



Synergy of success

Gazprom in Figures 2017–2021 Factbook

Gazprom in Figures 2017–2021

Factbook

Gazprom in Figures 2017–2021 Factbook contains information and statistics prepared for the annual General Shareholders Meeting of PJSC Gazprom in 2022. The Factbook is based on PJSC Gazprom's corporate reports and information derived from Russian and foreign information publications.

The term "PJSC Gazprom" as used in this Factbook refers to the parent company of Gazprom Group, i.e. to Public Joint Stock Company Gazprom.

The terms "Gazprom Group", the "Group" or "Gazprom" mean an aggregate of entities which includes PJSC Gazprom and its subsidiaries. For the purposes of this Factbook, the lists of Gazprom Group's subsidiaries, associates and joint ventures, as well as entities in which Gazprom has investments classified as joint operations, were prepared based on the principles used in the preparation of Gazprom Group's IFRS consolidated financial statements.

Similarly, the term "Gazprom Neft" refers to PAO Gazprom Neft and its subsidiaries; "Gazprom energoholding" refers to OOO Gazprom energoholding and its subsidiaries; and "Gazprom neftekhim Salavat" refers to OOO Gazprom neftekhim Salavat and its subsidiaries.

Gazprom's results stated in the Factbook are generally presented in compliance with the principles for preparing Gazprom Group's consolidated financial statements in accordance with IFRS and/or for the aggregate of Gazprom Group entities for the purposes of Gazprom Group's IFRS consolidated financial statements. In accordance with IFRS 11 Joint Arrangements, hydrocarbon reserves, as well as production and processing/refining volumes presented in the Factbook include Gazprom Group's share in the results of entities in which Gazprom has investments classified as joint operations.

Some operational parameters of PJSC Gazprom and its subsidiaries are based on management reporting. Metrics calculated using these methods might not be comparable between each other due to differences in the methodologies used for preparing Gazprom Group's consolidated financial statements in accordance with IFRS and for maintaining management reporting.

The Group uses metric units in its management reporting. Metrics shown in barrels of oil equivalent (boe) were calculated using the specified conversion ratios.

The Group's financial indicators are derived from Gazprom Group's IFRS consolidated financial statements. Gazprom Group's financial statements are expressed in Russian roubles. Equivalent amounts in US dollars and euros were calculated at the specified exchange rates and do not constitute the Group's financial statements data.

Contents

Financial Results

4

Macroeconomic Data

6

Market Data

7

Operational Results

8

Exploration and Production

8

Transportation

16

Underground Gas Storage

17

Gas Distribution and Gas Infrastructure Expansion

18

Processing/refining

19

Power Generation

21

Geography of Gazprom Group's Operations in Russia

22

Contents

Marketing
30

Environmental Protection and Energy Saving
33

Occupational Safety
37

Patent Management, R&D
38

Employees
39

Reference Information
40

Conversion Ratios and Conventions
40

Calculation of Adjusted Financial Statement Figures and Financial Ratios
41

Glossary of Key Terms and Abbreviations
42

Financial Results

Gazprom Group's key financial results and ratios

	As at and for the year ended 31 December				
	2017	2018	2019	2020	2021
Statement of comprehensive income figures					
Sales, RUB million	6,546,143	8,224,177	7,659,623	6,321,559	10,241,353
Operating expenses, RUB million	5,697,056	6,181,191	6,387,071	5,665,762	7,681,410
Operating profit, RUB million	871,405	1,930,030	1,119,857	614,851	2,411,261
Adjusted EBITDA, RUB million	1,467,692	2,599,284	1,859,679	1,466,541	3,686,890
Profit for the year, RUB million	766,879	1,528,996	1,269,517	162,407	2,159,086
Profit for the year attributable to owners of PJSC Gazprom, RUB million	714,302	1,456,270	1,202,887	135,341	2,093,071
Basic and diluted earnings per share attributable to the owners of PJSC Gazprom, RUB	32.32	65.89	53.47	5.66	88.07
Balance sheet figures					
Assets, RUB million	18,238,770	20,810,440	21,882,348	23,352,185	27,047,230
Current assets, RUB million	3,469,266	4,212,230	3,828,153	3,774,289	6,214,283
Inventories, RUB million	772,314	909,677	946,361	971,789	1,009,323
Current liabilities, RUB million	2,589,516	2,473,695	2,527,476	2,626,964	4,022,945
Total debt, RUB million	3,266,518	3,863,822	3,863,904	4,907,614	4,883,702
Net debt, RUB million	2,397,511	3,014,403	3,167,847	3,872,695	2,869,779
Equity, excluding non-controlling interest, RUB million	11,629,086	13,300,009	14,104,833	14,237,943	16,251,519
Equity, including non-controlling interest, RUB million	12,015,481	13,776,153	14,615,687	14,804,732	16,866,579
Capital expenditures,* RUB million	1,504,600	1,795,884	1,818,677	1,494,185	1,937,611
Statement of cash flows figures					
Net cash from operating activities, RUB million	1,187,022	1,617,384	1,709,384	1,918,891	3,015,390
Capital expenditures, RUB million	(1,405,780)	(1,639,474)	(1,775,923)	(1,522,565)	(1,933,766)
Net cash used in investing activities, RUB million	(1,368,131)	(1,617,718)	(1,938,109)	(1,545,602)	(1,830,437)
Net cash (used in) from financing activities, RUB million	149,944	(96,070)	152,375	(106,421)	(178,931)
Cash and cash equivalents at the end of the reporting year, RUB million	869,007	849,419	696,057	1,034,919	2,013,923
Self-financing ratio	84%	99%	96%	126%	156%
Adjusted financial statement figures**					
Profit for the year attributable to owners of PJSC Gazprom (adjusted), RUB million	651,670	1,678,319	994,309	594,143	2,487,289
Net debt (adjusted), RUB million	2,067,983	2,216,831	2,491,425	3,856,032	2,650,118
Return ratios***					
Return on operating profit	13%	23%	15%	10%	24%
Return on adjusted EBITDA	22%	32%	24%	23%	36%
Return on profit for the year	12%	19%	17%	3%	21%
Return on assets (ROA)	4%	8%	6%	1%	9%
Return on equity (ROE)	7%	12%	9%	1%	14%

Gazprom in Figures 2017–2021 Factbook

	As at and for the year ended 31 December				
	2017	2018	2019	2020	2021
Ratios of total and net debt					
Total debt / Equity and non-controlling interest	27%	28%	26%	33%	29%
Total debt / Total debt, equity and non-controlling interest	21%	22%	21%	25%	22%
Total debt / Total assets	18%	19%	18%	21%	18%
Total debt / Adjusted EBITDA	2.23	1.49	2.08	3.35	1.32
Net debt / Adjusted EBITDA	1.63	1.16	1.70	2.64	0.78
Net debt (adjusted) / Adjusted EBITDA	1.41	0.85	1.34	2.63	0.72
Liquidity ratios***					
Current liquidity ratio	1.34	1.70	1.51	1.44	1.54
Quick liquidity ratio	1.04	1.34	1.14	1.07	1.29
Other ratios***					
EV/EBITDA ratio	3.7	2.6	5.0	6.1	3.0
P/E ratio	4.0	2.3	4.8	37.6	3.9
P/S ratio	0.5	0.4	0.8	0.8	0.8
* Capital expenditures are derived from Segment Information in Gazprom Group's IFRS consolidated financial statements.					
** These indicators 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 Figures and Financial Ratios section.					
*** For calculation formulas, see the Calculation of Adjusted Financial Statement Figures and Financial Ratios section.					

Macroeconomic Data

	Unit of measurement	As at and for the year ended 31 December				
		2017	2018	2019	2020	2021
Consumer price index (December on December), growth	%	2.5%	4.3%	3.0%	4.9%	8.4%
Producer price index (December on December), growth	%	8.4%	11.7%	−4.3%	3.6%	28.5%
Average RUB/USD exchange rate for the period	RUB/USD	58.31	62.90	64.64	72.43	73.67
RUB/USD exchange rate at the end of the period	RUB/USD	57.60	69.47	61.91	73.88	74.29
Average RUB/EUR exchange rate for the period	RUB/EUR	66.02	74.11	72.35	82.89	87.09
RUB/EUR exchange rate at the end of the period	RUB/EUR	68.87	79.46	69.34	90.68	84.07
Brent oil price (Dated)*	USD per barrel	66.54	50.21	66.77	50.49	77.02
Urals oil price (average CIF MED/RDAM)*	USD per barrel	66.19	51.18	62.38	49.20	75.78
Average annual Brent oil price (Dated)*	USD per barrel	54.19	71.31	64.21	41.84	70.91
Average annual Urals oil price (average CIF MED/RDAM)*	USD per barrel	53.06	70.05	63.37	41.88	68.75

* Source: Platts.

Note. Economic indicators and exchange rates are based on data provided by the Bank of Russia and the Federal State Statistics Service. Average exchange rates were calculated based on the average exchange rates on business days provided by the Bank of Russia.

Market Data

	Unit of measurement	As at and for the year ended 31 December				
		2017	2018	2019	2020	2021
Share closing price on the Moscow Exchange						
at year-end	RUB	130.50	153.50	256.40	212.69	341.21
minimum	RUB	115.35	132.20	149.49	154.28	213.03
maximum	RUB	157.97	172.11	270.74	259.00	385.20
Number of PJSC Gazprom's ordinary shares issued, as at the year-end	million shares	23,674	23,674	23,674	23,674	23,674
Number of PJSC Gazprom's ordinary shares issued, held by PJSC Gazprom's subsidiaries, as at the year-end	million shares	1,573	1,573	29	29	29
Number of PJSC Gazprom's ordinary shares issued less shares held by PJSC Gazprom's subsidiaries, as at the year-end*	million shares	22,101	22,101	23,645	23,645	23,645
Market capitalisation at year-end**	USD billion	53.6	52.3	98.0	68.2	109.7
change (year-on-year)	%	-11.1%	-2.4%	87.5%	-30.5%	60.9%
MOEX Russia Index	points	2,110	2,369	3,046	3,289	3,787
change (year-on-year)	%	-5.5%	12.3%	28.6%	8.0%	15.1%
RTS index	points	1,154	1,069	1,549	1,387	1,596
change (year-on-year)	%	0.2%	-7.4%	44.9%	-10.5%	15.1%
Average daily trading volume, Moscow Exchange	million shares	28.9	26.3	37.0	56.6	55.3
Dividend per ordinary share***	RUB	8.04	16.61	15.24	12.55	52.53
Shareholding structure						
Russian Federation represented by the Federal Agency for State Property Management****	%	38.37%	38.37%	38.37%	38.37%	38.37%
AO ROSNEFTEGAZ	%	10.97%	10.97%	10.97%	10.97%	10.97%
AO Rosgazifikatsiya	%	0.89%	0.89%	0.89%	0.89%	0.89%
ADR holders*****	%	25.20%	24.13%	19.70%	16.71%	16.16%
Other registered holders	%	24.57%	25.64%	30.07%	33.06%	33.61%
Total	%	100%	100%	100%	100%	100%
* As at 31 December of the respective year, there were no PJSC Gazprom shares the title to which was transferred to PJSC Gazprom.						
** Market capitalisation was calculated based on the share price on the Moscow Exchange converted to USD.						
*** Recommended dividend shown for 2021.						
**** As at 31 December of the respective year, the cumulative share in PJSC Gazprom controlled directly or indirectly 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 (ADRs) on PJSC Gazprom shares.						

Operational Results

Exploration and Production

Gazprom Group's A+B₁+C₁ hydrocarbon reserves in Russia

(including the share in the reserves of entities in which Gazprom has investments classified as joint operations)

	Unit of measurement	As at 31 December				
		2017	2018	2019	2020	2021
Natural gas	bcm	35,355.4	35,195.3	34,899.0	33,574.5	30,226.9
	mm boe	229,456.5	228,417.5	226,494.5	217,898.5	196,172.6
Gas condensate	mm tonnes	1,595.6	1,604.4	1,569.7	1,494.4	1,369.3
	mm boe	13,052.0	13,124.0	12,840.1	12,224.2	11,200.9
Oil	mm tonnes	2,045.3	2,015.7	2,005.7	2,023.8	1,874.1
	mm boe	14,992.1	14,775.1	14,701.8	14,834.5	13,737.1
Total	mm boe	257,500.6	256,316.6	254,036.4	244,957.2	221,110.6
Proportion of global natural gas reserves*	%	16.7%	16.2%	16.3%	15.6%	15.0%
Proportion of Russia's natural gas reserves*	%	71.7%	71.1%	71.1%	70.3%	67.8%

* Calculated based on data provided by PJSC Gazprom.

Change in Gazprom Group's A+B₁+C₁ hydrocarbon reserves in Russia

(including the share in the reserves of entities in which Gazprom has investments classified as joint operations)

	Natural gas, bcm	Gas condensate,* mm tonnes	Oil, mm tonnes
Reserves as at 31 December 2016	36,443.9	1,534.9	2,078.5
Exploration-based additions to reserves	852.9	95.6	3.3
Transfer of reserves discovered in 2017 to the Russian open acreage** and to the books of other companies, acquisition from other companies	-46.4	-	1.2
Obtaining of licences	12.8	1.9	-
Licence returns	-0.1	-	-
Acquisition of assets	-	-	-
Disposal of assets	-	-	-9.4
Re-estimation	-1,437.8	-24.8	19.8
Production (including losses)	-469.9***	-12.0	-48.1
Reserves as at 31 December 2017	35,355.4	1,595.6	2,045.3
Exploration-based additions to reserves	796.6	21.8	19.4
Transfer of reserves discovered in 2018 to the Russian open acreage** and to the books of other companies, acquisition from other companies	-409.3	-0.6	-5.7
Obtaining of licences	-	-	0.8
Licence returns	-	-	-
Acquisition of assets	-	-	0.1
Disposal of assets	-	-	-
Re-estimation	-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
Exploration-based additions to reserves	556.7	11.7	29.0
Transfer of reserves discovered in 2019 to the Russian open acreage** and to the books of other companies, acquisition from other companies	-0.4	-	-0.2
Obtaining of licences	2.7	-	7.4
Licence returns	-0.8	-	-0.1

Gazprom in Figures 2017–2021 Factbook

Operational Results

Exploration and Production

	Natural gas, bcm	Gas condensate,* mm tonnes	Oil, mm tonnes
Acquisition of assets	100.6	6.3	–
Disposal of assets	–	–	–
Re-estimation	–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
Exploration-based additions to reserves	486.3	17.2	9.5
Transfer of reserves discovered in 2020 to the Russian open acreage** and to the books of other companies, acquisition from other companies	–2.9	–	0.2
Obtaining of licences	15.7	1.2	2.8
Licence returns	–	–	–
Acquisition of assets	–	–	–
Disposal of assets	–	–	–
Re-estimation	–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
Exploration-based additions to reserves	525.8	9.1	43.5
Transfer of reserves discovered in 2021 to the Russian open acreage** and to the books of other companies, acquisition from other companies	–22.2	–2.1	–133.0
Obtaining of licences	6.2	–	–
Licence returns	–	–	–
Acquisition of assets	–	–	–
Disposal of assets	–	–	–
Re-estimation	–3,344.4	–118.7	–13.4
Production (including losses)	–513.0***	–13.4	–46.8
Reserves as at 31 December 2021	30,226.9	1,369.3	1,874.1

* Any production-driven changes in gas condensate reserves are recognised in terms of stable gas condensate equivalent (C_g). For unstable gas condensate production by Gazprom Group, see the Hydrocarbon production by Gazprom Group in Russia table.

** Under the Russian Federation laws, a subsoil user does not have any vested right to develop reserves it discovers within the areas covered by its exploration licences or beyond the licence blocks. Such reserves are to be transferred to the open acreage of Russia, with the subsoil user granted the pre-emptive right to subsequently obtain a licence for developing the relevant discovery.

*** Excluding dissolved gas.

Hydrocarbon fields and deposits discovered by Gazprom Group in Russia

	For the year ended 31 December				
	2017	2018	2019	2020	2021
Gazprom Group					
Fields	4	3	4	3	1
Deposits in previously discovered fields	47	12	25	22	29
Entities in which Gazprom has investments classified as joint operations					
Fields	1	1	1	1	–
Deposits in previously discovered fields	5	3	2	3	–

Operational Results

Exploration and Production

Reserve replacement ratio of Gazprom Group's A+B₁+C₁ hydrocarbon reserves in Russia (including the share in the reserves and production volumes of entities in which Gazprom has investments classified as joint operations)

	For the year ended 31 December				
	2017	2018	2019	2020	2021
Natural gas	1.82	1.60	1.11	1.08	1.03
Gas condensate	7.97	1.74	0.88	1.30	0.68
Oil	0.07	0.41	0.61	0.21	0.93
Total	1.81	1.49	1.06	1.00	1.01

Distribution of Gazprom Group's A+B₁+C₁ hydrocarbon reserves in Russia (including the share in the reserves of entities in which Gazprom has investments classified as joint operations)

	As at 31 December				
	2017	2018	2019	2020	2021
Natural gas, bcm					
Ural Federal District	20,302.6	19,735.7	19,257.7	18,372.5	15,022.8
Northwestern Federal District	319.3	318.6	315.1	315.0	261.0
Southern and North Caucasian Federal Districts	2,961.1	2,948.2	2,924.6	2,911.4	3,018.8
Volga Federal District	640.7	626.9	666.6	452.6	443.2
Siberian Federal District	2,102.1	2,094.2	2,080.5	1,803.8	1,764.4
Far Eastern Federal District	1,420.1	1,415.8	1,425.4	1,420.3	1,407.0
Russian continental shelf	7,609.5	8,055.9	8,229.1	8,298.9	8,309.7
Total	35,355.4	35,195.3	34,899.0	33,574.5	30,226.9
Gas condensate, mm tonnes					
Ural Federal District	750.0	744.1	739.2	724.3	575.9
Northwestern Federal District	33.1	33.0	32.3	32.1	14.7
Southern and North Caucasian Federal Districts	439.0	436.0	432.4	429.7	474.1
Volga Federal District	55.6	55.3	55.0	16.5	16.2
Siberian Federal District	96.9	96.0	94.6	75.4	71.2
Far Eastern Federal District	29.4	29.3	31.6	31.4	31.1
Russian continental shelf	191.6	210.7	184.6	185.0	186.1
Total	1,595.6	1,604.4	1,569.7	1,494.4	1,369.3
Oil, mm tonnes					
Ural Federal District	1,494.3	1,471.2	1,466.8	1,466.0	1,406.4
Northwestern Federal District	20.3	20.3	19.5	20.0	20.1
Southern and North Caucasian Federal Districts	7.8	7.7	7.8	7.7	7.8
Volga Federal District	228.1	227.7	224.9	235.5	233.1
Siberian Federal District	199.6	187.4	188.4	189.2	105.8
Far Eastern Federal District	36.8	36.8	36.9	36.7	35.9
Russian continental shelf	58.4	64.6	61.4	68.7	65.0
Total	2,045.3	2,015.7	2,005.7	2,023.8	1,874.1

Operational Results

Exploration and Production

A+B₁+C₁ hydrocarbon reserves of associates and joint ventures in Russia attributable to Gazprom Group

	Unit of measurement	As at 31 December				
		2017	2018	2019	2020	2021
Natural gas	bcm	1,003.8	1,146.7	1,064.0	1,046.2	1,079.3
	mm boe	6,514.7	7,442.1	6,905.4	6,789.8	7,004.7
Gas condensate	mm tonnes	100.8	110.1	111.1	110.1	122.0
	mm boe	824.5	900.6	908.8	900.6	998.0
Oil	mm tonnes	578.3	592.0	588.6	595.7	726.5
	mm boe	4,238.9	4,339.4	4,314.4	4,366.5	5,325.2
Total	mm boe	11,578.1	12,682.1	12,128.6	12,056.9	13,327.9

License blocks in Russia

	Unit of measurement	As at 31 December				
		2017	2018	2019	2020	2021
Gazprom Group						
Number of subsoil licences for geological surveying, exploration and production of hydrocarbons	unit	265	274	302	317	322
Total area of licence blocks	thousand square km	547.5	559.3	573.2	582.5	589.4
Entities in which Gazprom has investments classified as joint operations						
Number of subsoil licences for geological surveying, exploration and production of hydrocarbons	unit	36	36	37	37	6
Total area of licence blocks	thousand square km	23.1	23.1	23.9	23.7	2.9

Summary information on exploration activities in Russia

	Unit of measurement	For the year ended 31 December				
		2017	2018	2019	2020	2021
Gazprom Group						
Exploration drilling	thousand m	85.9	157.6	201.7	162.0	112.3
Completed exploration wells	unit	36	25	41	34	31
incl. producing wells		31	20	39	27	29
2D seismic surveys	thousand linear km	–	5.7	15.0	–	1.8
3D seismic surveys	thousand square km	18.7	9.5	7.9	5.9	7.8
Additions to hydrocarbon reserves	mm boe	6,337.1	5,440.6	3,906.6	3,358.4	3,789.0
Drilling efficiency	thousand boe / m	73.8	34.5	19.4	20.7	33.7
Entities in which Gazprom has investments classified as joint operations						
Exploration drilling	thousand m	12.8	28.7	21.0	8.1	–
Completed exploration wells	unit	4	8	7	3	–

Operational Results

Exploration and Production

	Unit of measurement	For the year ended 31 December				
		2017	2018	2019	2020	2021
incl. producing wells		4	5	3	–	–
2D seismic surveys	thousand linear km	–	–	–	–	–
3D seismic surveys	thousand square km	0.2	0.5	0.4	0.7	0.3

Hydrocarbon production by Gazprom Group in Russia

(including the share in the production volumes of entities in which Gazprom has investments classified as joint operations)

	Unit of measurement	For the year ended 31 December				
		2017	2018	2019	2020	2021
Natural and associated gas	bcm	472.05	498.68	501.22	454.51	515.61
	mm boe	3,063.60	3,236.43	3,252.92	2,949.77	3,346.31
Gas condensate	mm tonnes	15.94	15.93	16.71	16.25	16.32
	mm boe	130.39	130.31	136.69	132.93	133.50
Oil	mm tonnes	48.63	48.28	47.96	47.11	48.16
	mm boe	356.46	353.89	351.55	345.32	353.01
Total	mm boe	3,550.45	3,720.63	3,741.16	3,428.02	3,832.82
Proportion of global natural gas production*	%	12.0%	12.1%	11.7%	10.9%	12.0%
Proportion of Russia's natural gas production**	%	68.3%	68.7%	67.9%	65.6%	67.5%
Proportion of Russia's oil and gas condensate production**	%	11.8%	11.6%	11.5%	12.4%	12.3%

* Calculated based on data provided by the International Association for Natural Gas (CEDIGAZ) and PJSC Gazprom. Statistics on international production and trade are adjusted to Russian standard terms and conditions using a coefficient of 1.07.

** Calculated based on data provided by the Russian Ministry of Energy and PJSC Gazprom.

Average daily hydrocarbon production by Gazprom Group in Russia

(including the share in the production volumes of entities in which Gazprom has investments classified as joint operations)

	Unit of measurement	For the year ended 31 December				
		2017	2018	2019	2020	2021
Natural and associated gas	mmcm per day	1,293.3	1,366.2	1,373.2	1,241.8	1,412.6
Gas condensate	thousand tonnes per day	43.7	43.7	45.8	44.4	44.7
Oil	thousand tonnes per day	133.2	132.3	131.4	128.7	131.9

Actual maximum daily production of natural and associated gas by Gazprom Group in Russia in the autumn and winter seasons

(excluding the share in the production volumes of entities in which Gazprom has investments classified as joint operations)

	Autumn and winter				
	2016/2017	2017/2018	2018/2019	2019/2020	2020/2021
Date	02.12.2016	23.02.2018	19.01.2019	28.12.2019	17.02.2021
Production, mmcm	1,535.6	1,512.6	1,538.6	1,514.1	1,548.1
incl. production in the UGSS area*	1,528.8	1,505.9	1,531.3	1,496.8	1,507.1

* Including the volumes of OOO Gazpromneft-Yamal.

Distribution of hydrocarbon production by Gazprom Group in Russia

(including the share in the production volumes of entities in which Gazprom has investments classified as joint operations)

	For the year ended 31 December				
	2017	2018	2019	2020	2021
Natural and associated gas, bcm					
Ural Federal District	437.56	464.36	465.76	416.51	472.44
Northwestern Federal District	2.02	1.89	1.99	1.99	1.99
Southern and North Caucasian Federal Districts	11.58	11.94	12.22	11.20	9.15
Volga Federal District	14.95	14.40	14.42	14.31	13.60
Siberian Federal District	4.88	4.91	4.86	4.87	4.85
Far Eastern Federal District	0.43	0.45	1.21	4.79	12.27
Russian continental shelf	0.63	0.73	0.76	0.84	1.31
Total	472.05	498.68	501.22	454.51	515.61
Gas condensate, mm tonnes					
Ural Federal District	11.51	11.38	12.10	11.88	12.45
Northwestern Federal District	0.12	0.12	0.11	0.11	0.11
Southern and North Caucasian Federal Districts	3.68	3.81	3.90	3.61	2.92
Volga Federal District	0.12	0.12	0.13	0.13	0.11
Siberian Federal District	0.39	0.37	0.32	0.30	0.29
Far Eastern Federal District	0.01	0.02	0.02	0.08	0.21
Russian continental shelf	0.11	0.11	0.13	0.14	0.23
Total	15.94	15.93	16.71	16.25	16.32
Oil, mm tonnes					
Ural Federal District	35.71	36.82	36.34	36.20	36.78
Northwestern Federal District	0.02	0.02	0.02	0.02	0.02
Southern and North Caucasian Federal Districts	0.09	0.08	0.12	0.11	0.09
Volga Federal District	2.85	2.79	3.10	3.16	2.97
Siberian Federal District	7.32	5.38	5.24	4.16	3.93
Far Eastern Federal District	0.00	0.00	0.00	0.19	0.75
Russian continental shelf	2.64	3.19	3.14	3.27	3.62
Total	48.63	48.28	47.96	47.11	48.16

APG utilisation by Gazprom Group in Russia

	For the year ended 31 December				
	2017	2018	2019	2020	2021
APG utilisation, bcm					
Gazprom Group, excluding the share in the production volumes of entities in which Gazprom has investments classified as joint operations	10.35	12.86	16.47	18.06	21.73
Gazprom Group's share in the production volumes of entities in which Gazprom has investments classified as joint operations	1.07	1.08	1.08	0.97	0.81
Gazprom Group, including the share in the production volumes of entities in which Gazprom has investments classified as joint operations	11.42	13.94	17.55	19.03	22.54

Operational Results

Exploration and Production

	For the year ended 31 December				
	2017	2018	2019	2020	2021
APG utilisation rate, %					
Gazprom Group, excluding the share in the production volumes of entities in which Gazprom has investments classified as joint operations	79.0	80.3	89.9	91.6	90.1
Gazprom Group's share in the production volumes of entities in which Gazprom has investments classified as joint operations	88.9	91.6	91.8	95.2	94.8
Gazprom Group, including the share in the production volumes of entities in which Gazprom has investments classified as joint operations	79.8	81.8	90.1	92.0	90.5

Gazprom Group's share of hydrocarbon production of associates and joint ventures in Russia

	Unit of measurement	For the year ended 31 December				
		2017	2018	2019	2020	2021
Natural and associated gas	bcm	27.04	26.92	26.86	28.36	27.41
	mm boe	175.49	174.71	174.32	184.06	177.89
Gas condensate	mm tonnes	4.96	4.87	4.74	5.07	5.04
	mm boe	40.57	39.84	38.77	41.47	41.23
Oil	mm tonnes	10.91	11.22	11.77	9.43	9.65
	mm boe	79.97	82.24	86.27	69.12	70.73
Total	mm boe	296.03	296.79	299.36	294.65	289.85

Production drilling for gas and oil in Russia, thousand m

	For the year ended 31 December				
	2017	2018	2019	2020	2021
Gazprom Group					
For gas	240.8	304.4	400.8	514.2	718.0
For oil	2,559.5	2,202.6	2,811.7	3,275.5	2,815.3
Entities in which Gazprom has investments classified as joint operations					
For oil	784	749	744	407	180

Hydrocarbon production capacity in Russia

	As at 31 December				
	2017	2018	2019	2020	2021
Gazprom Group					
Fields in commercial development	136	138	144	147	147
Gas development wells	7,945	7,976	8,061	8,139	8,284
incl. active	7,438	7,418	7,438	7,494	7,534
Oil development wells	7,944	9,106	8,393	9,189	9,420
incl. active	7,358	8,489	7,752	8,519	8,809

Operational Results

Exploration and Production

	As at 31 December				
	2017	2018	2019	2020	2021
Entities in which Gazprom has investments classified as joint operations					
Fields in commercial development	41	38	39	39	3
Gas development wells	7	4	4	4	–
incl. active	1	4	4	3	–
Oil development wells	3,810	3,866	3,819	3,781	923
incl. active	3,472	3,534	3,516	2,610	796

Transportation

	Unit of measurement	As at and for the year ended 31 December				
		2017	2018	2019	2020	2021
Combined length of trunklines and branch pipelines operated by Gazprom Group's gas transportation subsidiaries in Russia*	thousand km	172.1	172.6	175.2	176.8	178.2
Gas supplies into Gazprom's GTS in Russia	bcm	672.09	693.07	678.96	625.02	703.12
Supplies to Russian consumers via Gazprom's GTS**	bcm	351.3	361.7	353.9	338.8	376.8
incl. Gazprom Group via the GTS (with purchases from outside Gazprom Group)		231.3	244.1	240.0	225.9	258.5
Supplies to Russian consumers via Gazprom's GTS from Gazprom Group's production**	bcm	216.3	224.9	221.2	208.4	238.1
Domestic gas consumption in Russia	bcm	468.0	493.2	481.0	460.5	516.1

* Including technological jumpers.

** Excluding GTS process needs.

Underground Gas Storage

	As at 31 December				
	2017	2018	2019	2020	2021
Number of underground gas storage facilities in Russia	26	27	27	27	27

	Unit of measurement	Withdrawal season				
		2017/2018	2018/2019	2019/2020	2020/2021	2021/2022
Operating gas reserve in Russian UGSFs at the start of the withdrawal season	mmcm	72,184	72,272	72,232	72,322	72,638

	Unit of measurement	Withdrawal season			
		2017/2018	2018/2019	2019/2020	2020/2021
Gas withdrawal volume from Russian UGSFs over the withdrawal season	mmcm	48,754	44,732	32,618	60,963
Gas withdrawal from Russian UGSFs over the withdrawal season as a share of the working gas inventories created by the start of the withdrawal season	%	67%	62%	45%	84%

Gas Distribution and Gas Infrastructure Expansion

	Unit of measurement	As at and for the year ended 31 December				
		2017	2018	2019	2020	2021
Gas distribution in Russia						
Length of external gas pipelines, operated by Gazprom Group's gas distribution subsidiaries and associates	thousand km	773.4	786.7	802.8	817.1	831.8
Natural gas transportation via gas distribution networks operated by Gazprom Group's gas distribution subsidiaries and associates	bcm	239.0	239.7	232.6	223.2	249.6
Consumers (natural gas) of Gazprom Group's gas distribution subsidiaries and associates, incl.:						
apartments and private households	million units	28.5	27.7	28.0	28.3	28.4
industrial facilities	thousand units	31.6	32.4	32.8	33.0	33.8
agricultural facilities	thousand units	7.6	8.1	9.1	9.8	9.5
utility facilities	thousand units	326.1	332.6	344.0	353.6	361.4
Expansion of gas infrastructure in Russian regions						
Length of inter-settlement gas pipelines completed during the year as part of gas supply and infrastructure expansion programmes in Russian regions	thousand km	1.8	2.0	1.9	2.2	2.7
Natural gas penetration rate in Russia*	%	68.1%	68.6%	70.1%	71.4%	72.1%
Number of fulfilled connection requests for additional gas infrastructure expansion	thousand units	x	x	x	x	72.1

* 2017–2019 indicators are calculated based on the housing stock data as at 2005. Starting from 2020, the natural gas penetration rate is calculated in line with the Guidelines for Calculating the Gas Penetration Rate approved by Order of the Russian Ministry of Energy No. 308 dated 2 April 2019.

* 2017–2019 indicators are calculated based on the housing stock data as at 2005. Starting from 2020, the natural gas penetration rate is calculated in line with the Guidelines for Calculating the Gas Penetration Rate approved by Order of the Russian Ministry of Energy No. 308 dated 2 April 2019.

Processing/refining

	Unit of measurement	For the year ended 31 December				
		2017	2018	2019	2020	2021
Hydrocarbon processing/refining by Gazprom Group (excluding tolling arrangements)						
Natural and associated gas processing	bcm	30.82	31.06	31.47	30.61	34.96
Primary oil refining and primary processing of stable gas condensate	mm tonnes	53.08	55.86	54.96	53.69	55.80
Processing (purification and stabilisation) of unstable gas condensate by major subsidiaries of PJSC Gazprom	mm tonnes	17.47	17.75	18.82	18.47	18.13
Proportion of Russia's primary oil refining and primary processing of stable gas condensate*	%	17.7%	18.2%	18.2%	18.7%	18.6%
Production volumes of Gazprom Group's certain types of refined and processed products (excluding tolling arrangements)						
Dry gas	bcm	23.61	23.59	23.93	23.86	28.60
Liquefied petroleum gas (LPG)	mm tonnes	3.52	3.61	3.66	3.57	3.55
Oil products	mm tonnes	48.90	51.40	50.85	49.39	51.50
Processing/refining of third-party hydrocarbons (under tolling arrangements) at Gazprom Group						
Processing of natural gas	bcm	9.15	9.55	9.11	8.99	8.18
* Calculated based on data provided by the Russian Ministry of Energy and PJSC Gazprom.						

* Calculated based on data provided by the Russian Ministry of Energy and PJSC Gazprom.

Hydrocarbon refining/processing and key refined and processed products produced by Gazprom Group's downstream facilities in Russia

	Astrakhan GPP	Orenburg GPP	Sosnogorsk GPP	Orenburg Helium Plant	Urengoy Condensate Pre-transportation Preparation Plant	Surgut Condensate Stabilisation Plant	Anur GPP*	Methanol Plant	Yuzhno-Priobskiy GPP**	Omsk Refinery	Moscow Refinery	Slavneft-YANOS**	Gazprom neftekhim Salavat's refinery
Natural and associated gas processing	■	■	■	■			■	■	■				
Primary oil refining and primary processing of stable gas condensate	■				■	■				■	■	■	■
Processing (purification and stabilisation) of unstable gas condensate	■	■	■		■	■							
Production of refined and processed products													
Stable gas condensate and oil	■	■	■		■	■							
Dry gas	■	■	■	■			■		■				
LPG	■	■	■	■	■	■	■			■	■		
Sulphur	■	■								■	■	■	■
Helium				■			■						
NGLs	■	■		■	■	■			■				
Ethane fraction				■			■						
Odorant		■											

Operational Results

Processing/refining

	Astrakhan GPP	Orenburg GPP	Sosnogorsk GPP	Orenburg Helium Plant	Urengoy Condensate Pre-transportation Preparation Plant	Surgut Condensate Stabilisation Plant	Amur GPP*	Methanol Plant	Yuzhno-Priobskiy GPP**	Omsk Refinery	Moscow Refinery	Slavneft-YANOS**	Gazprom neftekhim Salavat's refinery
Methanol			■		■	■		■					
Oil products													
Motor gasoline	■					■				■	■	■	■
Diesel fuel	■				■	■				■	■	■	■
Jet fuel					■	■				■	■	■	
Heating oil	■									■	■	■	■
Marine fuel										■	■		■
Bitumens										■	■		■
Oils										■		■	
* The project is underway. Marketable products are listed in line with the project.													
** Gazprom Group has access to 50% of capacity.													
Note. Data as at 31 December 2021.													

Power Generation

	Unit of measurement	As at and for the year ended 31 December				
		2017	2018	2019	2020	2021
Gazprom Group's electrical capacity	MW	40,196	39,951	40,190	38,792	37,717
Electricity generation by Gazprom Group	bn kWh	156.55	153.19	149.13	132.26	147.54
Gazprom Group's heat capacity	Gcal/h	70,967	70,785	78,675	76,734	79,396
Heat generation by Gazprom Group	mm Gcal	127.34	131.25	134.29	130.13	150.93
Proportion of Russia's total electricity generation*	%	14.8%	14.1%	13.7%	12.5%	13.2%

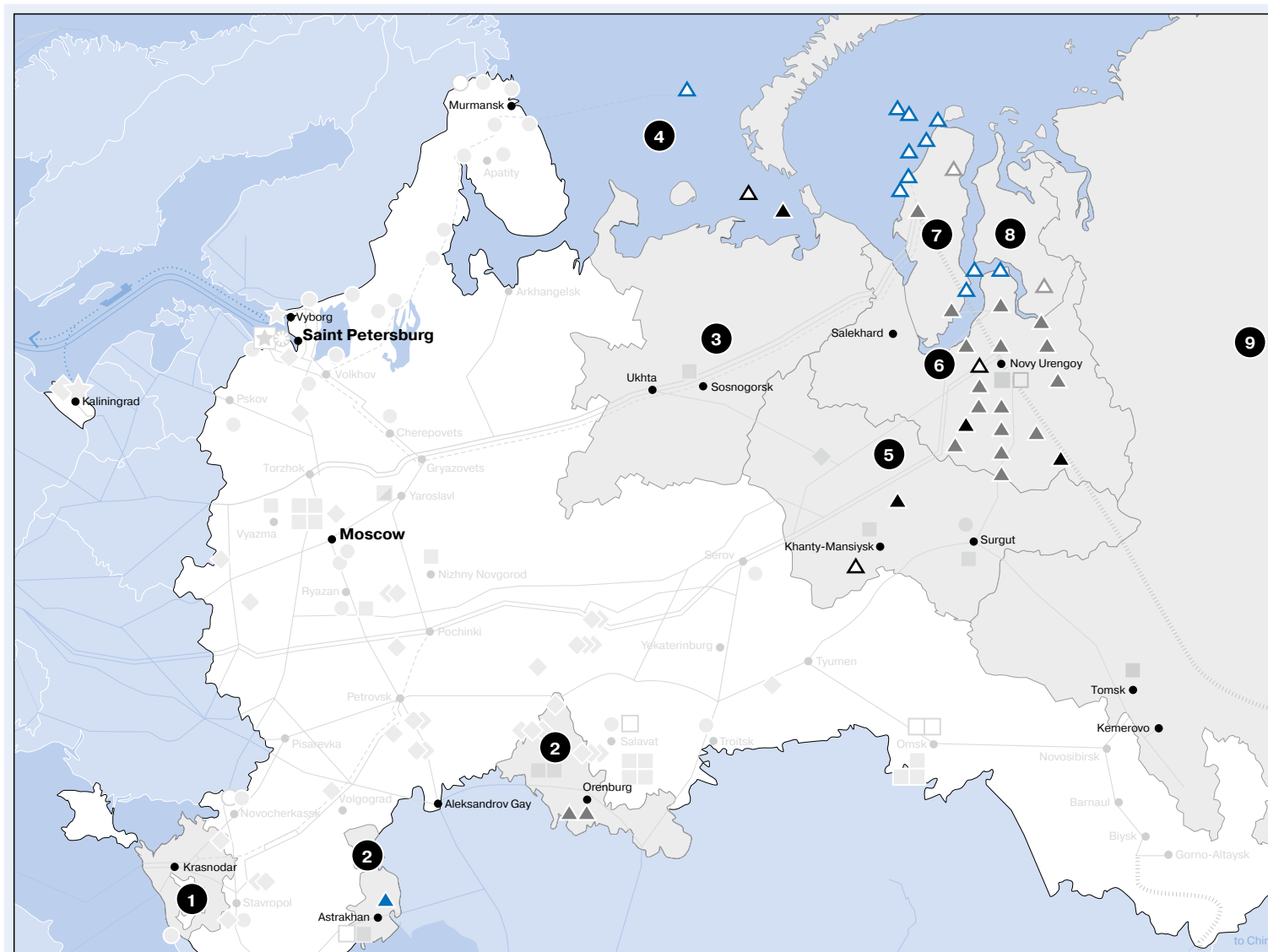
* Calculated based on data provided by the System Operator of the Unified Energy System of Russia and PJSC Gazprom.

Note. Starting from 2019, generating capacity and electricity and heat generation data include the data of AO Gazprom teploenergo's subsidiaries, which were not previously included in Gazprom Group's metrics. Due to their insignificance, financial results of Gazprom teploenergo's subsidiaries are not included in Gazprom Group's IFRS consolidated financial statements.

Geography of Gazprom Group's Operations in Russia

(for 2021 or as at 31 december 2021)

Exploration and production

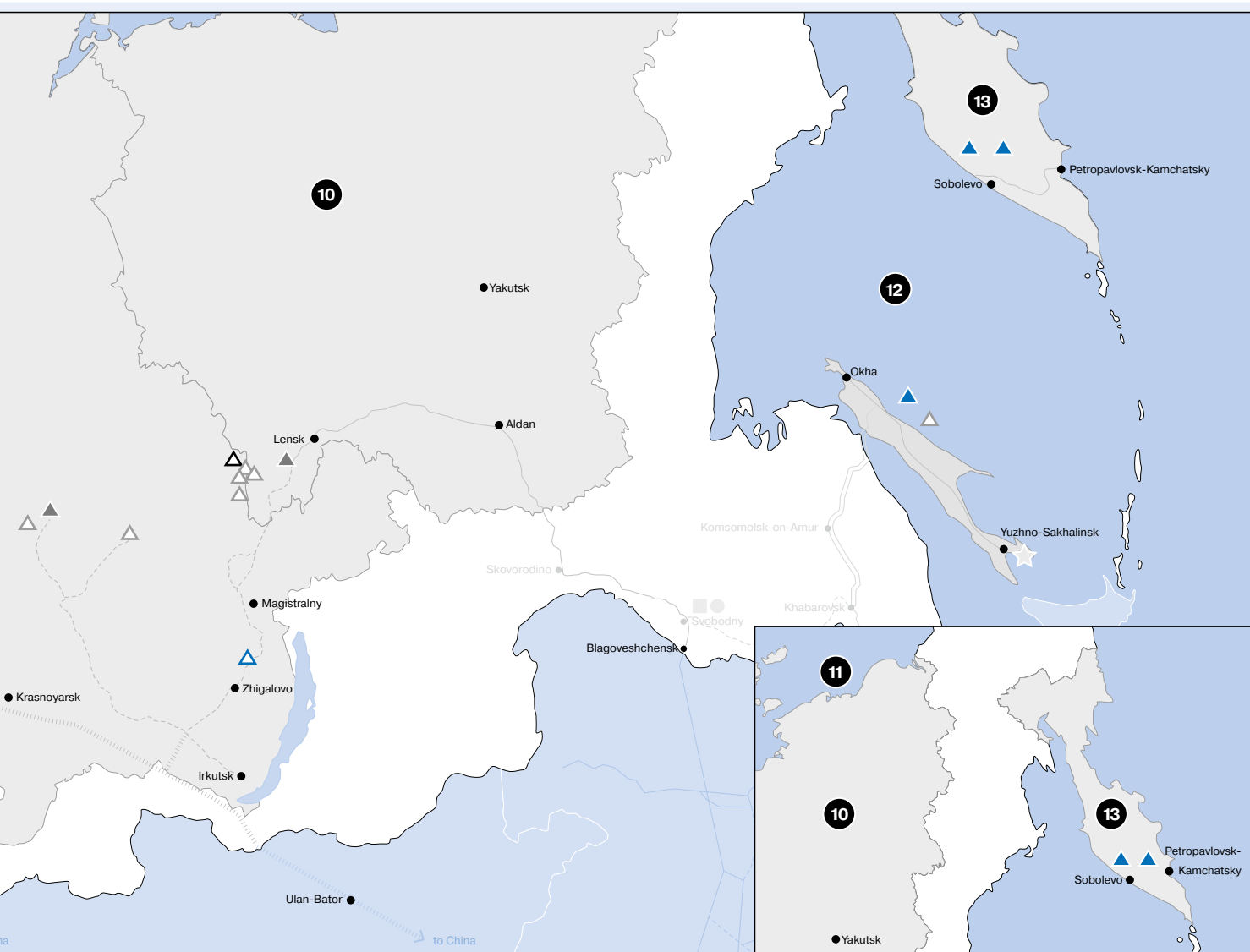


Fields developed

- ▲ Gas and condensate
- ▲ Oil and gas, oil and gas condensate
- ▲ Oil

Fields explored

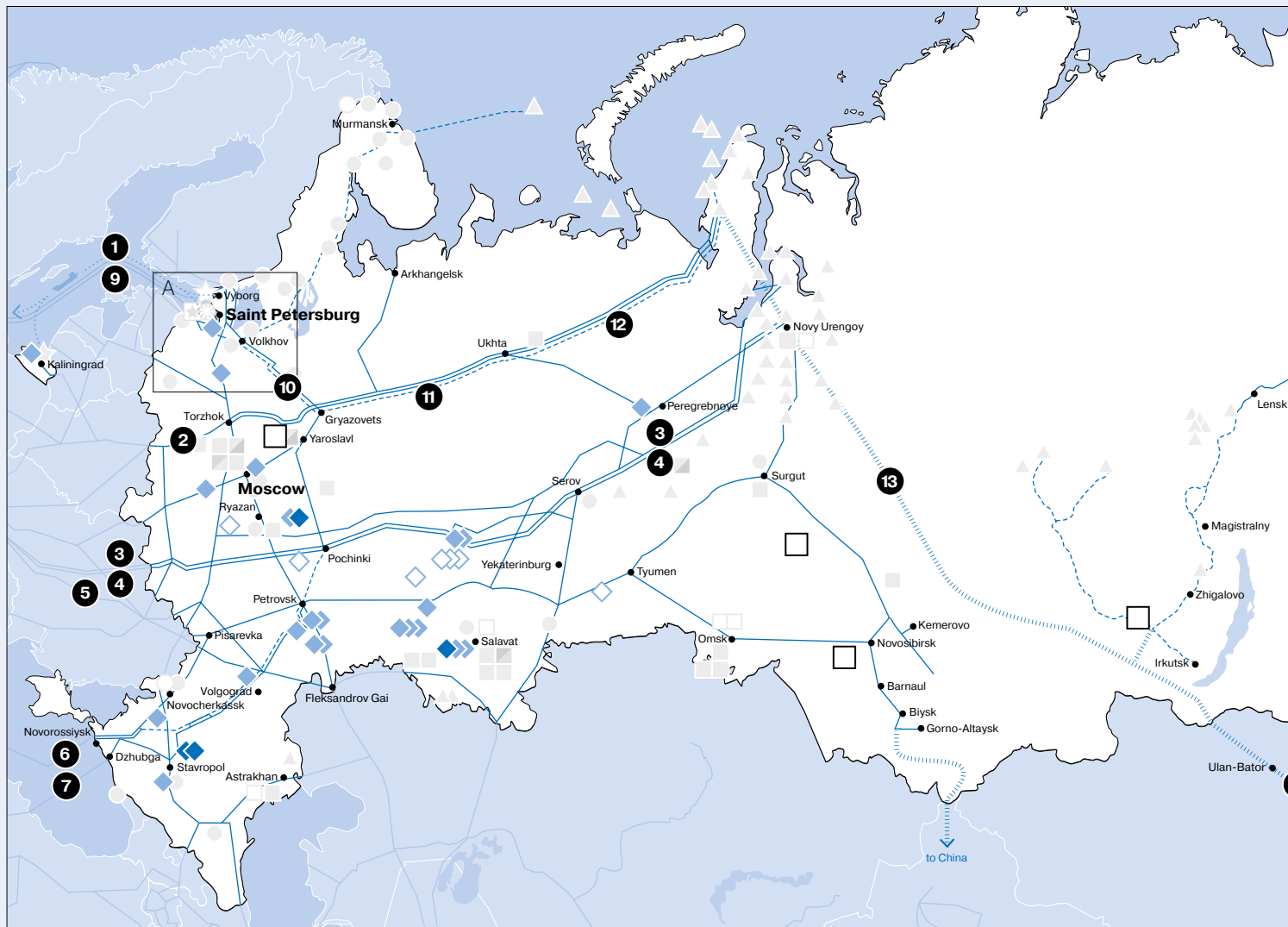
- △ Gas and condensate
- △ Oil and gas, oil and gas condensate
- △ Oil



Areas of exploration for hydrocarbons

1	Krasnodar Territory	7	Yamal Peninsula
2	Astrakhan and Orenburg Regions	8	Gydan Peninsula
3	Komi Republic and Nenets Autonomous Area	9	Krasnoyarsk Territory, Irkutsk, Tomsk and Kemerovo Regions
4	Russian continental shelf in the Kara Sea, the Barents Sea and the Pechora Sea	10	Republic of Sakha (Yakutia)
5	Khanty-Mansi Autonomous Area – Yugra	11	Russian continental shelf in the East Siberian Sea and the Chukchi Sea
6	North of the Taz Peninsula, Ob Bay, Taz Estuary, Nadym-Pur-Taz region	12	Russian continental shelf in the Sea of Okhotsk
		13	Kamchatka Peninsula

Transportation and underground storage



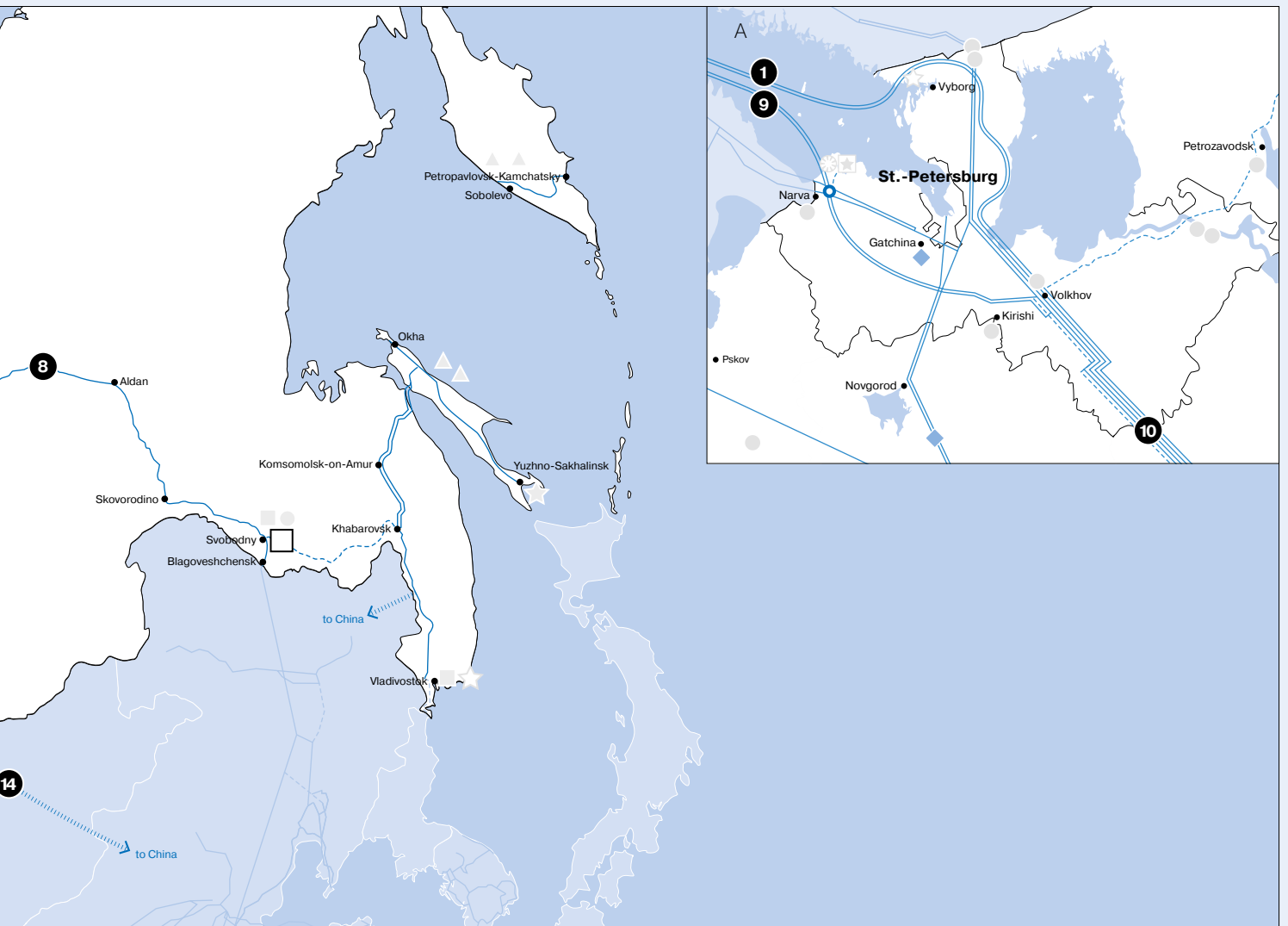
Major gas trunklines

- Constructed and active gas pipelines
- - - Gas pipelines under construction and projected gas pipelines
- Projected supply routes
- Areas explored for the construction of UGSFs

UGSFs

- ◆ Active facilities with a working gas capacity over 5 bcm
- ◊ Active facilities with a working gas capacity below 5 bcm
- ◇ Facilities under construction and projected facilities

* The Nord Stream 2 project is technically ready to be brought online as both pipeline strings were completed and filled with gas in 2021.



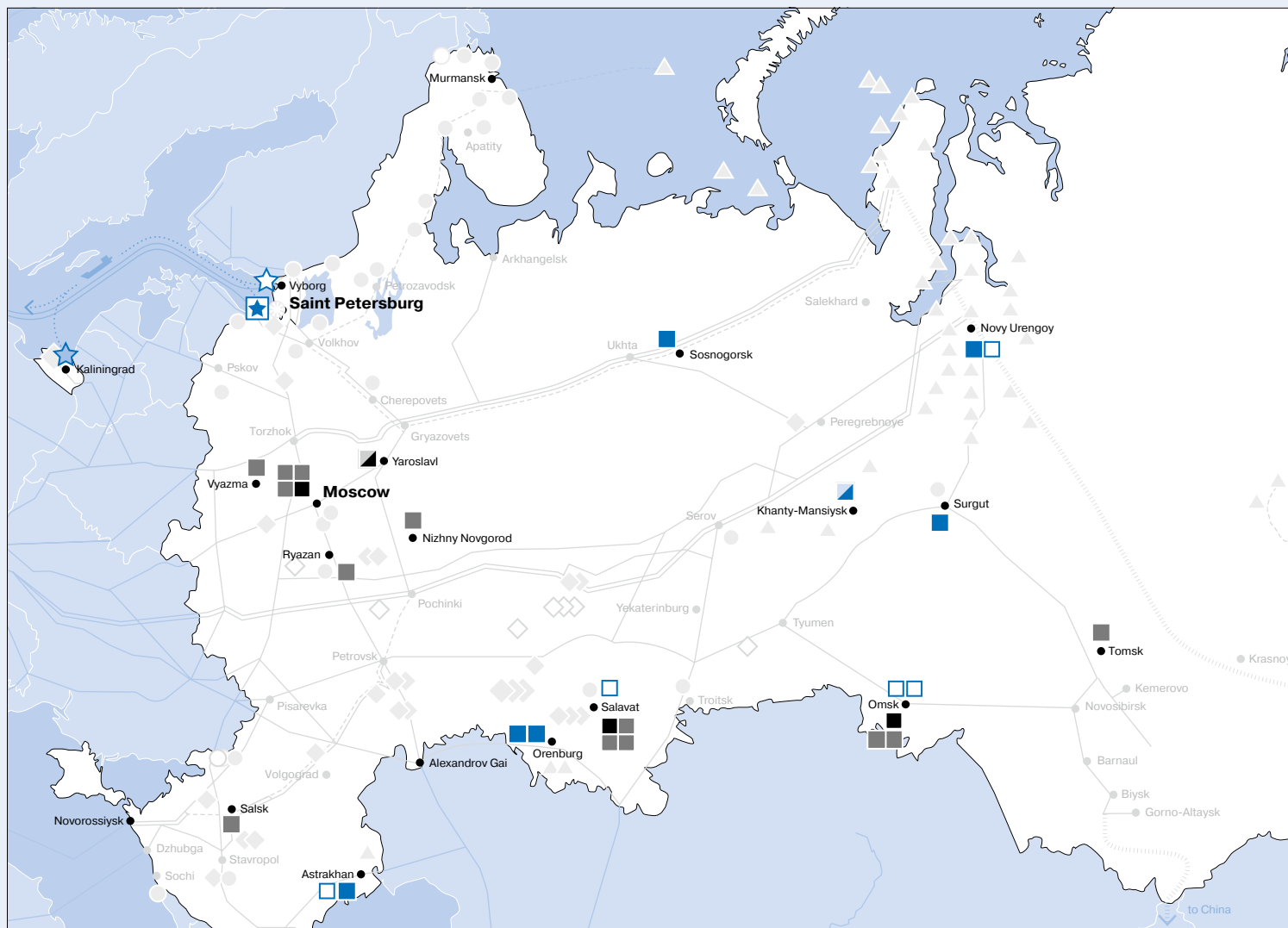
Key gas export routes

- 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 GTS revamp projects to supply ethane-rich gas from the Nadym-Pur-Taz region's fields to the Baltic Sea coast
- 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 Mongolia)

Refining/processing, gas chemicals and petrochemicals, LNG production and regasification

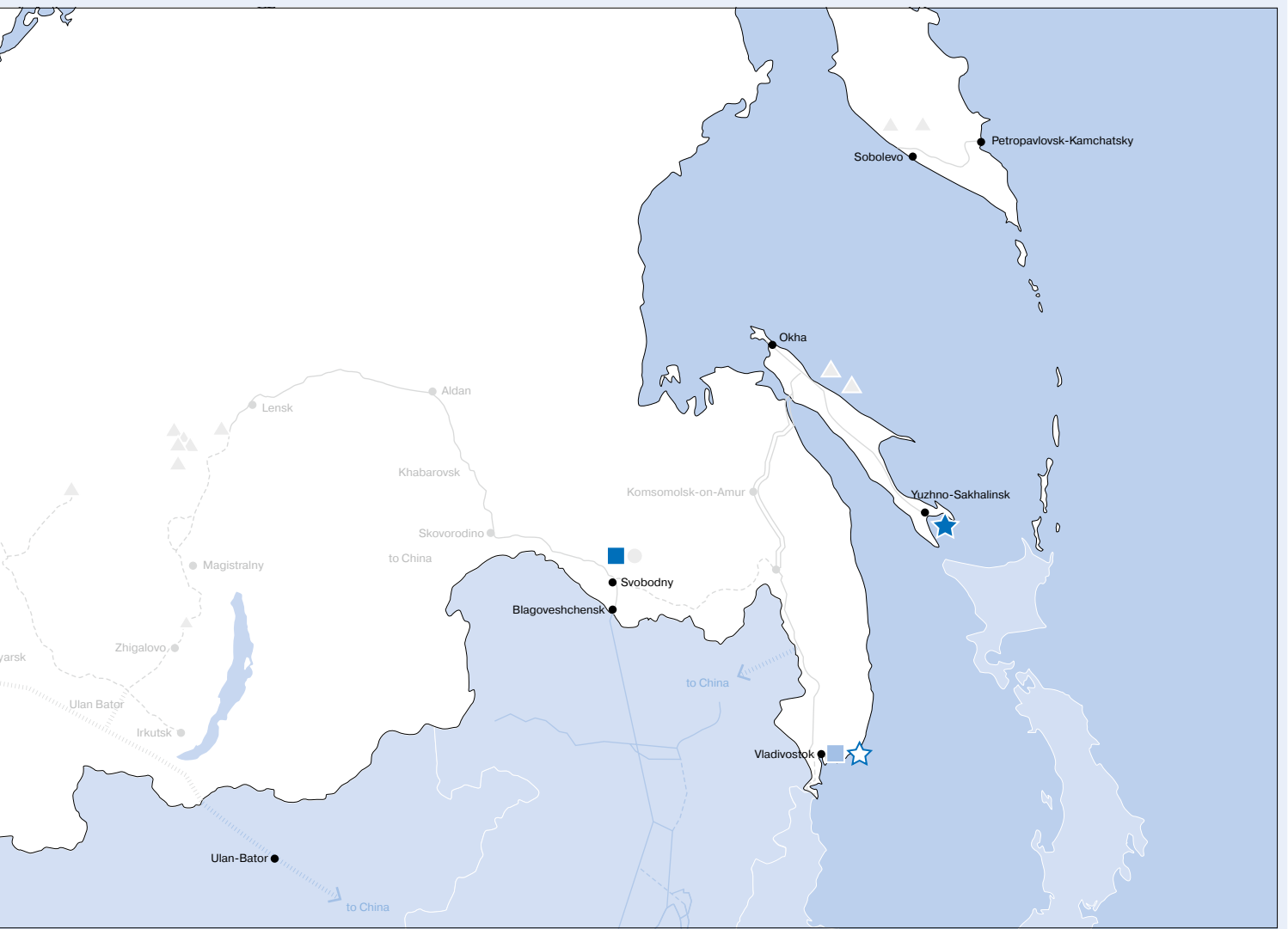


Active facilities

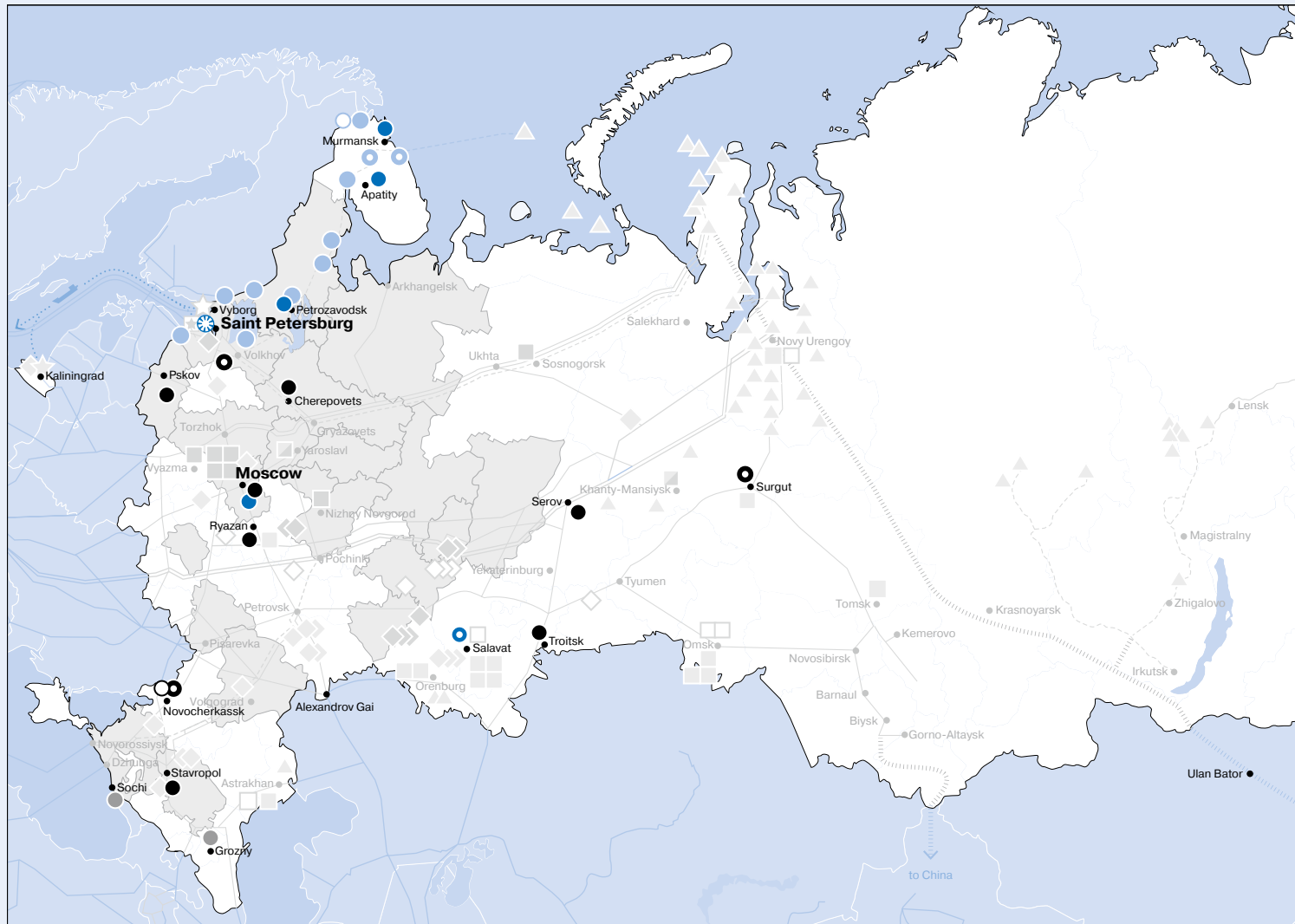
	GPP
	Refineries
	Gas chemical and petrochemical facilities
	Gazprom Group's access to GPP capacity
	Gazprom Group's access to refinery capacity
	Logistics hub to service helium tank containers for liquid helium transportation, with a liquefaction unit
	LNG plant
	LNG regasification terminal

Projects

	Integrated gas processing and liquefaction project
	Refining/processing, gas chemical and petrochemical projects
	LNG plant project



Power generation

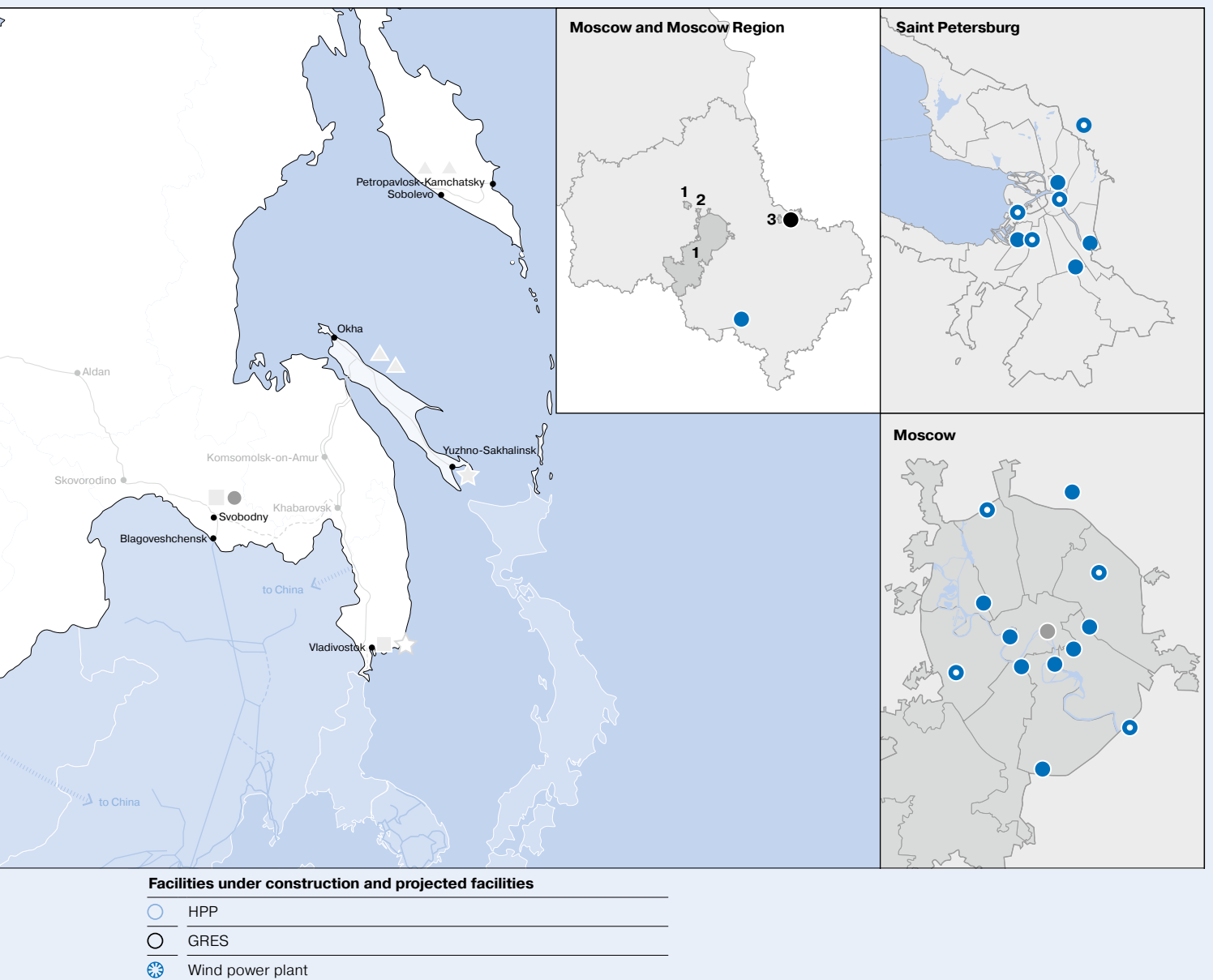


Active facilities

- CHPP
- HPP
- GRES
- TPP
- Heat supply area of PAO MIPC and its subsidiary
OOO TSK Mosenergo in Moscow and the Moscow Region
- 1** Moscow
- 2** Khimki (Moscow Region)
- 3** Elektrogorsk (Moscow Region)
- Regions where the heat supply facilities of AO Gazprom teploenergo
and its subsidiaries are located

Facilities to be upgraded

- CHPP
- HPP
- GRES



Marketing

Gas sales, RUB million (net of VAT, excise tax and customs duties)

	For the year ended 31 December				
	2017	2018	2019	2020	2021
Russia	875,685	954,493	970,913	940,155	1,080,256
Far abroad countries	2,221,217	2,951,215	2,490,372	1,811,636	4,172,400
FSU countries	292,777	348,625	356,102	295,254	393,840
Retroactive gas price adjustments	-49,092	49,338	-16,657	2,294	9,537
Total	3,340,587	4,303,671	3,800,730	3,049,339	5,656,033

Average gas sales price, RUB per mcm (net of VAT, including excise tax and customs duties)

	For the year ended 31 December				
	2017	2018	2019	2020	2021
Russia	3,808.3	3,981.3	4,118.2	4,176.9	4,369.3
Far abroad countries	11,670.5	15,499.5	13,613.0	10,355.9	23,187.2
FSU countries	9,237.0	10,225.9	10,175.9	9,899.8	13,328.4

Gazprom Group's gas sales volumes, bcm

	For the year ended 31 December				
	2017	2018	2019	2020	2021
Russia	229.9	239.7	235.8	225.1	247.2
Far abroad countries	242.0	243.3	232.4	219.0	227.9
FSU countries	35.0	38.1	38.7	31.2	33.1
Total	506.9	521.1	506.9	475.3	508.2

Note. Excluding intra-group sales.

Sales of crude oil and gas condensate, RUB million (net of VAT and customs duties)

	For the year ended 31 December				
	2017	2018	2019	2020	2021
Russia	71,434	64,645	62,173	47,647	129,662
Far abroad countries	438,754	631,560	648,752	420,989	713,873
FSU countries	29,770	38,748	41,865	18,713	38,613
Total	539,958	734,953	752,790	487,349	882,148

Marketing

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

	For the year ended 31 December				
	2017	2018	2019	2020	2021
Russia	4.26	2.66	2.62	2.89	3.91
Far abroad countries	21.61	21.15	22.78	20.11	20.16
FSU countries	1.71	1.74	1.71	1.12	1.28
Total	27.59	25.55	27.11	24.12	25.35

Note. Excluding intra-group sales.

Sales of refined and processed products, RUB million (net of VAT, excise tax and customs duties)

	For the year ended 31 December				
	2017	2018	2019	2020	2021
Russia	1,115,125	1,394,137	1,355,139	1,221,857	1,673,834
Far abroad countries	454,330	640,977	629,731	469,373	762,821
FSU countries	117,635	144,658	126,311	107,166	158,529
Total	1,687,090	2,179,772	2,111,181	1,798,396	2,595,184

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

	For the year ended 31 December				
	2017	2018	2019	2020	2021
Russia	40.83	43.18	43.12	40.04	43.65
Far abroad countries	20.85	21.31	23.51	23.19	20.05
FSU countries	4.28	4.37	3.55	3.40	4.03
Total	65.96	68.86	70.18	66.63	67.73

Note. Excluding intra-group sales.

Sales volumes of helium by Gazprom Group

	Unit of measurement	For the year ended 31 December				
		2017	2018	2019	2020	2021
Gaseous helium	mmcm	3.32	3.42	3.63	3.61	3.35
Liquid helium	tonne	289.56	260.08	214.56	142.11	127.22

Note. Excluding intra-group sales.

Electricity and heat energy sales, RUB million
(net of VAT)

	For the year ended 31 December				
	2017	2018	2019	2020	2021
Russia	487,283	501,362	495,581	467,689	554,111
Far abroad countries	13,599	15,643	19,447	27,581	41,336
FSU countries	2,937	5,090	3,345	4,199	31
Total	503,819	522,095	518,373	499,469	595,478

Environmental Protection and Energy Saving

Key metrics for Gazprom Group's* environmental impact in Russia

	Unit of measurement	For the year ended 31 December				
		2017	2018	2019	2020	2021
Air pollutant emissions	thousand tonnes	2,795.9	2,894.0	2,862.7	2,445.7	2,506.3
incl.						
carbon oxide		529.9	594.1	596.4	550.7	642.1
nitrogen oxides		313.6	328.6	307.7	284.2	341.6
sulphur dioxide		262.7	276.2	221.5	172.0	169.7
hydrocarbons**		1,495.7	1,497.8	1,542.6	1,266.4	1,193.5
GHG emissions (Scope 1)	mm tonnes of CO ₂ equivalent	233.8	240.0	236.5	210.3	243.3
Wastewater discharge into surface water bodies	mmcm	3,905.3	3,658.4	3,241.8	2,610.8	3,225.4
incl. clean and treated as per standards		3,781.7	3,579.5	3,152.7	2,533.7	3,125.4
Waste generation	thousand tonnes	4,130.3	3,555.1	3,337.1	3,229.8	3,046.6
Area of land disturbed during the year	thousand ha	42.2	25.8	22.9	23.8	19.8
Area of rehabilitated land	thousand ha	19.6	15.8	17.7	15.8	17.2

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

Gazprom Group's Scope 1* greenhouse gas emissions in Russia, mm tonnes of CO₂ equivalent

	For the year ended 31 December				
	2017	2018	2019	2020	2021
Gazprom Group's gas business companies**	118.6	125.4	125.4	106.3	124.7
Gazprom energoholding and other companies of Gazprom Group's power generation business***	96.2	94.1	89.0	81.3	93.7
Gazprom Neft	13.3	14.3	16.0	16.7	18.7
Gazprom neftekhim Salavat	5.7	6.2	6.0	6.0	6.2
Total	233.8	240.0	236.5	210.3	243.3

* Direct greenhouse gas emissions (Scope 1) resulting from the business activities of the reporting organisation.
 ** Including data for the associated Sakhalin Energy Investment Company Ltd. and the joint venture of OOO Gazprom gazomotornoye toplivo.
 *** 2020–2021 include the data of AO Gazprom teploenergo and its subsidiaries.

Gazprom Group's specific greenhouse gas emissions (Scope 1) in Russia, kg of CO₂ equivalent per toe of products sold

	For the year ended 31 December				
	2017	2018	2019	2020	2021
Gazprom Group's gas business companies*	252	259	259	239	253
Gazprom energoholding and other companies of Gazprom Group's power generation business**	3,982	3,757	3,736	3,490	3,552
Gazprom Neft	164	203	218	218	220

* Including data for the associated Sakhalin Energy Investment Company Ltd. and the joint venture of OOO Gazprom gazomotornoye toplivo.
 ** 2020–2021 include the data of AO Gazprom teploenergo and its subsidiaries.

**Gazprom Group's greenhouse gas emissions (Scope 1) in Russia
by type of greenhouse gas, mm tonnes of CO₂ equivalent**

	For the year ended 31 December				
	2017	2018	2019	2020	2021
Gazprom Group					
CO ₂ (carbon dioxide)	200.3	207.1	203.3	184.0	217.7
CH ₄ (methane)*	33.5	32.9	33.2	26.3	25.6
Total	233.8	240.0	236.5	210.3	243.3
Incl. Gazprom Group's gas business companies**					
CO ₂ (carbon dioxide)	85.1	92.5	92.1	80.4	99.8
CH ₄ (methane)*	33.5	32.9	33.2	25.9	24.9
Total	118.6	125.4	125.3	106.3	124.7

* To estimate fossil methane (CH₄) emissions expressed as CO₂ equivalent, a conversion factor of 25 is applied.

** Including data for the associated Sakhalin Energy Investment Company Ltd. and the joint venture of OOO Gazprom gazomotornoye toplivo.

Gazprom Group's greenhouse gas emissions (Scope 2)* in Russia, mm tonnes of CO₂ equivalent

	For the year ended 31 December				
	2017	2018	2019	2020	2021
PJSC Gazprom and its subsidiaries**	8.0	8.2	6.1	4.8	4.7
Gazprom energoholding and other companies of Gazprom Group's power generation business***	–	–	–	–	–
Gazprom Neft	6.6	4.5	5.2	4.4	5.1
Gazprom neftekhim Salavat	x	2.6	2.5	2.6	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.

** Wholly-owned subsidiaries of PJSC Gazprom engaged in gas exploration, production, transportation, and underground storage, hydrocarbon processing/refining in Russia, as well as in the operation of Russia's UGSS. Including data for the joint venture of OOO Gazprom gazomotornoye toplivo.

*** 2020–2021 include the data of AO Gazprom teploenergo and its subsidiaries.

Gazprom Group's greenhouse gas emissions (Scope 3)* by type of products sold, mm tonnes of CO₂ equivalent

	For the year ended 31 December				
	2017	2018	2019	2020	2021
Natural gas	930.1	956.2	930.1	872.1	932.5
Oil and gas condensate	84.9	78.6	83.8	74.2	78.0
Other energy products	129.1	138.2	140.6	132.2	140.3
Total	1,144.1	1,173.0	1,154.5	1,078.5	1,150.8

* 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) from Gazprom Group's products sold

	For the year ended 31 December				
	2017	2018	2019	2020	2021
kg of CO ₂ equivalent per boe of products sold	300.9	300.6	301.6	301.4	301.2

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

	For the year ended 31 December				
	2017	2018	2019	2020	2021
Current environmental protection costs	18,219.8	22,638.0	14,964.6	13,979.4	14,765.7
Environmental protection service fees	14,495.6	14,584.1	15,601.9	18,980.3	20,079.4
Costs of overhauling fixed assets employed in environmental protection	1,752.6	1,932.2	1,613.7	1,481.0	1,458.2
Negative environmental impact charges	768.0	615.8	617.7	693.1	710.6
Capital expenditures for environmental protection and sustainable use of natural resources	35,584.5	29,188.6	20,421.3	13,987.2	60,529.6
Total	70,820.5	68,958.7	53,219.2	49,121.0	97,543.5

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

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

	Unit of measurement	For the year ended 31 December				
		2017	2018	2019	2020	2021
Natural gas	mmcm	3,013.5	2,951.9	3,286.9	3,273.8	4,009.0
Electricity	mm kWh	331.4	364.3	330.5	305.9	377.8
Heat	thousand Gcal	268.4	235.9	252.7	251.9	185.8
Motor fuel and lubricants	thousand t c.e.	x	x	x	x	17.0
Total	thousand t c.e.	3,626.7	3,561.6	3,939.9	3,916.6	4,799.1

Occupational Safety

Occupational safety at Gazprom Group entities covered by the UOHSMS

	For the year ended 31 December				
	2017	2018	2019	2020	2021
Industrial safety incidents at hazardous production facilities	26	16	10	14	12
Fires at protected facilities	4	3	2	6	6
Number of people injured in accidents	61	89	47	39	42
Number of people killed in accidents	6	3	7	5	5
Lost time injury frequency rate (LTIFR)*	0.11	0.17	0.09	0.08	0.08
Fatal accident rate (FAR)*	1.17	0.57	1.35	0.97	0.99

* For calculation formulas, see the Glossary of Key Terms and Abbreviations section.

Occupational safety at Gazprom Group entities not covered by the UOHSMS

	For the year ended 31 December				
	2017	2018	2019	2020	2021
Gazprom neftekhim Salavat					
Industrial safety incidents at hazardous production facilities	1	9	2	1	2
Number of people injured in accidents	2	–	2	–	2
Lost time injury frequency rate (LTIFR)*	0.14	–	0.13	–	0.07
Fatal accident rate (FAR)*	6.97	–	–	–	12.96
Gazprom Neft					
Industrial safety incidents at hazardous production facilities	2,183	1,069	920	600	54
Number of people injured in accidents	74	85	68	75	39
Lost time injury frequency rate (LTIFR)*	0.60	0.64	0.50	0.54	0.36
Fatal accident rate (FAR)*	3.08	0.74	1.46	–	3.80
Gazprom energoholding and other companies of Gazprom Group's power generation business**					
Industrial safety incidents at hazardous production facilities	129	99	71	56	60
Number of people injured in accidents	16	18	8	5	3
Lost time injury frequency rate (LTIFR)*	0.25	0.28	0.12	0.08	0.05
Fatal accident rate (FAR)*	1.57	–	–	–	–

* For calculation formulas, see the Glossary of Key Terms and Abbreviations section.

** 2021 include the data of AO Gazprom teploenergo and its subsidiaries.

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				
		2017	2018	2019	2020	2021
Total number of patents held by PJSC Gazprom and its subsidiaries	unit	2,365	2,555	2,674	2,786	2,901
incl. those used in operations		427	441	459	516	576
Economic effect from the use of patented items in operations	RUB billion	8.0	10.3	14.5	5.2	3.4

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

		For the year ended 31 December				
		2017	2018	2019	2020	2021
Total spending on R&D projects commissioned by Gazprom Group (net of VAT)		8.2	9.0	12.1	21.4	24.6

Employees

Gazprom Group's workforce breakdown

	As at 31 December				
	2017	2018	2019	2020	2021
The Group's headcount, thousand people					
PJSC Gazprom	26.2	26.7	27.1	27.3	27.6
Gas production, transportation, processing, and underground storage subsidiaries	235.6	232.9	234.9	234.1	234.1
Gazprom Neft	67.6	68.5	72.7	77.4	79.7
Gazprom energoholding	44.2	43.3	45.7	44.0	45.5
Gazprom neftekhim Salavat	16.3	15.2	14.7	14.0	14.2
Other subsidiaries and entities	79.7	79.5	78.7	80.8	78.1
Total	469.6	466.1	473.8	477.6	479.2
incl. by category:					
managers	13.9%	14.2%	14.4%	14.2%	14.3%
white-collar employees	31.5%	32.4%	33.0%	33.4%	34.2%
blue-collar employees	54.6%	53.4%	52.6%	52.4%	51.5%
incl. by age:					
under 30	15.3%	14.4%	13.4%	12.6%	11.8%
30 to 50	59.9%	61.4%	62.1%	62.6%	62.6%
50 and above	24.8%	24.2%	24.5%	24.8%	25.6%
Note. Excluding entities in which Gazprom has investments classified as joint operations.					

Reference Information

Conversion Ratios and Conventions

Conversion ratios

Unit of measurement	Equivalent
1 mcm of natural gas	6.49 boe
1 tonne of oil	7.33 boe
1 tonne of gas condensate	8.18 boe

Conventions

Sign	Meaning
x	Data unavailable
–	Not observed
0.0	Less than 0.05
0.00	Less than 0.005

Calculation of Adjusted Financial Statement Figures and Financial Ratios

Indicator	Description
Adjusted financial statement figures	
Profit for the year attributable to owners of PJSC Gazprom (adjusted)	Profit for the year attributable to the owners of PJSC Gazprom, adjusted for: <ul style="list-style-type: none"> – foreign exchange gain (loss) included in finance income and expense – foreign exchange rate differences on operating items – impairment loss (reversal of impairment loss) on property, plant and equipment and assets under construction – 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.
Net debt (adjusted)	Net debt adjusted for deposits included in other current and other non-current assets
Statement of cash flows figure	
Self-financing ratio	Ratio of net cash from operating activities to capital expenditures (figures derived from the statement of cash flows)
Return ratios	
Return on operating profit	Ratio of operating profit to sales
Return on adjusted EBITDA	Ratio of adjusted EBITDA to sales
Return on profit for the year	Ratio of profit for the year to sales
Return on assets (ROA)	Ratio of profit for the year to the average value of assets as at the beginning and the end of the period
Return on equity (ROE)	Ratio of profit for the year to the average value of equity (including non-controlling interest) as at the beginning and end of the period
Liquidity ratios	
Current liquidity ratio	Ratio of current assets to current liabilities
Quick liquidity ratio	Ratio of current assets less inventories to current liabilities
Other ratios	
EV/EBITDA ratio	Ratio of enterprise value (calculated as the sum of market capitalisation and net debt) as at the end of the period to adjusted EBITDA for the period
P/E ratio	Ratio of share price as at the end of the period to earnings per share attributable to the owners of PJSC Gazprom, for the respective period
P/S ratio	Ratio of market capitalisation as at the end of the period to revenue from sales for the respective period

Glossary of Key Terms and Abbreviations

Terms and abbreviations	Description
A+B ₁ +C ₁ hydrocarbon reserves	Explored reserves estimated under the Russian Classification of Reserves and Resources with high geological certainty (recovery factors for oil, gas and condensate reserves are determined based on field geology with account for existing technologies)
ADR of PJSC Gazprom	American depositary receipt issued for PJSC Gazprom shares
AO	Joint stock company
APG	Associated petroleum gas
Average daily production	A value calculated based on the number of calendar days per year
bcm	Billion cubic metres
bn	Billion
boe	Barrel of oil equivalent
CHPP	Combined heat and power plant
Conventional fuel (coal equivalent), c.e.	A unit of energy used to compare different types of fuel
cubic metre	One cubic metre of natural gas at a pressure of 1 atm and a temperature of 20 °C
Entities covered by the UOHSMS	PJSC Gazprom, its major gas and condensate exploration, production, processing, transportation, and underground storage subsidiaries, as well as subsidiaries supporting the operation of the Russian UGSS
EUR	Single European currency
Far abroad countries	Foreign countries other than FSU countries, comprising the geographic segment Europe and Other Countries as defined in Gazprom Group's consolidated financial statements in accordance with IFRS
Fatal accident rate (FAR)	Fatalities / total hours worked by all employees × 100,000,000
FSU countries	Former Soviet Union republics, except for the Russian Federation, comprising the geographic segment Former Soviet Union Countries (excluding the Russian Federation) in Gazprom Group's consolidated financial statements in accordance with IFRS
Gazprom Group, the Group, Gazprom	An aggregate of entities which includes PJSC Gazprom (parent company) and its subsidiaries
Gcal	Gigacalorie
Gcal/h	Gigacalories per hour
GHG	Greenhouse gas
GPP	Gas and/or condensate processing plant
GRES	State district power station
GTS	Gas transportation system
ha	Hectare
HPP	Hydroelectric power plant
Hydrocarbon production volume	The volume of actually produced hydrocarbons, defined as the sum of the volume of actually produced hydrocarbons intended for sale and the volume of actually produced hydrocarbons consumed for own needs
IFRS	International Financial Reporting Standards
kg	Kilogram
km	Kilometre
kWh	Kilowatts hour
Lost time injury frequency rate (LTIFR)	Lost time injuries / total hours worked by all employees × 1,000,000
LPG	Liquefied petroleum gas
m	Metre
mcm	Thousand cubic metres
mm	Million

Reference Information

Glossary of Key Terms and Abbreviations

Terms and abbreviations	Description
mmcm	Million cubic metres
NGLs	Natural gas liquids
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 work-related health and injury hazards. Occupational safety comprises occupational health, industrial, fire, and road safety
OOO	Limited liability company
PAO	Public joint stock company
PJSC	Public joint stock company
R&D	Research and development
RUB	Russian rouble
Sales of hydrocarbons and refined and processed products by Gazprom Group	Volumes of gas, oil, gas condensate, and refined and processed products, both produced/manufactured by Gazprom and purchased from third parties, sold to consumers in the relevant sales market, excluding intra-group sales
toe	Tonne of oil equivalent
Tonne, t	Metric tonne
TPP	Thermal power plant
UGSF	Underground gas storage facility
UGSS	Unified Gas Supply System of Russia
UOHSMS	Unified Occupational Health and Safety Management System
USD	United States (US) dollar
VAT	Value added tax

