143.07	126.59
Other capacity					
Gazprom neftekhim Salavat	2.90	4.65	4.94	4.92	4.38
Other	0.00	0.00	0.00	0.01	0.01
Total	2.90	4.65	4.94	4.93	4.39
Total in Russia	**156.73**	**155.46**	**151.50**	**148.00**	**130.98**
Abroad					
ZAO Gazprom Armenia	0.69	0.99	1.62	0.94	1.08
Other	0.09	0.10	0.07	0.08	0.07
Total abroad	**0.78**	**1.09**	**1.69**	**1.02**	**1.15**
Total	**157.51**	**156.55**	**153.19**	**149.02**	**132.13**

Heat generation by Gazprom Group, mm Gcal

	For the year ended 31 December				
Generating company	**2016**	**2017**	**2018**	**2019**	**2020**
In Russia					
Gazprom energoholding					
PAO Mosenergo	81.83	79.45	82.29	75.37	74.25
PAO MIPC and subsidiaries	10.19	9.85	10.17	9.07	8.00
PAO OGK-2	6.90	6.76	7.01	6.65	5.84
PAO TGC-1 and subsidiaries	24.44	24.71	24.89	24.17	23.05
Total	123.36	120.77	124.36	115.26	111.14
Other capacity					
Gazprom neftekhim Salavat	5.44	5.78	6.07	6.31	6.44
Other	0.69	0.79	0.82	0.81	0.89
Total	6.13	6.57	6.89	7.12	7.33
Total in Russia	**129.49**	**127.34**	**131.25**	**122.38**	**118.47**
Abroad	**0.00**	**–**	**–**	**–**	**–**
Total	**129.49**	**127.34**	**131.25**	**122.38**	**118.47**

Investment Projects in Power and Heat

Major projects to create new capacity

Object	Company	Purpose	Project characteristics		
			Blocks quantity and type	Installed electric capacity	Year of commissioning
Svobodnenskaya TPP	OOO Svobodnenskaya TPP	Power supply for the Amur GPP	2 stream turbine units	160.0 MW	2021[7]
A CHPP plant in Pančevo, Serbia	Gazprom Energoholding Serbia TE-TO Pančevo o.o.o.	Heat supply to Pančevo Refinery, as well as electricity sales on the open electricity market	Combined cycle gas turbine (2 gas turbine units and a steam turbine unit)	200.0 MW	2021
A small HPP on the Paz River in the Murmansk Region*	PAO TGC-1	Increase in power generation	Hydropower unit	16.5 MW	2024
A multi-unit CCGT plant at Novocherkasskaya GRES**	PAO OGK-2	Replacement of coal-fired units with new CCGT units to improve energy efficiency and reduce the negative environmental impact	Combined cycle gas turbine (2 gas turbine units and a steam turbine unit)	324.0 MW	2027
A single-unit CCGT plant at Novocherkasskaya GRES**	PAO OGK-2		Combined cycle gas turbine (gas turbine unit and a steam turbine unit)	165.0 MW	2027

* A project selected through the competitive capacity selection process for renewable generation projects under capacity supply agreements on the wholesale market.
** Projects selected through the competitive capacity selection process for generating facility upgrades to install gas turbines, which are considered innovative energy equipment (innovative CCGT projects).

Note. Timelines for commissioning may be adjusted subject to the energy market environment.

[7] Event after the reporting date: in April 2021, the Svobodnenskaya TPP was commissioned.

Major upgrade and modernization projects

Company	Power station	Object	Year to start capacity supply/ of comissioning	Capacity after the implementation of the project, MW
PAO TGC-1	Verkhne-Tulomskaya HPP-12	Hydropower units Nos. 1–4	2020–2023	300.0
	Avtovskaya CHPP	Turbine unit TG-7*	2022	116.4
		Turbine unit TG-6*	2024	120.0
	Tsentralnaya CHPP	Water boiler room at Power Plant No. 2	2023	849.0**
	Severnaya CHPP	Boiler equipment of Unit No. 4 (TG-4)*	2025	100.0
		Equipment of Unit No. 2 (TG-2)*	2027	100.0
	Vasileostrovskaya CHPP	Turbine unit TG-4*	2027	25.0
PAO OGK-2	Kirishskaya GRES	Steam turbine TG-2 PT-60*	2022	65.0
		Steam turbine TG-1*	2024	60.0
		Equipment of the CHPP block with the replacement of a TG-4 PT-60 steam turbine*	2025	65.0
	Surgutskaya GRES-1	Unit No. 13*	2025	190.0
		Unit No. 16*	2025	215.0
		Unit No. 2*	2027	215.0
		Unit No. 12*	2027	190.0
PAO Mosenergo	CHPP-22	Equipment of Unit No. 9	2021	295.0
		Equipment of Unit No. 10 (TG-10)*	2024	250.0
	CHPP-23	Turbine unit TG-4*	2024	110.0
		Equipment of Unit No. 7 (TG-7)*	2027	259.0
		Turbine unit TG-3*	2027	110.0
	CHPP-21	Turbine unit PT-80, Unit No. 7 (TG-7)*	2025	80.0
		Turbine unit TG-6*	2027	110.0
	CHPP-25	Equipment of Unit No. 4 (TG-4)*	2025	257.0
		Equipment of Unit No. 3 (TG-3)*	2027	259.0
OOO Novo-Salavatskaya CHPP	Novo-Salavatskaya CHPP	Turbine unit TG-5*	2022	105.0
		Turbine unit TG-1*	2023	50.0
		Turbine unit TG-7*	2024	135.0

* Projects selected through the competitive capacity selection process for generating facility upgrades at thermal power plants to supply capacity under capacity sale and purchase (supply) agreements for upgraded generating facilities.
** The figure is the facility's heat capacity of 730.0 Gcal/h converted to MW.

Note. Timelines for commissioning may be adjusted subject to the energy market environment.

Gas Sales

Natural gas sales volumes
(net of VAT, excise tax, and customs duties)

	For the year ended 31 December				
	2016	**2017**	**2018**	**2019**	**2020**
RUB mm					
Russia	819,924	875,685	954,493	970,913	940,155
Far abroad	2,140,027	2,221,217	2,951,215	2,490,372	1,811,636
FSU countries	309,644	292,777	348,625	356,102	295,254
Retroactive gas price adjustments	33,175	–49,092	49,338	–16,657	2,294
Total	**3,302,770**	**3,340,587**	**4,303,671**	**3,800,730**	**3,049,339**
USD mm*					
Russia	12,269	15,018	15,175	15,020	12,980
Far abroad	32,022	38,093	46,919	38,527	25,012
FSU countries	4,633	5,021	5,543	5,509	4,076
Retroactive gas price adjustments	496	–842	784	–258	32
Total	**49,420**	**57,290**	**68,421**	**58,798**	**42,100**
EUR mm*					
Russia	11,082	13,264	12,879	13,420	11,342
Far abroad	28,923	33,645	39,822	34,421	21,855
FSU countries	4,185	4,435	4,704	4,922	3,562
Retroactive gas price adjustments	448	–744	666	–230	28
Total	**44,638**	**50,600**	**58,071**	**52,533**	**36,787**

* Data is not part of IFRS consolidated financial statements; calculation based on the average currency exchange rate for the respective period.

Average natural gas price
(net of VAT, including excise tax and customs duties)

	For the year ended 31 December				
	2016	2017	2018	2019	2020
Russia					
RUB per mcm	3,815.5	3,808.3	3,981.3	4,118.2	4,176.9
USD* per mcm	57.1	65.3	63.3	63.7	57.7
EUR* per mcm	51.6	57.7	53.7	56.9	50.4
Far abroad					
RUB per mcm	11,763.3	11,670.5	15,499.5	13,613.0	10,355.9
USD per mcm	176.0	200.2	246.4	210.6	143.0
EUR* per mcm	159.0	176.8	209.1	188.2	124.9
FSU countries					
RUB per mcm	10,263.1	9,237.0	10,225.9	10,175.9	9,899.8
USD per mcm	153.6	158.4	162.6	157.4	136.7
EUR* per mcm	138.7	139.9	138.0	140.6	119.4

* Data is not part of IFRS consolidated financial statements; calculation based on the average currency exchange rate for the respective.

Gazprom Group's natural gas sales volumes, bcm

	For the year ended 31 December				
	2016	2017	2018	2019	2020
Russia	214.9	229.9	239.7	235.8	225.1
Far abroad	228.3	242.0	243.3	232.4	219.0
FSU countries	33.2	35.0	38.1	38.7	31.2
Total	**476.4**	**506.9**	**521.1**	**506.9**	**475.3**

Gazprom Group's natural gas sales volumes to foreign countries, bcm

	For the year ended 31 December				
	2016	2017	2018	2019	2020
Far abroad					
European far abroad countries					
Austria	7.5	9.8	9.0	9.1	10.6
Belgium	2.5	2.7	2.8	1.3	1.3
Bulgaria	3.2	3.3	3.2	2.4	2.3
Bosnia and Herzegovina	0.2	0.2	0.2	0.2	0.2
United Kingdom	25.7	29.1	34.2	59.0	8.9
Hungary	5.7	7.0	7.3	10.5	8.6
Germany	57.9	67.1	65.7	44.9	41.6
Greece	2.7	2.9	3.3	2.5	3.1
Denmark	1.7	1.8	1.7	1.7	1.8
Ireland	0.1	0.1	0.3	0.1	–
Spain	–	0.2	0.1	0.5	0.8
Italy	24.7	23.7	22.6	22.0	20.9
the Netherlands	27.5	17.4	21.4	16.3	48.1
Poland	11.1	10.5	9.9	9.7	9.7
Romania	1.7	1.4	1.5	1.1	1.0
North Macedonia	0.2	0.3	0.2	0.2	0.3
Serbia	1.9	2.2	2.2	2.2	1.4
Slovakia	3.7	4.5	5.0	6.5	7.6
Slovenia	0.5	0.6	0.5	0.3	0.4
Turkey	24.8	29.0	24.0	15.4	16.4
Finland	2.5	2.4	2.6	2.5	1.6
France	12.5	13.3	13.3	13.0	14.0
Croatia	0.8	2.8	2.8	2.8	1.8
Czech Republic	3.1	3.8	2.6	2.2	4.0
Switzerland	0.3	0.4	0.6	0.3	0.4
China	0.1	0.8	0.8	1.5	5.0
including via Power of Siberia trunk gas pipeline	x	x	x	0.3	4.1
Other far abroad countries	5.7	4.7	5.5	4.2	7.2
Total	**228.3**	**242.0**	**243.3**	**232.4**	**219.0**
FSU countries					
Azerbaijan	–	0.4	1.0	–	–
Armenia	1.8	1.8	1.8	2.0	2.1
Belarus	18.3	18.8	20.0	19.9	18.4
Georgia	0.1	0.1	0.0	0.2	0.2
Kazakhstan	4.7	4.8	6.2	7.7	3.4
Kyrgyzstan	0.3	0.3	0.3	0.3	0.3
Latvia	1.3	1.8	1.3	1.7	1.6
Lithuania	0.9	1.4	1.4	0.9	0.9
Moldova	3.0	2.7	3.0	2.9	3.1
Uzbekistan	–	–	–	–	0.9
Ukraine	2.4	2.4	2.7	2.8	–
Estonia	0.4	0.5	0.4	0.3	0.3
South Ossetia	0.0	0.0	0.0	0.0	0.0
Total	**33.2**	**35.0**	**38.1**	**38.7**	**31.2**

Gazprom Group's LNG sales volumes to foreign countries

	For the year ended 31 December				
	2016	2017	2018	2019	2020
trillion BTU					
Argentina	19.7	–	–	–	–
Belgium	–	–	–	–	3.8
Great Britain	–	–	–	21.4	32.8
Greece	–	–	–	–	3.2
Egypt	3.4	–	–	–	–
India	22.7	9.9	36.1	39.9	94.7
Spain	–	6.5	2.9	10.9	25.5
China	3.4	29.4	29.2	41.4	26.5
Kuwait	3.3	16.9	20.1	–	3.1
the Netherlands	–	–	–	–	50.7
Mexico	6.5	–	–	–	–
UAE	6.5	3.1	–	–	–
Republic of Korea	3.3	13.2	26.4	20.2	30.2
Singapore	–	–	–	–	3.3
Thailand	–	3.3	–	–	3.1
Taiwan (China)	26.0	19.8	19.3	3.3	14.0
France	–	–	–	–	24.8
Japan	78.5	56.9	29.7	19.6	16.7
FOB deliveries	3.0	–	21.4	23.5	50.8
Total*	**176.5**	**159.2**	**185.0**	**180.1**	**383.3**
including LNG sales from Sakhalin-2 project	59.4	72.9	70.1	60.1	69.9
Total, mm tonnes	**3.71**	**3.34**	**3.88**	**3.78**	**7.44**
Total, bcm	**4.94**	**4.46**	**5.18**	**5.04**	**10.92**

* Due to rounding, some totals may not correspond with the sum of the separate figures.

Note. Calculated in accordance with the principles underlying management reporting. Parameters calculated using these methods might be not comparable between each other due to differences in the methodologies used for preparing consolidated financial statements and for management reporting.

Gazprom Group subsidiaries' gas sales volumes to end-consumers in far abroad countries, mmcm

	For the year ended 31 December				
	2016	2017	2018	2019	2020
Austria	872.2	869.7	733.3	771.8	745.1
Belgium	1,530.7	1,881.3	1,736.4	1,168.5	1,013.3
United Kingdom	3,825.6	4,610.7	4,917.2	4,935.3	4,605.7
Hungary	197.4	296.2	330.1	349.3	7.0
Germany	13,163.4	14,892.5	14,012.4	9,992.6	10,440.0
Ireland	59.8	96.2	316.4	109.2	–
North Macedonia	139.5	–	–	–	–
the Netherlands	3,220.8	2,075.0	2,991.5	2,578.3	2,227.9
Romania	169.7	221.5	70.8	41.8	4.8
Slovakia	6.5	173.8	242.0	246.8	72.6
France	947.9	1,014.3	1,083.0	1,621.9	1,259.1
Czech Republic	809.1	1,755.3	1,961.5	1,123.3	976.8
Total	**24,942.6**	**27,886.5**	**28,394.6**	**22,938.8**	**21,352.3**

Note. Including gas sales volumes by Gazprom Germania GmbH and its subsidiaries to industrial enterprises, utility companies and power plants.

Gazprom's share in domestic gas demand in Russia, bcm

	For the year ended 31 December				
	2016	2017	2018	2019	2020
Internal gas consumption in Russia	456.7	468.0	493.2	481.0	460.5
Domestic gas supply through Gazprom's gas transportation system*	348.8	351.3	361.7	353.9	338.8
including Gazprom Group supply through GTS (including purchases from companies not included in Gazprom Group)	226.9	231.3	244.1	240.0	225.9
Domestic gas supply through Gazprom's gas transportation system, from Gazprom Group production*	210.2	216.3	224.9	221.2	208.4

* Excluding GTS process needs.

Regulated weighted average wholesale prices for natural gas in Russia, RUB per mcm

	For the year ended 31 December				
	2016	2017	2018	2019	2020
All categories of consumers	3,938.2	3,988.5	4,117.2	4,224.8	4,286.2
Industrial consumers	4,158.1	4,202.3	4,316.4	4,423.7	4,499.2
Households	3,422.8	3,512.9	3,640.0	3,734.4	3,813.1

Note. Exclusive of gas volumes supplied pursuant to Resolution of the Government of the Russian Federation No. 333 dated 28 May 2007 On Improvement of State Gas Price Regulation.

Gas distribution and gasification in Russia

	As at and for the year ended 31 December				
	2016	2017	2018	2019	2020
Length of external gas pipelines, operated by Gazprom Group's subsidiaries and associated gas distribution companies (GDCs), thousand km	760.1	773.4	786.7	802.8	817.1
Natural gas transportation through gas distribution systems, operated by Gazprom Group's subsidiaries and associated GDCs, bcm	208.0	239.0	239.7	232.6	223.2
Consumers (natural gas) of Gazprom Group's subsidiaries and associated GDCs', including:					
Apartments and private households, mm units	27.0	28.5	27.7	28.0	28.3
Industrial sites, thousand units	32.9	31.6	32.4	32.8	33.0
Agricultural facilities, thousand units	7.2	7.6	8.1	9.1	9.8
Utilities, thousand units	312.3	326.1	332.6	344.0	353.6
Length of completed inter-settlement gas pipelines as part of gas supply and infrastructure expansion programmes in Russian regions, thousand km	1.4	1.8	2.0	1.9	2.2
Level of natural gas gasification*, including:	67.2%	68.1%	68.6%	70.1%	71.4%
towns and urban-type settlements	70.9%	71.4%	71.9%	73.0%	73.7%
country side	57.1%	58.7%	59.4%	61.8%	64.8%

* 2016–2019 data are based on the country's housing stock data as at 2005. Starting from 2020, the natural gas penetration rate is calculated in line with the Rules for Calculating Gas Penetration Rate approved by Order of the Russian Ministry of Energy No. 308 dated 2 April 2019.

Gazprom Group's gas distribution operations abroad

	As at and for the year ended 31 December				
	2016	2017	2018	2019	2020
Armenia					
Length of gas distribution pipelines maintained, km	14,701	15,063	18,245	18,808	18,815
Gas transported through gas distribution networks, mmcm	1,888.1	1,985.2	2,187.0	2,233.1	2,297.2
Gas consumers					
Apartments and private households, thousand units	678	689	702	714	725
Industrial facilities, units	1,873	1,933	1,991	2,070	2,146
Agricultural facilities, units	508	566	654	800	903
Utility facilities, units	12,254	13,044	13,522	14,320	15,900
Kyrgyzstan					
Length of gas distribution pipelines maintained, km	2,896	3,093	3,632	3,717	3,882
Gas transported through gas distribution networks, mmcm	262.7	282.5	312.4	314.4	324.8
Gas consumers					
Apartments and private households, thousand units	296	303	317	343	355
Industrial facilities, units	200	203	203	203	192
Utility facilities, units	2,890	2,992	3,189	3,400	3,383
Romania*					
Length of gas distribution pipelines maintained, km	284	296	313	x	x
Gas transported through gas distribution networks, mmcm	63.0	71.5	73.0	x	x
Gas consumers					
Apartments and private households, thousand units	37	41	44	x	x
Industrial facilities, units	1,457	1,590	1,685	x	x

* In 2019, the Group exited from a subsidiary focused on gas distribution in Romania.

Sales of Crude Oil, Gas Condensate and Refined Products

Oil and gas condensate sales revenue
(net of VAT and custom duties)

	For the year ended 31 December				
	2016	2017	2018	2019	2020
RUB mm					
Russia	81,302	71,434	64,645	62,173	47,647
Far abroad	307,128	438,754	631,560	648,752	420,989
FSU countries	23,528	29,770	38,748	41,865	18,713
Total	**411,958**	**539,958**	**734,953**	**752,790**	**487,349**
USD mm*					
Russia	1,217	1,225	1,028	962	658
Far abroad	4,596	7,525	10,041	10,036	5,812
FSU countries	352	511	616	648	258
Total	**6,165**	**9,261**	**11,685**	**11,646**	**6,728**
EUR mm*					
Russia	1,099	1,082	872	859	575
Far abroad	4,151	6,646	8,522	8,967	5,079
FSU countries	318	451	523	579	226
Total	**5,568**	**8,179**	**9,917**	**10,405**	**5,880**

* Data is not part of IFRS consolidated financial statements; calculation based on the average currency exchange rate for the respective period.

Gazprom Group's oil and gas condensate sales volumes, mm tonnes

	For the year ended 31 December				
	2016	2017	2018	2019	2020
Russia	5.92	4.26	2.66	2.62	2.89
Far abroad	17.06	21.61	21.15	22.78	20.11
FSU countries	1.69	1.71	1.74	1.71	1.12
Total	**24.67**	**27.59**	**25.55**	**27.11**	**24.12**

Note. Excluding intra-group sales.

Refined products sales revenue
(net of VAT, excise tax, and customs duties)

	For the year ended 31 December				
	2016	2017	2018	2019	2020
RUB mm					
Russia	980,352	1,115,125	1,394,137	1,355,139	1,221,857
Far abroad	428,327	454,330	640,977	629,731	469,373
FSU countries	88,883	117,635	144,658	126,311	107,166
Total	**1,497,562**	**1,687,090**	**2,179,772**	**2,111,181**	**1,798,396**
USD mm*					
Russia	14,669	19,124	22,164	20,964	16,869
Far abroad	6,409	7,792	10,190	9,742	6,480
FSU countries	1,330	2,017	2,300	1,954	1,480
Total	**22,408**	**28,933**	**34,654**	**32,660**	**24,829**
EUR mm*					
Russia	13,250	16,891	18,812	18,730	14,740
Far abroad	5,789	6,882	8,649	8,704	5,662
FSU countries	1,201	1,782	1,952	1,746	1,293
Total	**20,240**	**25,555**	**29,413**	**29,180**	**21,695**

* Data is not part of IFRS consolidated financial statements; calculation based on the average currency exchange rate for the respective period.

Gazprom Group's refined products sales volumes, mm tonnes

	For the year ended 31 December				
	2016	2017	2018	2019	2020
Russia	41.11	40.83	43.18	43.12	40.04
Far abroad	22.60	20.85	21.31	23.51	23.19
FSU countries	4.24	4.28	4.37	3.55	3.40
Total	**67.95**	**65.96**	**68.86**	**70.18**	**66.63**

Note. Excluding intra-group sales.

Gazprom Group's sales volumes of refined products and petrochemical products, mm tonnes

	For the year ended 31 December				
	2016	2017	2018	2019	2020
Motor gasoline	14.92	13.39	13.64	13.53	13.26
Diesel fuel	15.85	15.89	17.20	17.36	17.84
Jet fuel	3.51	3.60	3.94	3.98	3.09
Heating oil	7.62	5.78	6.46	7.00	5.49
Oils	0.44	0.41	0.48	0.48	0.44
Liquefied hydrocarbon gases	4.49	3.70	4.10	4.25	3.62
Sulphur	5.46	5.31	5.24	6.46	6.06
Mineral fertilizers	0.95	0.89	0.86	0.81	0.79
Polymers	0.14	0.11	0.11	0.10	0.16
Other refined and petrochemical products	14.57	16.88	16.83	16.21	15.88
Total	**67.95**	**65.96**	**68.86**	**70.18**	**66.63**

Note. Excluding helium sales volumes and intra-group sales.

Gazprom Group's helium sales volumes

	For the year ended 31 December				
	2016	2017	2018	2019	2020
Helium gaseous, mmcm	3.18	3.32	3.42	3.63	3.61
Helium liquefied, tonnes	299.32	289.56	260.08	214.56	142.11

Note. Excluding intra-group saless.

Sales of Electricity, Heat and Gas Transportation Services

Electricity and heat sales revenue
(net of VAT)

	For the year ended 31 December				
	2016	2017	2018	2019	2020
RUB mm					
Russia	461,908	487,283	501,362	495,581	467,689
Far abroad	17,350	13,599	15,643	19,447	27,581
FSU countries	2,458	2,937	5,090	3,345	4,199
Total	**481,716**	**503,819**	**522,095**	**518,373**	**499,469**
USD mm*					
Russia	6,912	8,357	7,971	7,667	6,457
Far abroad	260	233	249	301	381
FSU countries	37	50	81	52	58
Total	**7,209**	**8,640**	**8,301**	**8,020**	**6,896**
EUR mm*					
Russia	6,243	7,381	6,765	6,850	5,642
Far abroad	234	206	211	269	333
FSU countries	33	44	69	46	51
Total	**6,510**	**7,631**	**7,045**	**7,165**	**6,026**

* Data is not part of IFRS consolidated financial statements; calculation based on the average currency exchange rate for the respective period.

Gas transportation services sales revenue
(net of VAT)

	For the year ended 31 December				
	2016	2017	2018	2019	2020
RUB mm	198,971	235,061	225,673	215,335	223,824
USD mm*	2,977	4,031	3,588	3,331	3,090
EUR mm*	2,689	3,560	3,045	2,976	2,700

* Data is not part of IFRS consolidated financial statements; calculation based on the average currency exchange rate for the respective period.

Sales volumes of gas transportation services to companies other than Gazprom Group's companies, bcm

	For the year ended 31 December				
	2016	2017	2018	2019	2020
Total	129.0	137.9	136.4	132.1	129.0
including Russian gas	121.3	130.4	128.3	124.3	121.3

Environmental Protection and Energy Saving

Gazprom Group's* environmental performance in Russia

	For the year ended 31 December				
	2016	2017	2018	2019	2020
Air pollutant emissions, thousand tonnes	2,868.5	2,795.9	2,894.0	2,862.7	2,445.7
including: carbon oxide	550.5	529.9	594.1	596.4	550.7
nitrogen oxides	288.5	313.6	328.6	307.7	284.2
sulphur dioxide	346.1	262.7	276.2	221.5	172.0
hydrocarbons**	1,462.3	1,495.7	1,497.8	1,542.6	1,266.4
GHG emissions (Scope 1), mm tonnes of CO_2 equivalent	228.2	233.8	240.0	236.5	210.3
Wastewater discharge into surface water bodies, mmcm	3,855.5	3,905.3	3,658.4	3,241.8	2,610.8
including: clean and treated as per standards	3,691.2	3,781.7	3,579.5	3,152.7	2,533.7
Waste generation, thousand tonnes	4,289.8	4,130.3	3,555.1	3,337.1	3,229.8
Area of land disturbed in the reporting year, thousand ha	27.0	42.2	25.8	22.9	23.8
Area of land rehabilitated during the year, thousand ha	42.5	19.6	15.8	17.7	15.8

* Including data for the associated Sakhalin Energy Investment Company Ltd and a joint venture of OOO Gazprom gazomotornoe toplivo.
** Carbon emissions (carbon dioxide) and methane, both of which are believed to cause the greenhouse effect (the greenhouse gases).

Gazprom Group's greenhouse gas emissions in Russia (Scope 1*), mm tonnes of CO_2 equivalent

	For the year ended 31 December				
	2016	2017	2018	2019	2020
Gazprom Group gas business companies					
PJSC Gazprom and its subsidiaries**	101.2	113.2	120.1	117.1	101.0
Sakhalin Energy Investment Company Ltd***	3.4	3.2	3.2	3.1	3.4
Other Gazprom Group gas business companies	3.1	2.2	2.1	5.2	1.9
Total for Gazprom Group's gas business	**107.7**	**118.6**	**125.4**	**125.4**	**106.3**
Gazprom energoholding	99.7	96.2	94.1	89.0	81.3
Gazprom Neft	16.2	13.3	14.3	16.0	16.7
Gazprom neftekhim Salavat	4.6	5.7	6.2	6.0	6.0
Total	**228.2**	**233.8**	**240.0**	**236.5**	**210.3**

* Direct greenhouse gas emissions (Scope 1) resulting from the activities of the reporting organisation.
** PJSC Gazprom wholly-owned subsidiaries engaged in gas exploration, production, transportation, underground storage, hydrocarbon processing in Russia, operation of Russia's UGSS. For the list of them, see the Glossary of Key Terms and Abbreviations section. Including data for the joint venture of OOO Gazprom gazomotornoe toplivo.
*** An associate.

Gazprom Group's specific greenhouse gas emissions in Russia (Scope 1), kg of CO_2 equivalent per toe of products sold

	For the year ended 31 December				
	2016	2017	2018	2019	2020
Gazprom Group gas business companies*	237	252	259	259	239
Gazprom energoholding	3,965	3,982	3,757	3,736	3,490
Gazprom Neft	161	164	203	218	218

* For the list of companies, see the Glossary of Key Terms and Abbreviations section.

Gazprom Group's specific greenhouse gas emissions in Russia (Scope 1), kg of CO_2 equivalent per boe of products sold

	For the year ended 31 December				
	2016	2017	2018	2019	2020
Gazprom Group gas business companies*	35	37	38	38	35
Gazprom energoholding	579	582	549	546	510
Gazprom Neft	24	24	30	32	32

* For the list of companies, see the Glossary of Key Terms and Abbreviations section.

Gazprom Group's greenhouse gas emissions (Scope 1) in Russia by type of greenhouse gas, mm tonnes of CO_2 equivalent

	For the year ended 31 December				
	2016	2017	2018	2019	2020
Gazprom Group	186.8	200.3	207.1	203.3	184.0
CO_2 (carbon dioxide)	41.4	33.5	32.9	33.2	26.3
CH_4 (methane)*	**228.2**	**233.8**	**240.0**	**236.5**	**210.3**
Total					
Including Gazprom Group gas business companies**					
CO_2 (carbon dioxide)	70.1	85.1	92.5	92.1	80.4
CH_4 (methane)*	37.6	33.5	32.9	33.2	25.9
Total	**107.7**	**118.6**	**125.4**	**125.3**	**106.3**

* To estimate fossil methane (CH_4) emissions in CO_2 equivalent, a conversion factor is applied 25.
** For the list of companies, see the Glossary of Key Terms and Abbreviations section.

Gazprom Group's greenhouse gas emissions in Russia (Scope 2*), mm tonnes of CO_2 equivalent

	For the year ended 31 December				
	2016	2017	2018	2019	2020
PJSC Gazprom and its subsidiaries**	7.4	8.0	8.2	6.1	4.8
Gazprom energoholding	–	–	–	–	–
Gazprom Neft	8.4	6.6	4.5	5.2	4.4
Gazprom neftekhim Salavat	x	x	2.6	2.5	2.6

* Indirect greenhouse gas emissions (Scope 2) resulting from the consumption of electricity and heat purchased by the reporting organisation from third-party generators.
** PJSC Gazprom wholly-owned subsidiaries engaged in gas exploration, production, transportation, underground storage, hydrocarbon processing in Russia, operation of Russia's UGSS. For the list of them, see the Glossary of Key Terms and Abbreviations section, including data for the joint venture of OOO Gazprom gazomotornoe toplivo.

Gazprom Group's greenhouse gas emissions (Scope 3*) by type of products sold, mm tonnes of CO_2 equivalent

	For the year ended 31 December				
	2016	2017	2018	2019	2020
Natural gas	874.1	930.1	956.2	930.1	872.1
Oil and gas condensate	75.9	84.9	78.6	83.8	74.2
Other energy products	141.2	129.1	138.2	140.6	132.2
Total	**1,091.2**	**1,144.1**	**1,173.0**	**1,154.5**	**1,078.5**

* Indirect greenhouse gas emissions (Scope 3) resulting from the use of products supplied by the reporting organisation as fuel or raw materials.

Specific greenhouse gas emissions (Scope 3) by type of Gazprom Group's products sold

	For the year ended 31 December				
	2016	2017	2018	2019	2020
kg of CO_2 equivalent per boe of products sold	302.0	300.9	300.6	301.6	301.4

Gazprom Group's* environmental protection costs in Russia, RUB mm

	For the year ended 31 December				
	2016	2017	2018	2019	2020
Current environmental protection costs	17,189.7	18,219.8	22,638.0	14,964.6	13,979.4
Environmental protection services fees	14,725.6	14,495.6	14,584.1	15,601.9	18,980.3
Costs of overhauling major production assets for environmental protection	2,187.9	1,752.6	1,932.2	1,613.7	1,481.0
Negative environmental impact charges	824.8	768.0	615.8	617.7	693.1
Capital expenditures for environmental protection and sustainable use of natural resources	22,541.9	35,584.5	29,188.6	20,421.3	13,987.2
Total	**57,469.9**	**70,820.5**	**68,958.7**	**53,219.2**	**49,121.0**

* Including costs of the associated Sakhalin Energy Investment Company Ltd and a joint venture of OOO Gazprom gazomotornoe toplivo.

Energy saving by PJSC Gazprom and its subsidiaries covered by PJSC Gazprom's energy saving programmes*

	For the year ended 31 December				
	2016	2017	2018	2019	2020
Natural gas					
mmcm	2 285,0	3 013,5	2 951,9	3 286,9	3 273,8
thousand t c.e.**	2 641,1	3 480,6	3 409,5	3 796,4	3 781,2
Electricity					
million kWh	256,0	331,4	364,3	330,5	305,9
thousand t c.e.**	84,5	107,7	118,4	107,4	99,4
Heat					
thousand Gcal	254,2	268,4	235,9	252,7	251,9
thousand t c.e.**	36,4	38,4	33,7	36,1	36,0
Total, thousand t c.e.	**2 762,0**	**3 626,7**	**3 561,6**	**3 939,9**	**3 916,6**

* For the list of companies, see the Glossary of Key Terms and Abbreviations section.

** Fuel and energy saving rates have been converted to t c.e. using the following ratios: 1 mcm of gas = 1.155 t c.e.; 1 thousand kWh = 0.325 t c.e.; 1 thousand Gcal = 0.143 t c.e.

Occupational Safety

Occupational safety at Gazprom Group entities covered by the UOHSMS*

	For the year ended 31 December				
	2016	2017	2018	2019	2020
Industrial safety incidents at hazardous production facilities	31	26	16	10	14
Fires at facilities	4	4	3	2	6
Number of injuries resulting from accidents	77	61	89	47	39
Number of fatalities resulting from accidents	4	6	3	7	5
Lost time injury frequency rate (LTIFR)*	0.16	0.11	0.17	0.09	0.08
Fatal accident rate (FAR)*	0.79	1.17	0.57	1.35	0.97

* For the definitions, see Glossary.

Occupational safety at Gazprom Group entities outside the UOHSMS

	For the year ended 31 December				
	2016	2017	2018	2019	2020
Gazprom neftekhim Salavat					
Industrial safety incidents at hazardous production facilities	3	1	9	2	1
Number of injuries resulting from accidents	1	2	–	2	–
Lost time injury frequency rate (LTIFR)	0.07	0.14	–	0.13	–
Fatal accident rate (FAR)	–	6.97	–	–	–
Gazprom Neft					
Industrial safety incidents at hazardous production facilities	2,387	2,183	1,069	920	600
Number of injuries resulting from accidents*	69	74	85	68	75
Lost time injury frequency rate (LTIFR)*	0.56	0.60	0.64	0.50	0.54
Fatal accident rate (FAR)*	3.09	3.08	0.74	1.46	–
Gazprom energoholding					
Industrial safety incidents at hazardous production facilities	177	129	99	71	56
Number of injuries resulting from accidents	19	16	18	8	5
Lost time injury frequency rate (LTIFR)	0.30	0.25	0.28	0.12	0.08
Fatal accident rate (FAR)	1.56	1.57	–	–	–

* 2016–2019 data are adjusted to include data for Gazprom Neft's international assets in Serbia, Iraq, Italy, Eastern Europe and Central Asia.

Patent Management, R&D

Number of patents held by PJSC Gazprom and its subsidiaries and their use in operations

	As at and for the year ended 31 December				
	2016	2017	2018	2019	2020
Total number of patents held by PJSC Gazprom and its subsidiaries, units	2,269	2,365	2,555	2,674	2,786
Including those used in operations	406	427	441	459	516
Economic effect from the use of patented items in operations, RUB bn	7.1	8.0	10.3	14.5	5.2

Total spending on R&D projects commissioned by Gazprom Group, RUB bn

	For the year ended 31 December				
	2016	2017	2018	2019	2020
Total spending on R&D projects commissioned by Gazprom Group (net of VAT)	6.3	8.2	9.0	12.1	21.4

Gazprom Group's personnel structure

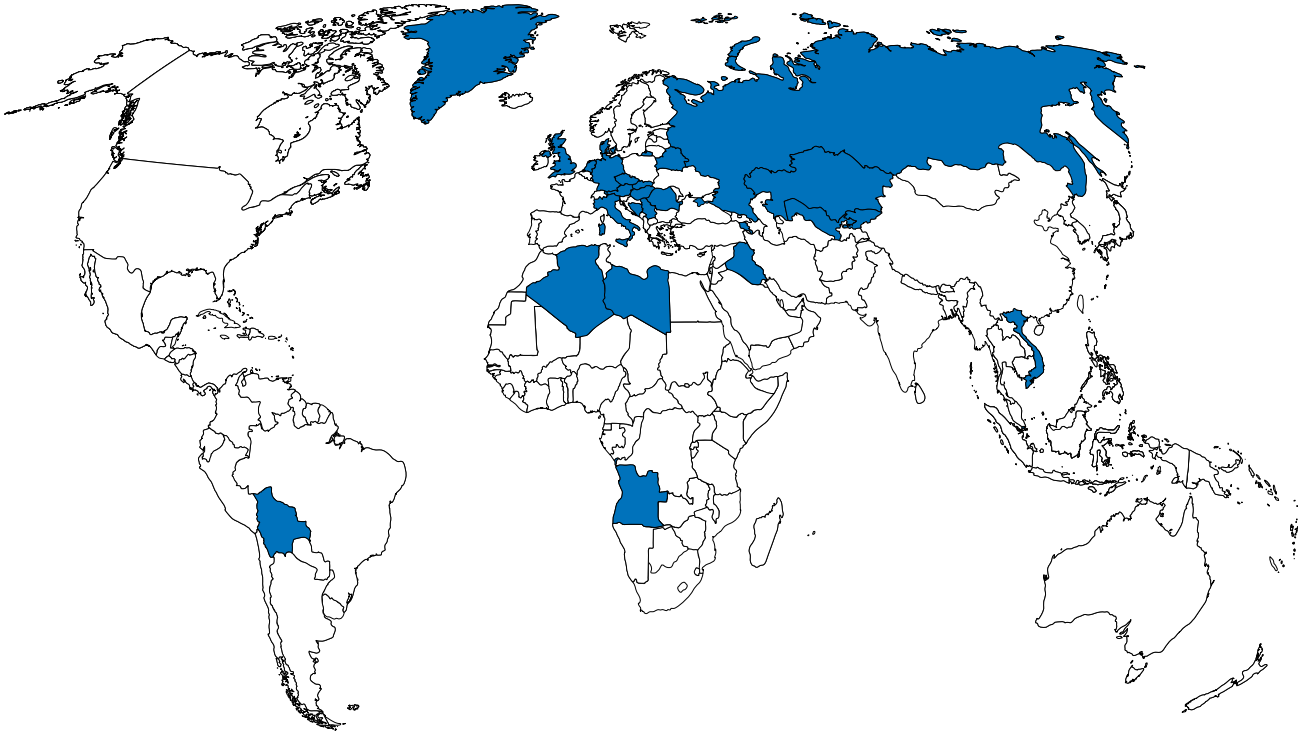
	As at 31 December				
	2016	**2017**	**2018**	**2019**	**2020**
Number of employees of the Group, in thousand:					
PJSC Gazprom	25.6	26.2	26.7	27.1	27.3
Gas production, transportation, processing and storage subsidiaries*	237.4	235.6	232.9	234.9	234.1
Gazprom Neft	71.4	67.6	68.5	72.7	77.4
Gazprom energoholding	44.9	44.2	43.3	45.7	44.0
Gazprom neftekhim Salavat	15.4	16.3	15.2	14.7	14.0
Other subsidiaries	72.7	79.7	79.5	78.7	80.8
Total	**467.4**	**469.6**	**466.1**	**473.8**	**477.6**
by categories:					
management	13.9%	13.9%	14.2%	14.4%	14.2%
specialists and other employees	31.6%	31.5%	32.4%	33.0%	33.4%
workers	54.5%	54.6%	53.4%	52.6%	52.4%
by age:					
30 years	16.9%	15.3%	14.4%	13.4%	12.6%
30-50 years	58.3%	59.9%	61.4%	62.1%	62.6%
50 years and over	24.8%	24.8%	24.2%	24.5%	24.8%

* For the list of companies, see Glossary.

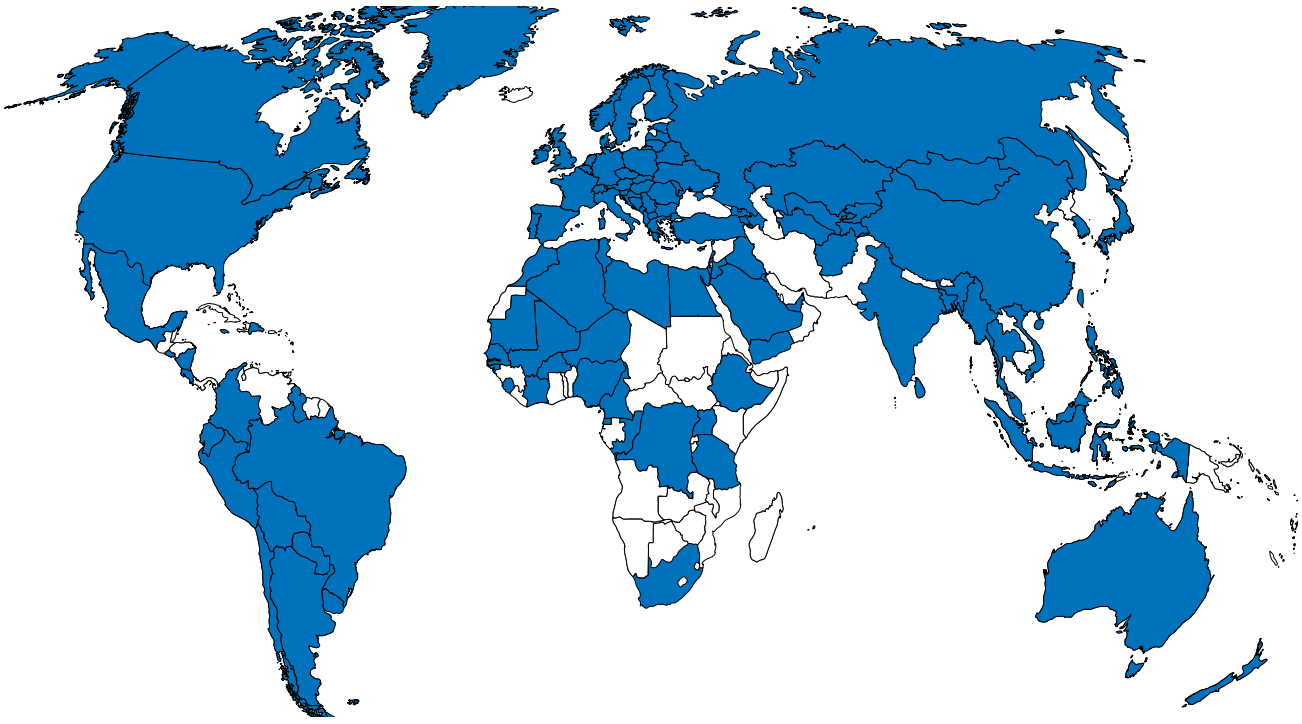
Note. Excluding entities where Gazprom has investments classified as joint operations.

Operations and Marketing Geography

Gazprom Group's operating geography, as at 31 December 2020



Gazprom Group's marketing geography, as at 31 December 2020



Countries	Operations											Marketing							
	Gas distribution	Gas and gas condensate production	Oil production	Gas processing	Oil refining	Gas underground storage in UGSFs owned or co-invested by Gazprom Group	Gas underground storage under UGSFs capacity utilization contracts	Hydrocarbons prospecting and exploration	Production of oil and gas chemical products and certain types of petroleum products	Electricity and heat generation	Gas transportation	Gas sales to end consumers	Trunk pipeline gas sales	Large scale LNG sales	Small scale LNG and CNG sales	Oil and gas condensate sales*	Refined hydrocarbon products sales*	Electricity and heat sales	Oil products retail sales
Russia	■	■	■	■	■	■	–	■	■	■	■	■	■	–	■	■	■	■	■
FSU																			
Azerbaijan	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Armenia	■	–	–	–	–	■	–	–	–	■	■	■	■	–	■	–	■	■	–
Belarus	–	–	–	–	■	■	–	–	–	–	■	■	■	–	■	■	■	■	■
Georgia	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–	–	■	–	–
Kazakhstan	–	–	–	–	–	–	–	■	■	–	–	–	■	–	■	–	■	–	■
Kyrgyzstan	■	–	–	–	–	–	–	–	–	–	■	■	■	–	■	–	■	–	■
Latvia	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–	–	■	–	–
Lithuania	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–	–	■	–	–
Moldova	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–	–	■	–	–
Tajikistan	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	■
Turkmenistan	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Uzbekistan	–	■	–	–	–	–	–	■	–	–	–	–	■	–	–	■	■	–	–
Ukraine	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Estonia	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–	–	■	–	–
South Ossetia	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–	–	–	–	–
Europe																			
Austria	–	–	–	–	–	■	■	–	–	–	–	■	■	–	–	■	■	–	–
Albania	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Belgium	–	–	–	–	–	–	–	–	–	–	–	■	■	■	–	–	■	–	–
Bulgaria	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–	–	■	–	■
Bosnia and Herzegovina	–	–	■	–	–	–	–	■	–	–	–	–	■	–	–	–	■	–	■
United Kingdom	–	■	–	–	–	–	–	–	–	–	–	■	■	■	–	–	■	■	–
Hungary	–	–	–	–	–	–	■	–	–	–	–	■	■	–	–	–	■	–	–
Germany	–	–	–	–	–	■	–	–	–	–	–	■	■	–	■	■	■	■	–
Greece	–	–	–	–	–	–	–	–	–	–	–	–	■	■	–	–	■	–	–
Denmark	–	–	■	–	–	–	–	–	–	–	–	–	■	–	–	–	■	–	–
Ireland	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Spain	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	■	■	–	–
Italy	–	–	–	–	–	–	–	–	■	–	–	–	■	–	–	■	■	–	–
Cyprus	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Luxembourg	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–
Malta	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
the Netherlands	–	■	–	–	–	–	■	–	–	–	–	■	■	■	–	■	■	■	–
Norway	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	■	–
Poland	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–	–	■	–	–

Countries	Operations											Marketing							
	Gas distribution	Gas and gas condensate production	Oil production	Gas processing	Oil refining	Gas underground storage in UGSFs owned or co-invested by Gazprom Group	Gas underground storage under UGSFs capacity utilization contracts	Hydrocarbons prospecting and exploration	Production of oil and gas chemical products and certain types of petroleum products	Electricity and heat generation	Gas transportation	Gas sales to end consumers	Trunk pipeline gas sales	Large scale LNG sales	Small scale LNG and CNG sales	Oil and gas condensate sales*	Refined hydrocarbon products sales*	Electricity and heat sales	Oil products retail sales
Portugal	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Romania	–	■	■	–	–	–	–	■	–	–	–	■	■	–	–	–	■	■	■
North Macedonia	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–	–	■	–	–
Serbia	–	■	■	–	■	■	–	■	■	■	–	■	■	–	■	■	■	■	■
Slovakia	–	–	–	–	–	–	■	–	–	–	–	■	■	–	–	–	■	–	–
Slovenia	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–	–	■	■	–
Turkey	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–	■	■	–	–
Finland	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–	■	■	■	–
France	–	–	–	–	–	–	–	–	–	–	–	■	■	■	–	–	■	–	–
Croatia	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–	–	■	–	–
Montenegro	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Czech Republic	–	–	–	–	–	■	–	–	–	–	–	■	■	–	■	–	■	–	–
Switzerland	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–	–	–	■	–
Sweden	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Africa																			
Algeria	–	–	–	–	–	–	–	■	–	–	–	–	–	–	–	–	■	–	–
Angola	–	–	■	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Burkina Faso	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Gambia	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Guinea-Bissau	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
DRC	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Egypt	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Cameroon	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Côte d'Ivoire	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Libya	–	–	■	–	–	–	–	■	–	–	–	–	–	–	–	–	■	–	–
Mauritius	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Mauritania	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Mali	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Morocco	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Niger	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Nigeria	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Republic of the Congo	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Seychelles	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Senegal	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Sierra Leone	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Tanzania	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Tunisia	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–

Countries	Operations											Marketing							
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Uganda	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Equatorial Guinea	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Ethiopia	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
South Africa	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Near and Middle East																			
Afghanistan	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Israel	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Jordan	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Iraq	–	–	■	–	–	–	–	■	–	–	–	–	–	–	–	–	■	–	–
Yemen	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Kuwait	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–	–	–	–
Lebanon	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
UAE	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Saudi Arabia	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Asia-Pacific																			
Australia	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–	–
Bangladesh	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Vietnam	–	■	–	–	–	–	–	■	–	–	–	–	■	–	–	■	■	–	–
India	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–	■	–	–
Indonesia	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
China	–	–	–	–	–	–	–	–	–	–	–	–	■	■	–	■	■	–	–
Malaysia	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	■	–	–
Myanmar	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
New Zealand	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–	–
South Korea	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	■	■	–	–
Singapore	–	–	–	–	–	–	–	–	■	–	–	–	–	■	–	■	■	–	–
Thailand	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	■	■	–	–
Taiwan (China)	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–	■	–	–
Philippines	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Sri Lanka	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Japan	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	■	■	–	–
North America																			
Canada	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Mexico	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
USA	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Central and South America																			
Argentina	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–

Countries	Operations											Marketing							
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Bolivia	–	■	–	–	–	–	–	■	–	–	–	–	–	–	–	–	■	–	–
Brazil	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Guyana	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Colombia	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Costa Rica	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Nicaragua	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Paraguay	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Peru	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Uruguay	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Chile	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Ecuador	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
El Salvador	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Other countries																			
Dominican Republic	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Maldives	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Mongolia	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–
Jamaica	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	■	–	–

* Excluding countries where sales volumes are insignificant.

Project Milestones after the Reporting Date

Project type	Object		Event after the reporting date
Licences	Tambeyskoye field	1.	In May 2021, PJSC Gazprom, OOO Gazprom Nedra and AO RusGazDobycha signed a Master Agreement on the implementation of a joint project for the development of the Tambeyskoye field, under which OOO Gazprom Nedra and AO RusGazDobycha will establish a 50/50 joint venture to operate subsoil licences for the Tambeyskoye field. The joint venture will be responsible for the development and construction at the field after gas production startup in 2026.
Prospective fields	Urengoyskoye field (Achimov deposits)	2.	In January 2021, production of gas and gas condensate was started at block 4A to carry out comprehensive testing of CGTU-41 and other process equipment.
		3.	In April 2021, production of gas and gas condensate was started at block 5A to carry out comprehensive testing of CGTU-51 and other process equipment.
Gazprom Group's major gas transportation projects	Power of Siberia 2	4.	In January 2021, OOO Gazoprovod Soyuz Vostok, a special-purpose vehicle, was set up in Mongolia to address matters related to construction and operation of the gas pipeline in the country.
		5.	In April 2021, a feasibility study was approved for the Soyuz Vostok gas pipeline project (an extension of Russia's Power of Siberia 2 gas pipeline into the Mongolian territory) as part of a comprehensive feasibility study for a project to supply pipeline gas from Russia across Mongolia to China. Preliminary project estimates confirm the necessary economic value of the project.
Prospective projects for hydrocarbon processing and large-scale LNG production involving Gazprom Group	Integrated complex for gas processing and liquefaction near the seaport of Ust-Luga	6.	In March 2021, OOO RusKhimAlyans and Linde Engineering signed an agreement of intent, which defines the basic terms and conditions of a prospective EPSS-contract providing for engineering services, equipment supply and maintenance of gas processing and off-site facilities.
Capex projects in power generation	Svobodnenskaya TPP	7.	In April 2021, the Svobodnenskaya TPP was commissioned.

Conversion Table and Conventions

Conversion Table

Measure	Correspondence
1 mcm of natural gas	6.49 boe
1 tonne of oil	7.33 boe
1 tonne of gas condensate	8.18 boe
1 million BTUs	For 2020 data: 0.0285 mcm of LNG 0.0194 tonnes of LNG For 2019 data and prior years: 0.028 mcm of LNG 0.021 tonnes of LNG

Conventions

Sign	Meaning
x	Data cannot be given
–	Phenomenon is absent
0.0	Less than 0.05
0.00	Less than 0.005

Calculation of Adjusted Financial Statement Measures and Financial Ratios

Indicator	Definition
Adjusted financial statement measures	
Profit for the year attributable to owners of PJSC Gazprom (adjusted)	Profit for the year attributable to the owners of PJSC Gazprom, adjusted for: — foreign exchange gain (loss) included in finance income and expense — foreign exchange differences on operating items — impairment loss (reversal of impairment loss) on fixed assets and construction in progress — impairment loss (reversal of impairment loss) on investments in associates and joint ventures — the difference between the share in profits of associates and joint ventures and proceeds from associates and joint ventures
Adjusted Net Debt	Net debt adjusted for deposits included in other current and non-current assets
Statement of cash flows figures	
Seft-financing ratio	Ratio between Net cash from operating activities and Capital expenditures (figures from Statement of cash flows)
Return ratios	
Return on operating profit	Ratio between Operating profit and Sales
Return on adjusted EBITDA	Ratio between Adjusted EBITDA and Sales
Return on profit for the year	Ratio between Profit for the year and Sales
Return on assets (ROA)	Ratio between Profit for the year and the average value of Total assets as at the beginning and of the end of the respective period
Return on equity (ROE)	Ratio between Profit for the year and the average value of Equity (including non-controlling interest) as at the beginning and of the end of the respective period
Liquidity ratios	
Current liquidity ratio	Ratio between Current assets and Current liabilities
Quick liquidity ratio	Ratio between Current assets less Inventories and Current liabilities
Other ratios	
EV / EBITDA	Ratio between Enterprise value (calculated as the sum of Market capitalization and Net debt) as at the end of the period and Adjusted EBITDA for the period
P/ E	Ratio between Share price as at the end of the period and Earnings per share for profit attributable to the owners of the company for the respective period
P / S	Ratio between Market capitalization as at the end of the period and Sales of the respective period

Glossary

Terms and abbreviations	Description
ADR of PJSC Gazprom	American Depositary Receipt issued for PJSC Gazprom shares
APG	Associated petroleum gas
Asia Pacific	The Asia-Pacific region, which includes countries of mainland Asia, America and Pacific Ocean Area
bcm	Billion cubic meters
boe	Barrel of oil equivalent
Brent	Benchmark grade of crude oil produced in the North Sea
BTU	British thermal unit
CCGT	Combined cycle gas turbine unit
Central Asia	Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan and Uzbekistan
CGTU	Comprehensive gas treatment unit
CHPP	Combined heat and power plant
CNG	Compressed natural gas
CS	Compressor station
cu m	Cubic metre
cu m of gas	A cubic metre of natural gas measured at 1 Pa pressure and 20 °C, with a calorific value of 8,850 kcal per cu m
Daily average production	Indicator value is calculated based on the number of calendar days in a year
DOP plasticizer	Dioctyl phthalate plasticizer
EBITDA (adjusted)	The sum of operating profit, depreciation, impairment loss or reversal of impairment loss on financial assets and non-financial assets, less changes of allowance for expected credit losses on accounts receivable and impairment allowance on advances paid and prepayments
EUR	Euro
European far abroad countries	25 EU countries (excluding Latvia, Lithuania, and Estonia), such non-EU countries as Turkey, Norway, and Switzerland, and the Balkan states of Albania, Bosnia and Herzegovina, North Macedonia, and Serbia
EV	Enterprise value
FAR	Fatal accident rate. Calculation: Fatalities/total hours worked by all employees × 100,000,000
Far abroad countries	Foreign countries other than FSU countries, comprising the geographic segment Europe and other countries as defined in PJSC Gazprom's IFRS consolidated financial statements
FD	Federal district
FSU countries	Former Soviet Union republics, except for the Russian Federation, which together refer in IFRS financial statements as "Former Soviet Union countries (excluding the Russian Federation)" geographical segment
Gasification	Construction of low-pressure gas pipelines to ensure gas supply to the ultimate consumers
Gazprom Group, Group, Gazprom	PJSC Gazprom (head company) and its subsidiaries taken as a whole
Gazprom Group hydrocarbons production	Production volume of hydrocarbons, defined as the sum of the volume of produced hydrocarbons intended for sale, as well as the volume of produced hydrocarbons spent on own needs

Terms and abbreviations	Description
Gazprom Group sales volumes of hydrocarbons and refined/processed products	Volumes of gas, oil, gas condensate and products of their processing/refining, both from own production and purchased from third-party companies, sold to consumers, excluding intra-group sales
Gcal	Gigacalorie
GDC	Gas distribution company
GHG	Greenhouse gases
GPP	Gas and/or condensate processing plant
GPU	Gas pumping unit
GRES	State district power station
GTS	Gas transportation system
HEPP	Hydroelectric power plant
Hydrocarbon reserves (categories $A+B_1+C_1$)	Explored reserves under Russian classification of reserves with a high degree of geological exploration, which correspond to the previously accepted categories $A+B+C_1$ (for oil, gas and gas condensate reserves there is a recovery factor calculated on the basis of geological and technological factors)
IFRS	International Financial Reporting Standards
kWh	Kilowatt-hour
LNG	Liquefied natural gas
Long-term risk-based operatorship agreement	An agreement between the licence holder and an operator of the field development project whereby the operator invests own funds in the asset development and accepts all associated risks (including geological risk), which allows it to consolidate the project's reserves, production and financial results
LPG	Liquefied petroleum gas
LSE	London Stock Exchange
LTIFR	Lost-time injury frequency rate. Calculation: Lost time injuries/total hours worked by all employees × 1,000,000
mcm	Thousand cubic meters
mmcm	Million cubic meters
MW	Megawatt
Occupational safety	Safety of Gazprom Group's fixed assets, employees, as well as third parties (including their property) and the environment from negative impacts, accidents, and harmful and hazardous workplace factors. Occupational safety comprises occupational health, industrial, fire and road safety.
PJSC Gazprom and its major subsidiaries	PJSC Gazprom and its gas production, gas transportation, gas processing and gas storage subsidiaries: OOO Gazprom dobycha Yamburg, OOO Gazprom dobycha Urengoy, OOO Gazprom dobycha Nadym, OOO Gazprom dobycha Noyabrsk, OOO Gazprom dobycha Orenburg, OOO Gazprom dobycha Astrakhan, OOO Gazprom pererabotka, OOO Gazprom dobycha Krasnodar, OOO Gazprom transgaz Uhta, OOO Gazprom transgaz Surgut, OOO Gazprom transgaz Yugorsk, OOO Gazprom transgaz Sankt-Peterburg, OOO Gazprom transgaz Moskva, OOO Gazprom transgaz Tomsk, OOO Gazprom transgaz Chajkovskij, OOO Gazprom transgaz Yekaterinburg, OOO Gazprom transgaz Stavropol, OOO Gazprom transgaz Makhachkala, OOO Gazprom transgaz Nizhny Novgorod, OOO Gazprom transgaz Saratov, OOO Gazprom transgaz Volgograd, OOO Gazprom transgaz Samara, OOO Gazprom transgaz Ufa, OOO Gazprom transgaz Kazan, OOO Gazprom transgaz Krasnodar, OAO Gazprom transgaz Belarus, OOO Gazprom PHG
PRMS	Petroleum Resources Management System, an international standard for hydrocarbon reserve classification and reporting
PSA	Production sharing agreement
R&D	Research and Development
Roubles, RUB	Russian roubles
t c.e.	Ton of coal equivalent. A unit of accounting for the thermal value of fuel used to compare different types of fuel
ton	Metric ton
TPP	Thermal power plant

Terms and abbreviations	Description
UGSF	Underground gas storage facility
UGSS	Unified Gas Supply System of Russia
UOHSMS	Unified Occupational Health and Safety Management System
UOHSMS, entities covered	PJSC Gazprom, its main subsidiaries for exploration, production, processing, transportation of gas, underground gas storage and power and heat generation, as well as subsidiaries involved in operation of the UGSS
USD	United States (US) dollars
VAT	Value added tax
WFLH	Wide fraction of light hydrocarbons