# ЕНИСЕЙСКАЯ СИБИРЬ

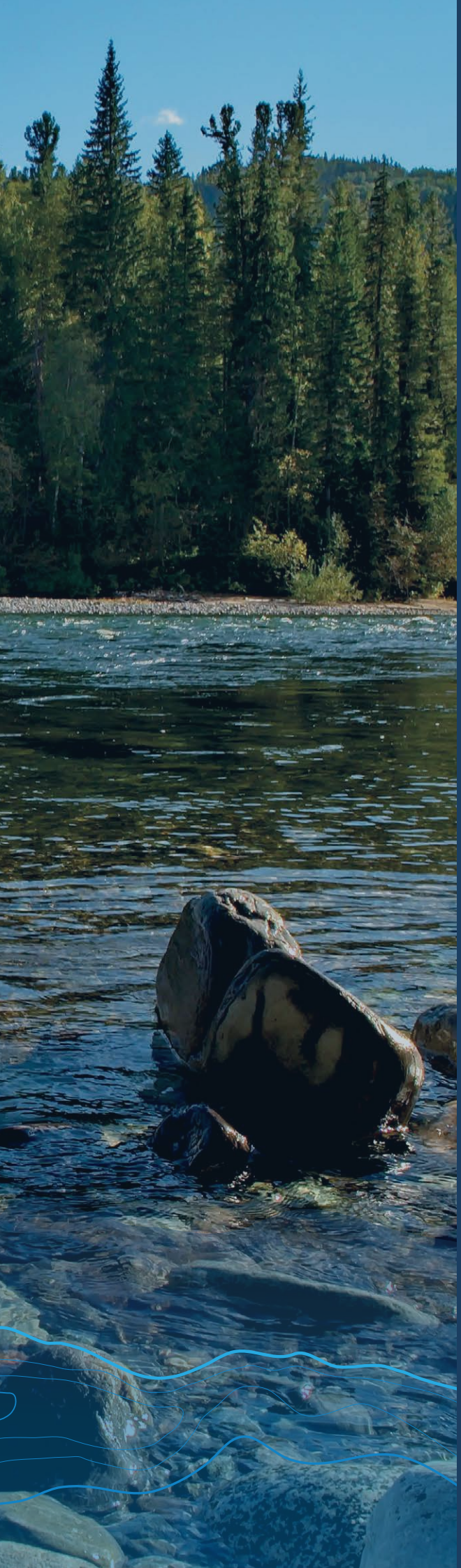
# YENISEY SIBERIA

КРАСНОЯРСКИЙ КРАЙ ХАКАСИЯ ТЫВА
KRASNOYARSK REGION KHAKASSIA TYVA



# INVESTMENT SUMMARY





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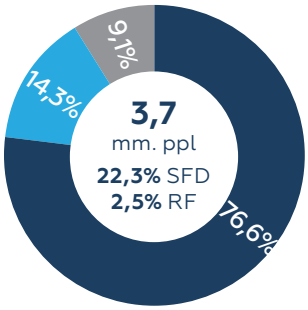
# YENISEY SIBERIA

**YENISEY SIBERIA** consists of the territories that are united by the common culture, history and nature. They have economic and infrastructural coherence that provide opportunities for comprehensive development aimed at improving the living standards and well-being of residents.

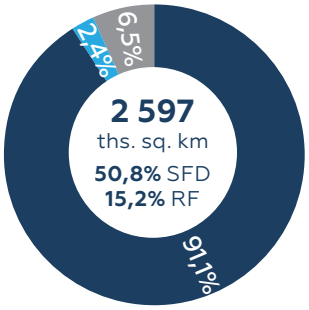



population**




** Rosstat data for 2023

land area




Krasnoyarsk Territory
Republic of Khakassia
Tyva Republic

## LARGEST CITIES*

| KRASNOYARSK | ABAKAN | KYZYL |
|---|---|---|
| **1,196.9** ths. ppl | **185.3** ths. ppl | **128.1** ths. ppl |

| NORILSK | ACHINSK |
|---|---|
| **175.5** ths. ppl | **101.4** ths.ppl |

## DISTANCE FROM KRASNOYARSK TO MOSCOW

**5 hours** (3 352 km)

**69 hours** (4 182 km)

**58 hours** (4 130 km)

*cities with a population of > 100 thousand people

**Rosstat data for 2023



## MIKHAIL KOTYUKOV

Acting Governor of Krasnoyarsk Region

The main objective of the comprehensive investment project "Yenisey Siberia" is to unleash the potential of three regions of Russia: Krasnoyarsk Region, the republics of Khakassia and Tyva, which have established traditional business and socio-cultural ties. This is an impetus for the development of the economy and new opportunities for people.

There are currently 40 projects in the CIP with an investment portfolio totaling over 3.08 trillion rubles. Most of them - 27 initiatives with a capital investment of 2.4 trillion rubles - are being implemented in Krasnoyarsk Region.

Many projects have already moved from the approval stage to implementation. Companies are developing deposits, equipping industrial sites, modernizing production, and building infrastructure facilities. All this contributes to the creation of new jobs, replenishment of budgets, and improving the quality of life of the population.



## VLADISLAV KHOVALYG

Head of the Tyva Republic

We regard this project as the basis for the advanced development of three Siberian regions. We associate our participation in this project with the expansion of trade and economic relations both with the Russian regions and with the eastern neighbours such as Mongolia and China, joining efforts to achieve a common big goal. Implementation of infrastructure and industrial projects of the Yenisey Siberia will revive the economy of our republic.



## VALENTIN KONOVALOV

Head of the Republic of Khakassia

The government of the republic considers the Yenisey Siberia project as a key one. The creation of jobs, the opening of new industrial facilities, and the development of transport infrastructure are very important for the Republic of Khakassia. This will allow attracting even more investments to develop the potential of the Republic of Khakassia. The ministers and I personally will make every effort to effectively implement this project.

# COMPETITIVE ADVANTAGE OF THE YENISEY SIBERIA REGIONS



### NATURAL RESOURCES

unique deposits of minerals, forest and water resources



### INVESTMENT DEMAND

opportunities for cooperation and integration into technological chains of the largest Russian financial and industrial groups



### FINISHED SITES

operating and being created PSEDA, SEZ and industrial parks with the necessary infrastructure



### PROFICIENT ENERGY

renewable energy sources are the largest in Russia and in the world Sayano-Shushenskaya and Krasnoyarskaya HPPs



### CONVENIENT LOGISTICS

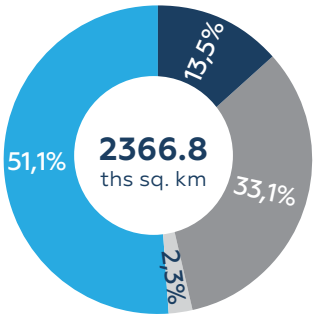
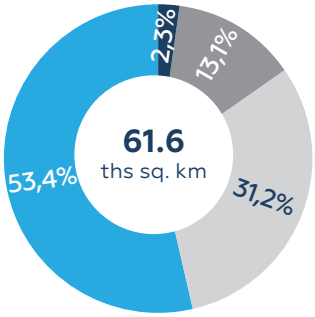
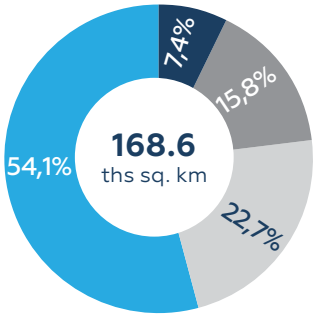
transit position at the intersection of railways and highways, inland waterways and cross-polar air routes



### LABOR RESOURCES

qualified engineering and scientific personnel

# GEOGRAPHICAL POSITION AND CLIMATE

| | Average monthly air temperature | Precipitation | NATURAL AREAS | LAND FUND |
|---|---|---|---|---|
| JANUARY | -22,8 °C | 13 mm | **Kransnoyarsk Territory**<br>Arctic / tundra / taiga / forest steppe and steppe |  |
| JULY | 16,8 °C | 33 mm | | |
| JANUARY | -20,1 °C | 7 mm | **Republic of Khakassia**<br>Semisteppe / steppe / forest steppe / taiga / highland alpine meadows / highland tundra and glaciers |  |
| JULY | 17,2 °C | 56 mm | | |
| JANUARY | -29,3 °C | 5 mm | **Tyva Republic**<br>Semi-desert / tundra / taiga / forest steppe and steppe |  |
| JULY | 20,1 °C | 54 mm | | |

# NATURAL RESOURCE POTENTIAL

## KRASNOYARSK TERRITORY

**Oil, gas**

**36** deposits, **3** of which are unique: Yurubcheno-Tokhomskoye, Kuyumbinskoye, Payakhskoye

**Coal**

114 sites and deposits: **77 bln. tons**

**Au, Ag**

**Gold, silver**

305 gold deposit: **2,9 ths tons**

25 silver deposit: **14,8 ths tons**

**Pt**

**Platinoid**

13 deposits: **16 ths tons**

**Cu**

**Copper**

9 deposits: **35,6 mln. tons**

## REPUBLIC OF KHAKASSIA

**Coal**

Minusinsk coal basin, 4 deposits: **9,1 bln. tons of coal**

**Iron ore**

8 deposits: **975 mln tons**

**Au**

**Gold**

73 deposits: **146 tons**

**Mo**

**Molybdenum**

3 deposits: **576 ths. tons**

**$BaSO_4$**

**Barite**

Tolcheinskoye and Kuten-Bulukskoye deposits: **2 mln. tons**

## TYVA REPUBLIC

**Au**

**Gold**

3 own, 2 complex and 35 placer deposits: **173 tons**

**Coal**

13 deposits: **4,1 bln. tonnes**

**Cu**

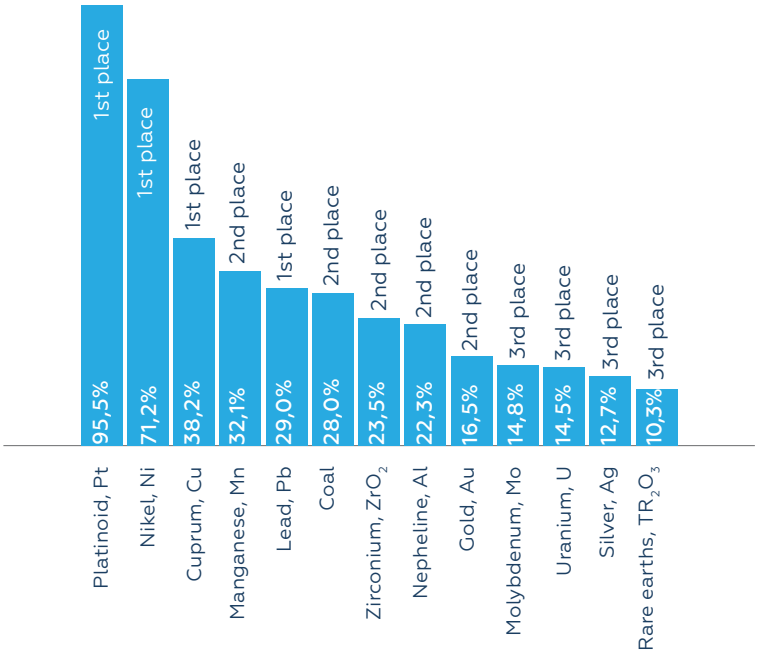
**Copper**

3 deposits: **5,5 mln. tons**

**Asbestos**

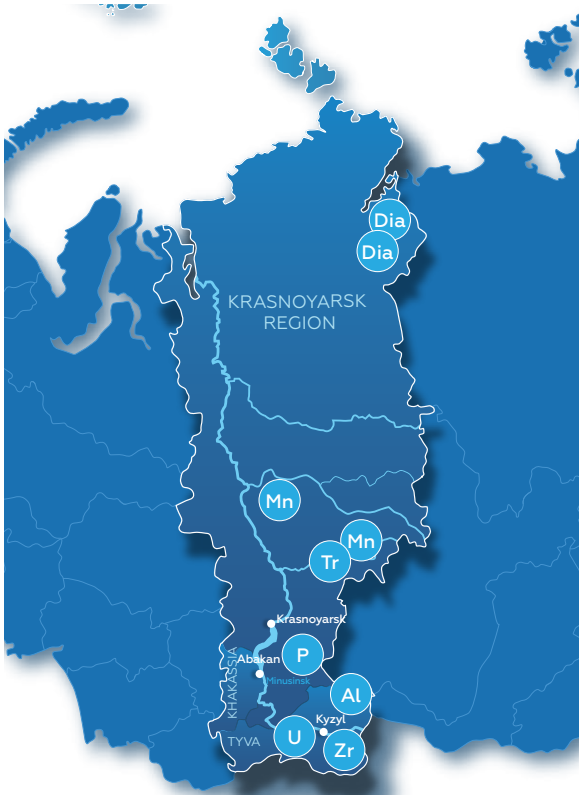
Aktovrakskoye deposit, off-balance reserves: **2,8 mln. tonnes**

## SHARE IN RUSSIAN EXPLORED RESERVES*




*place among regions of Russia

# UNALLOCATED SUBSOIL RESERVE FUND OF THE YENISEY SIBERIA




**KRASNOYARSK TERRITORY** – **112 deposits:**

- coal – 19 (3/4/12)***
- ferrous metals (Fe, Mn,Ti) – 20 (4/7/9)
- precious metals (Au, Ag, Pt) – 14 (1/4/9)
- nonferrous and rear metals (Ni, Co, Cu, Al, etc) – 14 (5/7/2)
- non-metal fossils (optical calcite, fluxing limestone, bauxite, phosphorite, magnezium carbonate, impact diamonds, rock salt and other) – 45 (20/10/15)

**REPUBLIC OF KHAKASSIA** – **52 deposits:**

- large - 12 (Au, Al, Mo, Fe, Ti, Ba, coal, non-metallic minerals (bauxite, phosphorite, apatite, limestone, abrasive, barite, rhodusite and others)
- medium - 15 (Fe, Co, non-metallic minerals)
- small - 25 (Au, Pb, Zn, Fe, non-metallic minerals

**TYVA REPUBLIC** – **36 deposits:**

- large – 8 (Ta, Nb, TR, Co, Ni, Cu, Bi, Ag, As, U, Zr, Hf, Li, Al, Ga, Rb, Sn, Be, coal)
- medium – 4 (Au, Hg, coal)
- small – 24 (Au alluvious, coal, non-metals)

*** large/medium/small

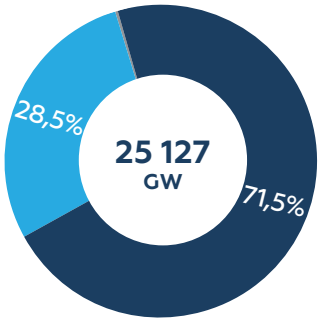
## BIGGEST MINERAL DEPOSITS

| | Deposit (RF entity) | Geological industrial type | Reserves, mln t | | Share in RF reserves, % | Content in ore, % |
|---|---|---|---|---|---|---|
| | | | A+B+C | C2 | | |
| Mn | Chuktukonskoe (Krasnoyarsk Region) | Oxide | - | 60,3 | 21,2 | 6,6 |
| Tr | | Weathering crust of carbonatites | 1,0 | 1,9 | 8,6 | 5,4 |
| Mn | Porozhinskoe (Krasnoyarsk Region) | Oxygenized | 15,7 | 13,8 | 10,4 | 18,9 |
| Al | Bayankolskoe (Tyva Republic) | Nepheline ores (urtites) | 304,8 | 41,5 | 7,0 | 26,5 |
| Zr | Ulug-Tanzekskoe (Tyva Republic) | Rare metal alkali granite (zirconpyrochlorocolumbite) | 1,9 | 1,0 | 23,5 | 0,4 |
| U | | Alkaline metasomatites | 67,6 | 36,3 | 14,5 | 0,01 |
| Ta<br>Nb<br>Zr | Aryskanskoe (Tyva Republic) | Rare grain, tantalumniobium, zircon, mineralization | 4,079 | 2,144 | – | 0,52 |
| Ba<br>Ce<br>Y<br>Sr | Kara-Sugskoe (Tyva Republic) | Siderite-fluorite-baritehematite ores | 319,6 | – | – | – |
| Li | Tastygskoe (Tyva Republic) | Spodumene pegmatites | – | 40,737 | – | 1,46 |
| Al | Kurgusyulskoye field (Republic of Khakassia) | Nepheline ores | 401,8 | - | | 22,3 |
| Ti | Yaryshkolskoye field (Republic of Khakassia) | Rutile-containing albitites with uneven rutile distribution | 13,5 | - | | |
| Ba | Kuten-Kulukskoye field (Republic of Khakassia) | Strathymorph | | 10,9 | | 36,2-66,4 |
| Dia | Skalnoe (Krasnoyarsk Region) | Impact | 9 675** | 161 429** | | 18,48 ct / t |
| Dia | Udarnoe (Krasnoyarsk Region) | Impact | 5 682** | 6 198** | | 7,13 ct / t |
| $P_2O_5$ | Telekskoe (Krasnoyarsk Region) | Residual metasomatic phosphorites | 22 424 | 3 414 | 2,0 | 13,9 |

* as of 1 January 2019 ** million carats

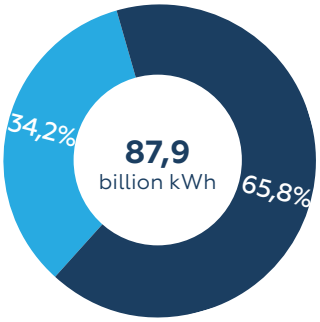
# ENERGY INFRASTRUCTURE

Power




**48,4%** UES of Siberia
**10,2%** UEN of Russia

Development*

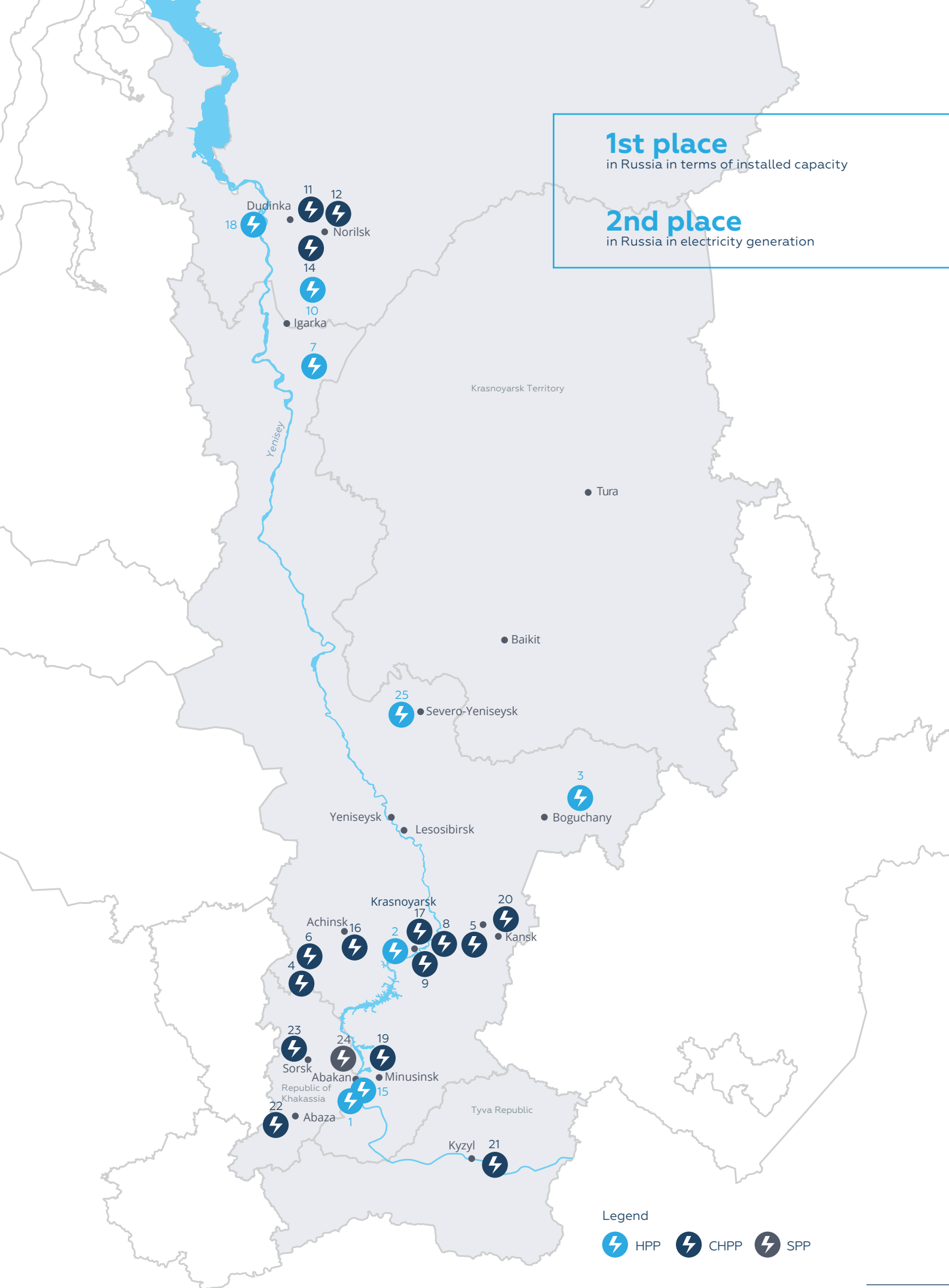



**42,5%** UES of Siberia
**8,4%** UEN of Russia

Krasnoyarsk Territory  Republic of Khakassia  Tyva Republic

| № | NAME | INSTALLED CAPACITY | |
|---|---|---|---|
| | | electric, MW | heat, Gcal / hour |
| 1 | Sayano-Shushenskaya HPP | 6 400 | - |
| 2 | Krasnoyarsk HPS | 6 000 | - |
| 3 | Boguchanskaya HPP | 2 997 | - |
| 4 | Berezovskaya GRES-1 | 2 400 | 987 |
| 5 | Krasnoyarskaya GRES-2 | 1 250 | 1 176 |
| 6 | Nazarovskaya GRES | 1 243 | 870 |
| 7 | Kureiskaya HPP | 600 | - |
| 8 | Krasnoyarsk CHPP-1 | 481 | 1 677 |
| 9 | Krasnoyarsk CHPP-2 | 465 | 1 405 |
| 10 | Ust-Khantayskaya HPP | 441 | - |
| 11 | Norilsk CHPP-3 | 440 | 1 049 |
| 12 | Norilsk CHPP-2 | 425 | 1 151 |
| 13 | Abakan CHP | 409 | 700 |
| 14 | Norilsk CHPP-1 | 370 | 2 321 |
| 15 | Mainskaya HPP | 321 | - |
| 16 | Rusal Achinsk | 320 | 980 |
| 17 | Krasnoyarsk CHPP-3 | 208 | 582 |
| 18 | Vankor GTPP | 200 | 240 |
| 19 | Minusinsk CHP | 85 | 330 |
| 20 | Kanskaya CHP | 24 | 325 |
| 21 | Kyzyl CHP | 17 | 310 |
| 22 | Abaza-Energo 15 | 15 | 180 |
| 23 | Sorsk CHP | 6 | 179 |
| 24 | Abakan SPP | 5 | - |
| 25 | Enashiminskaya HPP | 5 | - |

* for 2022


1st place
in Russia in terms of installed capacity
2nd place
in Russia in electricity generation
Dudinka
Norilsk
Igarka
Krasnoyarsk Territory
Yenisey
Tura
Baikit
Severo-Yeniseysk
Yeniseysk
Lesosibirsk
Boguchany
Krasnoyarsk
Achinsk
Kansk
Sorsk
Abakan
Minusinsk
Republic of Khakassia
Abaza
Tyva Republic
Kyzyl
Legend
HPP
CHPP
SPP

# TRANSPORT INFRASTRUCTURE




## KEY TRANSPORT INFRASTRUCTURE:

- Trans-Siberian railway (Mariinsk - Krasnoyarsk - Taishet)
- South Siberian railway (Mezhdurechensk - Abakan - Taishet)
- Federal highway R255 Siberia (Novosibirsk - Krasnoyarsk - Irkutsk)
- Federal highway R257 Yenisey (Krasnoyarsk - Abakan - Kyzyl - Khandagayty)
- Yenisei River (Abakan - Krasnoyarsk - Lesosibirsk - Dudinka - Dikson)
- Northern Sea Route (Murmansk - Dikson - Tiksi - Pevek - Vladivostok)

## FLIGHT TIME TO THE LARGEST RUSSIAN CITIES:

| Departure point | Flight time, hours / minutes |
|---|---|
| Moscow | 04.45 |
| St. Petersburg | 05.10 |
| Novosibirsk | 01.30 |
| Yekaterinburg | 02.50 |
| Nizhny Novgorod | 04.20 |
| Kazan | 03.50 |
| Chelyabinsk | 03.00 |
| Omsk | 02.00 |
| Samara | 03.55 |
| Rostov-on-Don | 05.55 |




## YENISEY SIBERIA AIRPORTS

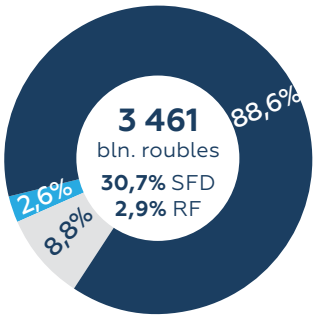
**Krasnoyarsk International Airport**
**Abakan International Airport**
**Kyzyl International Airport**

# RATING

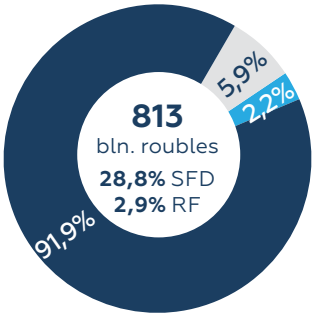
| Rating name | Year | Krasnoyarsk Region | Republic of Khakassia | Tyva Republic |
|---|---|---|---|---|
| Regions Competition Index AV RCI – Growth Poles of Russia (Leontief Centre – AV Group) | 2022 | 6 | 60 | 80 |
| Rating of Russian regions by the level of team sports development (St. Petersburg Politics Foundation | 2020 | 8 | 64 | 72-83 |
| Rating of innovative development of the constituent entities of the Russian Federation (HSE) | 2019 | 12 | 75 | 78 |
| Rating of the socio-economic situation of the constituent entities of the Russian Federation (RIA Rating) | 2020 | 9 | 78 | 83 |
| Rating of investment attractiveness of Russian regions (RA Expert) | 2021 | 1B | 3B | C |
| Rating of innovative regions of Russia (RA Expert) | 2020 | 12 | 72 | 84 |
| Management efficiency rating in the constituent entities of the Russian Federation (APEC) | 2021 | 28 | 89 | 83 |
| National Tourism Rating (CEC Rating) | 2022 | 28 | 63 | 81 |
| Energy efficiency rating of constituent entities of the Russian Federation (Ministry of Energy of the Russian Federation) | 2019 | 37 (II) | 13 (II) | 19 (III) |
| Quality of life rating of Russian regions (RIA Rating) | 2021 | 44 | 64 | 85 |
| Rating of fundamental efficiency of Russian regions (Interfax-ERA) | 2020 | 81 | 59 | 28 |
| Rating of investment attractiveness of regions RAEX | 2020 | IB | 3B2 | 3C2 |
| Rating of constituent entities of the Russian Federation based on the results of assessing the dynamics of project implementation | 2021 | 55 | 57 | 61 |

# MACROECONOMIC INDICATORS

### GRP




### INVESTMENTS



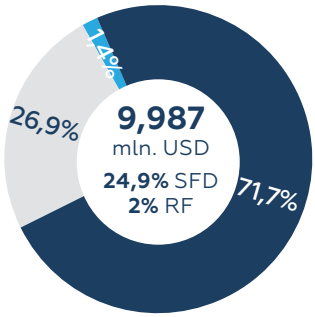

| GRP per capita, thousand roubles/person | | | |
|---|---|---|---|
| 932,1 | YS | 1077,1 | Krasnoyarsk Territory |
| 678,1 | SFD | 578,0 | Republic of Khakassia |
| 827,5 | RF | 263,2 | Tyva Republic |

* Rosstat data for 2021

| INVESTMENTS in fixed assets per capita, thousand roubles/person | | | |
|---|---|---|---|
| 219,0 | YS | 262,8 | Krasnoyarsk Territory |
| 169,6 | SFD | 90,9 | Republic of Khakassia |
| 190,3 | RF | 51,3 | Tyva Republic |

* Rosstat data for 2022

### EXPORT

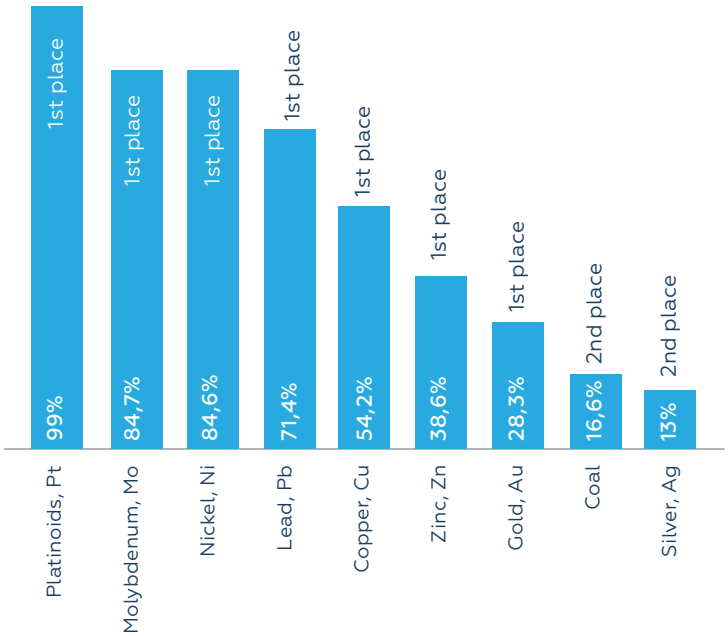



| EXPORT per capita, thousand USD / person | | | |
|---|---|---|---|
| 2,7 | YS | 2,5 | Krasnoyarsk Territory |
| 2,4 | SFD | 5,1 | Republic of Khakassia |
| 3,4 | RF | 0,4 | Tyva Republic |

Krasnoyarsk Territory  Republic of Khakassia  Tyva Republic

* Rosstat data for 2020

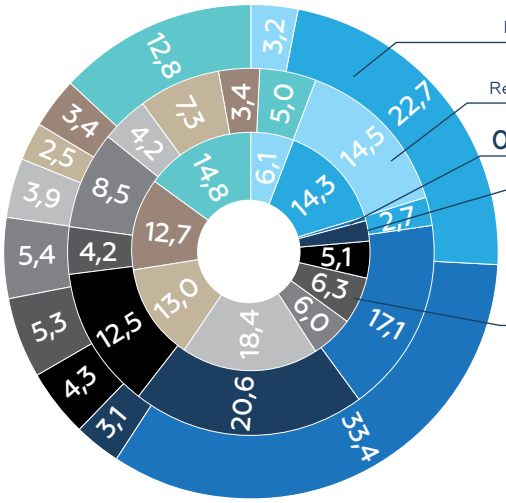
### SHARE OF ES REGIONS IN RUSSIAN PRODUCTION **




** place among Russian regions

# SECTORAL COMPOSITION OF THE ECONOMY

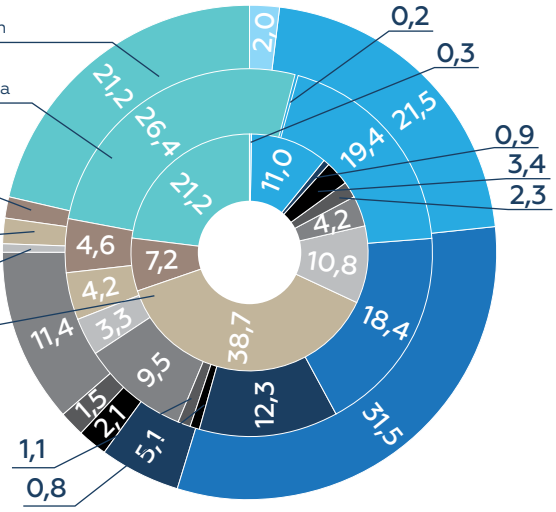
## GRP




* Rosstat data for 2021
(percentage of total volume)

- Agriculture, forestry, hunting, fishing and fish farming
- Mining
- Manufacturing industries
- Electricity, gas and steam supply; air conditioning
- Civil engineering
- Wholesale and retail trade; repair of motor vehicles and motorcycles

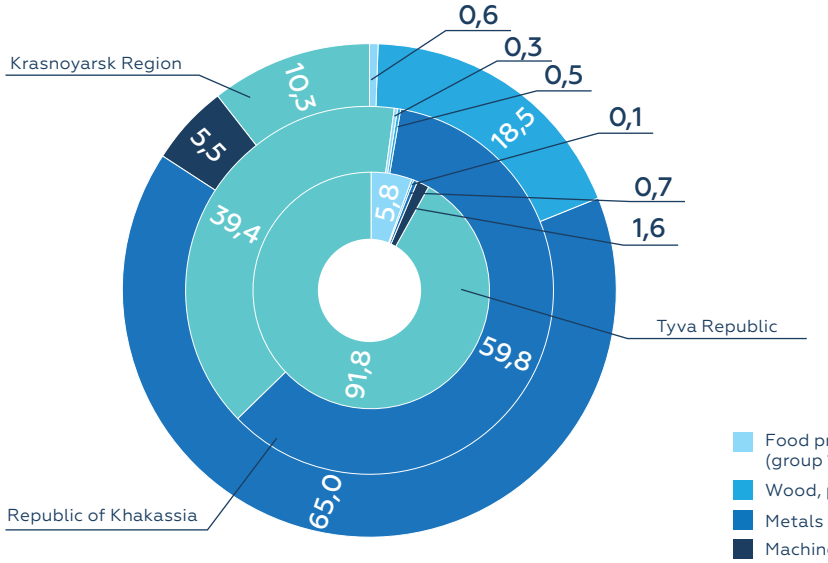
## INVESTMENTS




* Rosstat data for 2022
(percentage of total volume)

- Transport and storage
- Public administration and military security; social security
- Education
- Activities in the field of health and social services
- Other activities

## EXPORT




* Rosstat data for 2020
(percentage of total volume)

- Food products and agricultural raw materials (group 1-24)
- Wood, pulp and paper products (group 44-49)
- Metals and metal products (Group 72-83)
- Machinery, equipment and vehicles
- Other products

# FEDERAL BRANDS IN THE YENISEY SIBERIA

РУСАЛ

ТЭПК
Тувинская Энергетическая Промышленная Корпорация

КОРПОРАЦИЯ АЕОН

En+ GROUP

COAL STAR КОУЛСТАР

краслесинвест
лесопромышленный комплекс

СУЭК

СИБИРСКАЯ ГЕНЕРИРУЮЩАЯ КОМПАНИЯ

segezha group

НОРНИКЕЛЬ

РОСАТОМ

Intergeo

ПОЛЮС

РУССКИЙ УГОЛЬ

POLYMETAL INTERNATIONAL PLC

КРАСНОЯРСКГАЗПРОМ НЕФТЕГАЗПРОЕКТ
ОБЩЕСТВО С ОГРАНИЧЕННОЙ ОТВЕТСТВЕННОСТЬЮ

ЮЖУРАЛЗОЛОТО ГРУППА КОМПАНИЙ ЮГК

ОГК-2

РОСНЕФТЬ

Bentonite

# INTERNATIONAL BRANDS IN THE YENISEY SIBERIA

HENCON

METRO GROUP

Hilton

ZiJin

KFC

JM Johnson Matthey

KAYI 25 years

AURIANT MINING

LEROY MERLIN

# COOPERATION CHAINS IN THE YENISEY SIBERIA

COMPREHENSIVE INVESTMENT PROJECT




growing local small and medium-sized enterprises to the size of YS CIP suppliers and contractors

localization of foreign manufacturers in the interests of the YS CIP implementing

localization of production facilities of companies from other regions in the interests of the YS CIP implementation

# EDUCATION POTENTIAL OF THE YENISEY SIBERIA

СИБИРСКИЙ ФЕДЕРАЛЬНЫЙ УНИВЕРСИТЕТ | SIBERIAN FEDERAL UNIVERSITY

## EDUCATION PROGRAMS:

- for the IT industry;
- for mechanical engineering enterprises;
- for forecasting and searching for mineral deposits;
- for gold mining enterprises;
- in the field of chemistry, metallurgy and architecture (jointly with Liaoning University of Science and Technology in China);
- for the North (development of the Arctic).

## KEY FIGURES

**22 schools** and **3 branches**

more than **25,000 students**

more than **2,000 professors**

more than **250 undergraduate** and **200 graduate programs**

**84%** are employed in their major

СибГУ им. М.Ф. Решетнева

## EDUCATION PROGRAMS:

- for the aviation and space industry;
- for mechanical engineering enterprises;
- for enterprises of the forestry and woodworking industries;
- for enterprises of the chemical industry;
- for scientific and financial organizations;
- for international and Russian companies.

## KEY FIGURES

**11 schools and faculties**

more than **16,000 students**

more than **800 professors**

**100 training programs**

based on technological and aerospace universities

ХАКАССКИЙ ГОСУДАРСТВЕННЫЙ УНИВЕРСИТЕТ
им. Н.Ф. Катанова
1939

## EDUCATION PROGRAMS:

- for enterprises of the agro-industrial complex;
- for the IT industry;
- for construction companies and organizations;
- for enterprises and organizations in the field of ecology and rational use of natural resources;
- for the light industry;
- for healthcare organizations;
- for enterprises and organizations of the social and economic sphere;
- for educational and scientific institutions;
- for the mining industry.

## KEY FIGURES

**11 schools**

more than **9,000 students**

more than **550 professors**

**150 training programs** for higher and secondary vocational education

**90% of graduates** are employed in the Siberian Federal District

Тувинский государственный университет

## EDUCATION PROGRAMS:

- for the IT-industry;
- for educational and scientific organizations;
- for agricultural enterprises;
- for forecasting and prospecting, development of mineral deposits;
- for the sphere of ecology and nature management;
- for organizations of the fuel and energy complex;
- for construction enterprises.

## KEY FIGURES

**1 college, 3 schools, 9 faculties**

more than **7,000 students**

more than **300 professors**

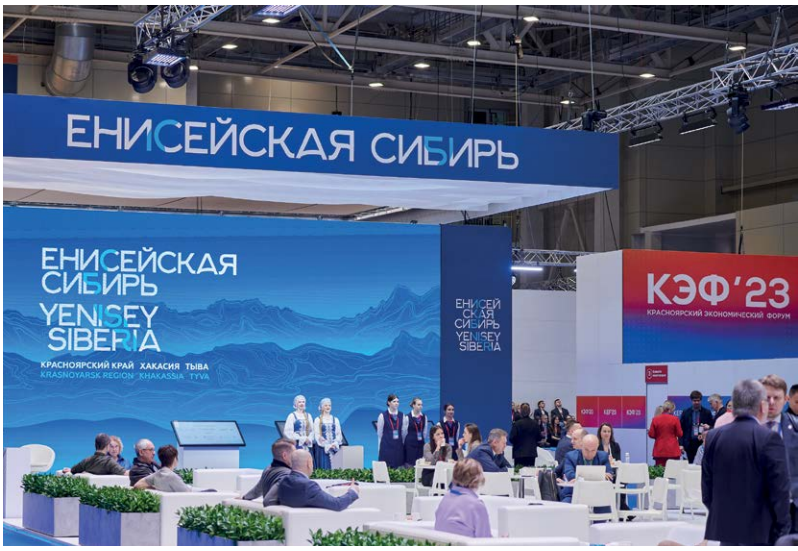
**9** secondary vocational education **programs**, **83** bachelor's **programs**, **4** specialist **programs**, **34** master's **programs**, **13** postgraduate **programs**

**70% of graduates** are employed in their major

# KEF

## KRASNOYARSK ECONOMIC FORUM

**The Krasnoyarsk Economic Forum** is one of the largest discussion platforms where representatives of business, government, key development institutions, the public, scientific and expert communities of Russia and foreign countries annually discuss key issues of the social and economic development of our country. The Forum in Krasnoyarsk welcomes thousands of guests and participants every year. The forum program traditionally includes more than a hundred discussions and other platforms. Dozens of business agreements are signed during the event.








# STATE SUPPORT OF THE INVESTMENT ACTIVITY





## TIME FOR OBTAINING CONSTRUCTION PERMIT

| | |
|---|---|
| KRASNOYARSK TERRITORY | **146 days** |
| REPUBLIC OF KHAKASSIA | **85 days** |
| TYVA REPUBLIC | **67 days** |

## PERIOD OF UTILITY CONNECTION TO ELECTRIC MAINS

| | |
|---|---|
| KRASNOYARSK TERRITORY | **107 days** |
| REPUBLIC OF KHAKASSIA | **118 days** |
| TYVA REPUBLIC | **66 days** |

# ADMINISTRATIVE SUPPORT MEASURES

| | Krasnoyarsk Territory | Republic of Khakassia | Tyva Republic |
|---|---|---|---|
| Time for obtaining construction permit, days | 146 | 85 | 67 |
| Obtaining a urban development plan for a land plot | 14 | 14 | 10 |
| Cadastral registration | 3 | 13 | 4 |
| Passing state review | 42 | 30 | 22 |
| Obtaining construction permit | 5 | 5 | 5 |
| Registration of property rights to real estate objects | 3 | 5 | 4 |
| Period of utility connection to electric mains | 107 | 118 | 66 |

# FINANCIAL SUPPORT MEASURES

| | Regional support | Krasnoyarsk Territory | | Republic of Khakassia | | Tyva Republic | |
|---|---|---|---|---|---|---|---|
| | Support | Value, mm RUB | Operator | Value, mm RUB | Operator | Value, mm RUB | Operator |
| 1 | Subsidies (grants), including: | **227,2** | SME Agency, KR | **44,4** | MED RK | **181,2** | Minec RT, Development Fund of RT |
| 1.1 | SMEs | 10,5 | | 44,4 | | 181,2 | |
| 1.2 | municipalities | 216,7 | | – | | – | |
| 2 | Financing for SMEs, including: | **998,3** | My Business Center | **619,2** | MFO & RSO | **279,8** | SF KR TR |
| 2.1 | microloan | 768,5 | | 179,2 | MKK RH | 123,9 | |
| 2.2 | warranty | 229,8 | | 440,0 | SF RH | 155,9 | |
| 3 | Services for SMEs | **230,2** | SME Agency, KR, My Business Center | **34,9** | Development Fund RK | **221,4** | Entrepreneurship Support Fund of the Republic of Tyva |
| 4 | Subsidies (grants) to agricultural producers | **–** | Ministry of Agriculture of the Krasnoyarsk Region | **2000** | Ministry of Agriculture of the Republic of Khakassia | **–** | Ministry of Agriculture and Food of the Republic of Tyva |
| 5 | Loans under the 1764 program | **–** | MED RF, banks | **–** | MED RF, banks | **360,8** | MED RF, banks |
| 6 | Кредиты с привлечением гарантий и поручительств АО «Корпорация МСП» | **–** | SME Corporation, SME bank, RGS | **–** | | **–** | SME Corporation, SME bank, RGS |
| 7 | Services for large businesses and MPS entities, including: | **711,0** | NPO SFDI KR | **147,2** | Development Fund RK | | |
| 7.1 | loans | 525,0 | – | **138,8** | SFDI RH | | |
| 7.2 | grants | – | – | **8,4** | SFDI RH | | |

# TAX SUPPORT MEASURES

| TAX | GENERAL REGIME | RATE | KRASNOYARSK REGION | | RATE |
|---|---|---|---|---|---|
| | | | Recipient | Term | |
| **Corporate Income Tax** | 20% | | | | 13-18% |
| Federal budget | 3% | 2% | Krasnoyarsk Technological Valley SEZ resident | for the term of the agreement | 3% |
| | | 0% | RIP status (section B subclass 05.1 of section B, group 07.29 of section B, subgroup 35.11.1 section D) | | |
| Regional budget | 17% | 13,5% | production of crude oil and petroleum (associated) gas (revenue from oil sales in total revenue ≥ 50% | not regulated | 15% |
| | | | FOCL investors in the Arctic zone of the Russian Federation (revenue from the provision of communication services in the total income ≥ 50%) | not regulated | 10% |
| | | 5%*** | RIP status (section B subclass 05.1 of section B, group 07.29 of section B, subgroup 35.11.1 section D) | within 5 tax periods, starting from the tax period, in which the first profit was received | |
| | | 10%*** | | within the next 5 tax periods | |
| **Corporate property tax** | 2,2% | 1,1% | producers of petroleum products (≥ 6 million tons per year) | not regulated | 0% |
| | | 0,2% | production of crude oil and petroleum (associated) gas (≤ 7 million tons per year) | not regulated | 0,1% |
| | | 0,0% | Agroindustrial complex and processing (proceeds from the sale of agricultural products in the total income ≥ 70%), producers of primary aluminum, investors in fiber-optic communication lines in the Arctic zone of the Russian Federation | not regulated | |
| **Single tax for STS:** | | | | | |
| income | 6% | 0,0% | Individual entrepreneurs who first registered or switched to the simplified tax system with OKVED2 (sections A, C, D, E, F, H, P, Q, classes 58-61 of section J, classes 72 and 75 of section M, class 79 of section N, classes 90 , 91 and 93 of Section R) | 2021-2023 | 2% |
| | | 3% | Residents of the Arctic zone of the RF | | 4% |
| income minus expenses | 15% | 0,0% | Individual entrepreneurs who first registered or switched to the simplified tax system with OKVED2 (sections A, C, D, E, F, H, P, Q, classes 58-61 of section J, classes 72 and 75 of section M, class 79 of section N, classes 90 , 91 and 93 of Section R) | 2021-2023 | 5% |
| | | 7,5% | Residents of the Arctic zone of the RF | | 7,5% |
| **Mineral Extraction Tax** | | 0% | RIP status (section B subclass 05.1 of section B, group 07.29 of section B, subgroup 35.11.1 section D) | before the application of the reduced income tax rate and for the next 24 tax periods* | |
| | | 0,2% | | from 25 to 48 tax period inclusive* | |
| | | 0,4% | | from 49 to 72 tax period inclusive* | |
| | | 0,6% | | from 73 to 96 tax period inclusive* | |
| | | 0,8% | | from 97 to 120 tax period inclusive* | |
| | | 1% | | in subsequent tax periods until January 1 2031* | |

* from the moment the property was accepted for accounting
** from the first day of the tax period where the investment agreement was concluded
*** RIP participants lose the right to apply preferential tax rates starting from January 1, 2031.

| REPUBLIC OF KHAKASSIA | | RATE | TYVA REPUBLIC | |
|---|---|---|---|---|
| Recipient | Term | | Recipient | Term |
| Regional Investment Project status | | 3-13% | Regional Investment Project status | |
| | | 3% | | |
| | | | | |
| B Section in OKVED2 | The amount of benefits is not more than the amount of capital investments | 0% | Capital expenditures (50 million roubles over 3 years or 500 million roubles over 5 years) | first 5 years |
| Other taxpayers | The amount of benefits is not more than the amount of capital investments | 10% | | next 5 years |
| | | | | |
| | | | | |
| Status of Regional Investment Project, Priority Investment Project | 5 years* | 0% | type 05.10.12 or 05.10.15 class 05, section B OKVED2, coal mining not less than 300 thousand tons, investment volume: 2019-2020 - at least 800 million roubles; 2019-2021 - at least = 1,200 million roubles; 2019-2022 - at least 1,600 million roubles; 2019-2023 - at least 1,950 million roubles | 5 years** |
| Section A, tourism (subclass 55.1 of the section I and subclass 79.9 of section N OKVED2) | not regulated | 0% | medical activity; production of building materials and products from raw materials mined and produced in the Tyva Republic | first 3 years |
| | | 1,1% | | next 2 years |
| | | | | |
| section A, groups 85.11, 85.12 of section P, subclasses 38.1, 38.2 of section E, subgroup 81.29.2 of section N | not regulated | 0% | For newly registered and working in industrial, social and scientific fields | within the first 2 years |
| other taxpayers | not regulated | 1% | Section A, class 10,11,13,14,15,16,17,18,21,31,32 of section C, subclass 79.1,79.2 of section No. 4, as well as social entrepreneurs. For newly registered in the territory of the Republic of Tyva, incl. with a change of location from other regions of the Russian Federation | not regulated |
| section A, groups 85.11, 85.12 of section P, subclasses 38.1, 38.2 of section E, subgroup 81.29.2 of section N | not regulated | 10% | investors implementing investment and innovation projects, SMEs by 14 types of activity according to OKVED2 | not regulated |
| other taxpayers | not regulated | 5% | For newly registered in the territory of the Republic of Tyva, incl. with a change of location from other regions of the Russian Federation | within 2 years |
| | | 0% | Regional investment project status | 2 years before receiving the first proceeds and 2 years after |
| | | 0,2% | | 3-4 years after receiving the first proceeds |
| | | 0,4% | | 5-6 years after receiving the first proceeds |
| | | 0,6% | | 7-8 years after receiving the first proceeds |
| | | 0,8% | | 9-10 years after receiving the first proceeds |
| | | 1% | | 10 years |

# INFRASTRUCTURE SUPPORT MEASURES

Specialized organizations for work with investors, support and financing of investment projects implemented in the Yenisey Siberia regions:

### State Fund of Industrial Development of the Krasnoyarsk Region

tel.: +7 (391) 205-44-32;
info@frp-krsk.ru; frp-krsk.ru
Krasnoyarsk, ul. Belinskogo, 5, office 5

- assistance in the implementation of the state industrial policy in the Krasnoyarsk Region
- loans, provision of financial and other support, including grants, to industrial entities

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### ANO Yenisey Siberia Development Corporation

tel.: +7 (391) 200-35-71; info@ensib.ru;
ensib.ru; Krasnoyarsk, 10 Maerchaka Street

- investment projects comprehensive support
- potential investors primary support
- interaction with federal authorities, development institutions, expert community and public organizations
- positioning of the Yenisey Siberia CIP at the Russian and international levels
- assistance in cooperation between investors and SMEs representatives, scientificeducational complex
- formation of the Personnel reserve of the Yenisey Siberia

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### ANO Krasnoyarsk Regional Business Development Centre and Microloans Company (My Business Centre)

tel.: +7-800-234-01-24; мойбизнес-24.рф
Krasnoyarsk, 2 Matrosova Street

- financial support within the framework of Microfinance state program
- provision of guarantees for obtaining loans from credit institutions under the Guarantee program
- assistance in finding partners and entering interregional and foreign markets
- assistance in foreign economic activity
- consulting on business activities
- increase the competence of entrepreneurs in educational projects

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### RSPI Local Economy Centre for Regional Development

tel.: +7 (391) 234-31-93
info@crr-krsk.ru; crr-krsk.ru
Krasnoyarsk, 93 Karla Marksa Street, off 701

- projects support for the development of the local economy in the Krasnoyarsk Territory
- provision of organizational and methodological assistance to local government bodies in the creation of MIDP
- provision of information, consulting and organizational support to subjects of investment activities, SMEs interested in starting entrepreneurial activities

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### Security Fund of the Republic of Khakassia

tel.: +7 (3902) 24-89-01; +7-913-540-03-89
Garatiynyyfond19@mail.ru
Abakan, prospekt Druzhby Narodov 2a

- provision of guarantees when attracting small and medium -sized enterprises to credit and borrowed resources

### Republic of Khakassia Development Fund

tel.: +7-800-350-37-53; fondrh@mail.ru; fr19.ru
Abakan, 2a Druzhby Narodov Street

- participation in the investment projects implementation and initiation
- assistance in the development of forms of support for investors and participation in investment projects
- support for SMEs
- interaction with development institutions of the Russian Federation and constituent entities of the Russian Federation
- export support centre
- increasing the competencies of entrepreneurs within the framework of educational projects and providing engineering services to small and medium-sized businesses.

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### Republic Fund - Microcredit Company of the Republic of Khakassia

tel.: +7 (3902) 248-688; nogfrh@mail.ru;
fondrh.ru; Abakan 2a Druzhby Narodov Prospect

- microloans:
  - subjects of small and medium business;
  - self-employed.

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### Industrial Development Fund of the Republic of Khakassia

tel.: +7 (3902) 248-190; +7-92-93-190-190
frp-rx@yandex.ru; frp-rx@yandex.ru
Abakan, 2a Druzby Narodov Street

- provision of financial support to industrial entities in the Republic of Khakassia in the form of loans, grants, financial leases (leasing), subsidies, other non-financial forms of support to industrial entities in the Republic of Khakassia.

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### NO Development Fund Tyva Republic

tel .: +7 (39422) 3-00-25; frrt17@mail.ru
Kyzyl, 18 Chulduma Street

- assistance in the development of forms of support for investors and participation in investment projects
- support for small and medium enterprises in the industry
- implementation of joint financing of projects with the Industrial Development Fund

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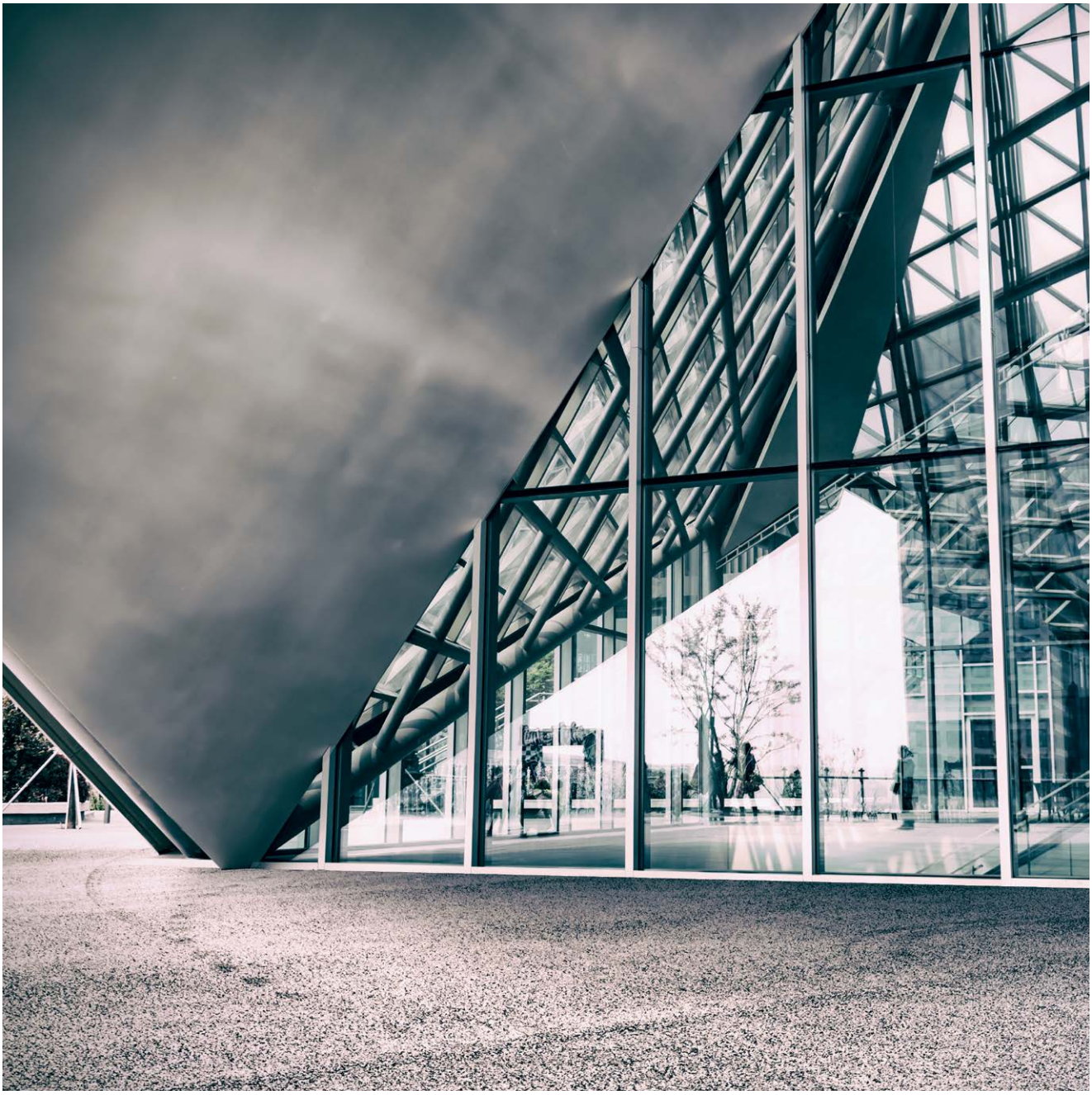
### Investment Development Agency of the Republic of Tuva

tel.: +7 (39422) 3-60-18; airtuva@mail.ru
Kyzyl, ul, Tuvinskikh Dobrovoltsev, 18, room. 201

- selection of land for the implementation of an investment project
- organization of interaction with federal, republican and local authorities
- organization of meetings with persons authorized to resolve issues arising from the implementation of investment projects
- consulting assistance in the formation of a financial model of an investment project
- information assistance
- consulting and organizational assistance in promoting products

# INVESTMENT SITES OF THE YENISEY SIBERIA



# PSEDA CATU ZHELEZNOGORSK




**INDUSTRIAL PARK PROFILE**
space and IT technologies

**TYPE OF OWNERSHIP**
state (Krasnoyarsk Territory)

**MANAGEMENT COMPANY**
JSC «Atom-TOR»

**PARK INFRASTRUCTURE**
power supply (**60 MW**)
heat supply (**40 Gcal / h**)
water supply and sewerage (**321 cubic meters per hour**)

**РЕЗИДЕНТЫ ПАРКА**

Elektrikus OOO
AtomZnak OOO
Sibor OOO
A-Roks OOO
Bitriver-A OOO
SK PIRAMIDA OOO
Small spacecrafts
NPC OOO
Sistema OOO
Sibradiotech OOO
IC YART OOO
NPO EC OOO
OKB ROST OOO
13 element OOO

**ADMINISTRATIVE PREFERENCES**

Free customs zone
Simplified construction documentation processing procedures

**VOLUME OF EXPENDITURE ON INFRASTRUCTURE**
>700 million roubles in 2025

**REQUIREMENTS FOR RESIDENTS OF PSEDA ZHELEZNOGORSK:**

1. Registration and implementation of legal entity activities on PSEDA territory

2. Lack of branches and representative offices outside PSEDA

3. The minimum amount of capital investments by a resident within the framework of an investment project is **1 million roubles.**

ANDREY PANCHENKO
Representative of AO Atom-TOR in PDA Zheleznogorsk
Tel.: +7 (913) 186-22-80
pa@atomtor.ru
www.atomtor.ru

**34 ha**
land area

**10.7 thousand sq. m**
area of premises

| Tax | General regime | PSEDA | Duration of benefits |
|---|---|---|---|
| Corporate income tax: | 20% | | |
| federal budget | 3% | 0% | first 5 years |
| | | 2% | next 5 years |
| regional budget | 17% | 5% | first 5 years |
| | | 10% | next 5 years |
| Property tax | 2,2% | 0% | 10 years |
| Land tax | 1,5% | 0% | |
| Insurance premiums | 30% | 7,6% | |
| PF | 22% | 6% | |
| SIF | 2,9% | 1,5% | |
| FMS | 5,1% | 0,1% | |

**A special legal regime for carrying out entrepreneurial activities in the PSEDA Zheleznogorsk applies to the following types of economic activities (according to OKVED2 classes):**

20. Production of chemicals and chemical products.
23. Manufacture of other non-metallic mineral products.
25. Manufacture of finished metal products, except for machinery and equipment.
26. Manufacture of computers, electronic and optical products.
27. Manufacture of electrical equipment.
28. Production of machinery and equipment not included in other categories.
30. Manufacture of machinery and equipment.
31. Furniture manufacturing.
61. Activities in the field of telecommunications.
62. Development of computer software, consulting services in this area and other related services.
63. Activities in the field of information technology.
72. Research and development.

# KRASNY YAR INDUSTRIAL PARK

**PARK PROFILE**
mechanical engineering and metalworking, furniture production

**TYPE OF OWNERSHIP**
private

**MANAGEMENT COMPANY**
OOO Krasny Yar

**PARK INFRASTRUCTURE**
power supply (**32.5 MW**)
heat supply (**1.4 Gcal / h**)
water supply and sewerage (**5.4 cubic meters / h**)

**PARK RESIDENTS**

Spetstechnomash ZAO
OKB Zenit AO
Mechel-Service OOO
StroyBetonKomplekt OOO
Aprel OOO
UralSibTrade-Krasnoyarsk OOO
Staltechkonstruktsiya OOO

**RESIDENTS REVENUE (2018)**
3.5 billion roubles

**UTILIZATION RATE**
80% (production and warehouse), 20% (office)

**WORKPLACES**
about 1 200 people

**DEVELOPMENT PROSPECTS**
construction of industrial boxes of the 2nd stage (10 thousand sq. m) and the 3rd stage (50 thousand sq.m)



**18,5 ha**
land area

**60 thousand sq. m**
area of premises

**TRANSPORT ACCESSIBILITY:**

Federal highway R255 Siberia
**7,5 km**

Central city of the Territory (Krasnoyarsk)
**0,5 km**

Krasnoyarsk Airport
**45 km**

Bazaikha Railway loading station
**7,7 km**

ALEXANDER SIVAEV
Director General,
OOO Krasny Yar

Tel.: +7 (391) 276-88-66
red-yar@mail.ru
www.kr-yar.com
Krasnoyarsk, 1 Kutuzova Street

# DIVNOGORSK INDUSTRIAL PARK

**PARK PROFILE**

polymer building materials

**TYPE OF OWNERSHIP**

private

**MANAGEMENT COMPANY**

OOO MC DIP

**PARK INFRASTRUCTURE**

power supply (**3.4 MW**)
heat supply (**2.1 Gcal / h**)
water supply and sewerage (**2 m³ / h**)
railway siding (**6 cars**)

**PARK RESIDENTS**

ZAO TEKHPOLIMER
OOO TekhPolimer
OOO SibTransGroup
OOO Geosintetika
OOO Geosynthetic Materials Plant

**REVENUE OF RESIDENTS (2018)**
9.2 billion roubles

**UTILIZATION RATE**
95% (production and warehouse)

**WORKPLACES**
520 people

**DEVELOPMENT PROSPECTS**
industrial buildings construction
(**10 thousand sq. m**)



**9.9 ha**
land area

**19.4 thousand sq. m**
area of premises

## TRANSPORT ACCESSIBILITY:

Federal highway R257 Yenisey
**1 km**

Central city of the Territory (Krasnoyarsk)
**35 km**

Krasnoyarsk Airport
**75 km**

Bazaikha Railway loading station
**47 km**

SERGEY SHMIDT
Director General, OOO MC DIP

Tel.: +7 (39144) 3-41-22
info@texpolimer.ru
www.divpark.ru
Divnogorsk, 13 Nizhny Prospect

# CHERNOGORSKY INDUCTRIAL PARK




**40 ha**

land area

**PARK PROFILE**
universal

**TYPE OF OWNERSHIP**
state

**MANAGEMENT COMPANY**
MP «BytServis»

**PARK INFRASTRUCTURE**
power supply (**2.89 MW / h**),
water supply (**223 m³ / h**),
water disposal (**223 m³ / h**)

**UTILIZATION RATE**

61% (land plots)

**REVENUE OF RESIDENTS (2018)**
28 million roubles

**WORKPLACES**
12 people

**DEVELOPMENT PROSPECTS**

the possibility of expanding to **200 ha**, construction of a steam boiler station and a backup power line

**TRANSPORT ACCESSIBILITY:**

Federal highway R257 Yenisey
**2 km**

Central city of the Republic (Abakan)
**22 km**

Abakan Airport
**19 km**

Chernogorskie Kopi
Railway loading station
**5 km**

NATALYA TOROPOVA
Deputy Head of Administration of the City of Chernogorsk for Economics and Forecasting

Tel.: +7 (39031) 2-26-40
admtoropova@mail.ru
www.промпарк19.рф
Chernogorsk, 66 Sovetskaya Street

# ABAZA PSEDA



**REQUIREMENTS FOR RESIDENTS WITHIN 2 YEARS AFTER THEIR REGISTRATION AS RESIDENTS ESTABLISHED BY THE REGULATION OF THE GOVERNMENT OF THE RUSSIAN FEDERATION NO. 870 DATED JULY 24, 2017 «INITIATION OF ABAZA PSEDA»:**

1. Minimum number of new permanent jobs created by a resident within the investment project – **20**

2. Minimum volume of capital investments by a resident within the investment project – **5 million roubles**.

3. Revenue from contracts with the city-forming organization of a single-industry town - **no more than 50% of all revenue**.

4. Attraction of foreign workers - no more than **25%** of the total number of employees

| Tax | General regime | PSEDA | Duration of benefits |
|---|---|---|---|
| Corporate income tax: | 20% | | |
| federal budget | 3% | 0% | first 5 years |
| regional budget | 17% | 5% | first 5 years |
| | | 10% | next 5 years |
| Corporate property tax | 2,2% | 0% | 10 years |
| Land tax | 1,5% | 0% | |
| MET | from 3,8% | Ктд – 0 | first 2 years from 3rd to 5th year |
| | from 16,5% | Ктд – 0,2 | |

**A special legal regime for carrying out entrepreneurial activities in Abaza PSEDA is valid for the following types of economic activities (according to OKVED2 classes):**

1. Crop and livestock production, hunting and provision of related services in these areas.
2.3. Collection and procurement of food forest resources, non-timber forest resources and medicinal plants.
8. Extraction of other minerals.
10. Food production.
11.07. Production of soft drinks; production of mineral water and other drinking water in bottles.
14. Manufacture of clothing.
15. Manufacture of leather and leather products.
16. Wood processing and production of wood products and cork, except for furniture; manufacture of products from straw and plaiting materials.
21.20. Production of medicines and materials used for medical purposes.
24. Metallurgical production.
25. Production of finished metal products, except for machinery and equipment.
31. Furniture production.
50. Activities for the provision of places for temporary residence.
56. Activities for the provision of food and drinks

**TRANSPORT ACCESSIBILITY:**

Federal highway R255 Siberia
**189 km**

regional center (Abakan)
**187 km**

Abakan Airport
**192 km**

Abaza Railway loading station
**0.5 km**

ANTON CHAPTYKOV
First Deputy Mayor of Abaza

Tel.: +7 (39047) 2-30-61
abadm@mail.ru
www.fr19.ru
Abaza, 20a Lenina Street

# TASHEBA INDUSTRIAL PARK*

* is under construction

**PARK PROFILE**
universal, with priority accommodation of residents specializing in metalworking, production of construction materials, processing minerals, processing secondary raw materials and waste, packaging production.

**TYPE OF OWNERSHIP**
private

**MANAGEMENT COMPANY**
TransArenda OOO

**PARK INFRASTRUCTURE** power supply (**2 MW / h**),
water supply (**200 m³ / h**),
water disposal (**100 m³ / h**),
heat supply (**8 Gcal / h**).

**PARK RESIDENTS**
15 SME entities



**13.8 HA**

land area

**TRANSPORT ACCESSIBILITY:**

Federal highway R257 Siberia
**3 km**

regional center (Abakan)
**7 km**

Abakan airport
**10 km**

railway
**near the park**

ANDREY FEDCHISHIN
Head of Tasheba industrial park

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aa@tasheba.ru
Republic of Khakassia, Abakan, Abakanvagonmash district, land plot 100

# SPECIAL ECONOMIC ZONE OF INDUSTRIAL TYPE «KHAKASS TECHNOLOGICAL VALLEY»*

* is under construction

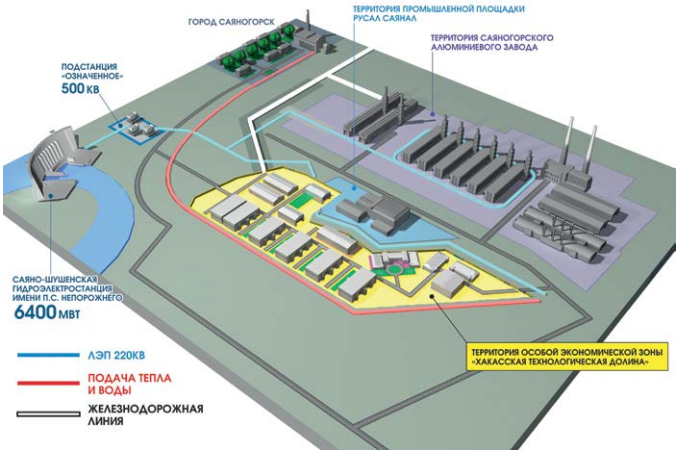
Khakass Technological Valley will be constructed by 2024 and will be located in the boundaries of Sayanogorsk urban district and Beisk district.

**REQUIREMENTS FOR RESIDENTS OF KHAKASS TECHNOLOGICAL VALLEY SEZ:**

1. Amount of capital investments is **not less than 120 million roubles**, including 40 million roubles within 3 years from signing the agreement for activity.

2. Registration on the municipal territory of SEZ.

3. Lack of branches and representative offices outside SEZ.




**285 ha**

land area

## TRANSPORT ACCESSIBILITY:

Federal highway R257 Yenisey
**63 km**

regional center (Abakan)
**74 km**

Abakan airport
**80 km**

closest railway
**3 km**

## BENEFITS FOR RESIDENTS OF SEZ:

| Taxes and tariffs | RF | Khakass technological valley |
|---|---|---|
| Federal income tax | 3% | 2% |
| Regional income tax | 17% | not more than 13,5% |
| Property tax | 2,2% | 0% (up to 10 years) |
| Land tax | 0,3 – 1,5% | 0% (for 5 years) |
| Insurance rates for mandatory pension insurance | 22% | first year – 8%, second – 13%, third– 20% |
| Insurance rates for mandatory social insurance | 2,9% | first year – 2%, second – 2,9%, third – 2,9% |
| Insurance rates for mandatory medical insurance | 5,1% | first year – 4%, second – 5,1%, third – 5,1% |

NATALIA DVORYAK
Head of Department for industrial policy and investment, Ministry of economic development, Republic of Khakassia

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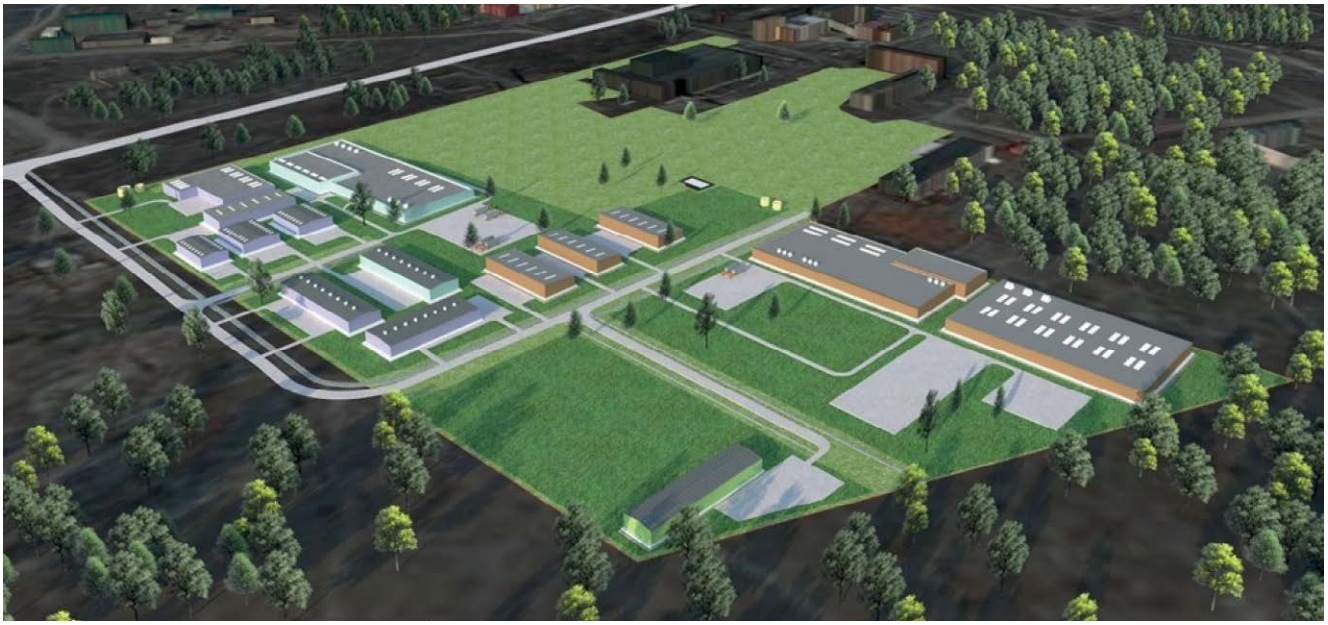
# KYZYL INDUSTRIAL PARK



**PARK PROFILE**

multifunctional (building materials, woodworking, food processing, transport and logistics)

**TYPE OF OWNERSHIP**

state

**MANAGEMENT COMPANY**

OOO MC Kyzyl Industrial Park

**PARK INFRASTRUCTURE**

power supply (**2.0 MW**),
heat supply (**MCU 12.5 MW**),
water supply and disposal (**500 m³ / h**)

**30 ha**

land area

**TRANSPORT ACCESSIBILITY:**

Federal highway R257 Yenisey
**1,5 km**

Central city of the Republic (Kyzyl)
**6 km**

Kyzyl Airport
**6 km**

Minusinsk Railway loading station
**391 km**

NACHYN BORZUK
Managing Director
Kyzyl Industrial Park MC

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promparktyva@mail.ru
Kyzyl, 22 Chulduma pass

# AGROTYVA INDUSTRIAL PARK



**PARK PROFILE**

food industry

**TYPE OF OWNERSHIP**

private

**MANAGING COMPANY**

AgroService17 MC

**PARK INFRASTRUCTURE**

power supply (**2.0 MW**)
heat supply (**10.75 Gcal/h**)
water supply and disposal (**0.87 m³/h**)

**9.5 ha**

total area

**TRANSPORT ACCESSIBILITY:**

Federal highway R257 Yenisey
**1.5 km**

Central city of the Republic (Kyzyl)
**6 km**

Kyzyl Airport
**6 km**

Minusinsk Railway loading station
**391 km**

AIDYS IRGIT
General Director of LLC MC AgroService17

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www.ituva.ru
Kyzyl, st. Kochetova, 25, of. 6

# KRASNOYARSK TECHNOLOGICAL VALLEY SEZ*

* created in accordance with the Decree of the Government of the Russian Federation of December 29, 2020, No. 2332

**MANAGEMENT COMPANY**
AO Krasnoyarsk Regional Energy Company

**REQUIREMENTS FOR RESIDENTS OF KRASNOYARSK TECHNOLOGICAL VALLEY SEZ:**

the minimum amount of capital investments by a resident within the framework of an investment project is **120 million roubles**, including **40 million roubles** within **3 years from the date of the conclusion of the agreement** on the implementation of activities

| Resource | Unit | Price |
|---|---|---|
| Electricity* | rub/kW * hour | 4,28/6,4 |
| Heat | Rub / Gcal | 1172,78 |
| Hot water | rub / cubic meter | 3,83 |
| Steam | Rub / Gcal | 960 |
| Industrial cold water | rub / cubic meter | 3,92 |
| Recycled water supply «clean cycle» | rub / cubic meter | 3,26 |
| Drinking water | rub / cubic meter | 20,79 |
| Wastewater disposal | rub / cubic meter | 13,3 |
| Chemical effluents (oil emulsion) | rub / cubic meter | 374,03 |
| Chemical effluents (acidic) | rub / cubic meter | 579,6 |
| Storm drains | rub / cubic meter | 10,87 |

* Prices of the supplier of last resort PAO Krasnoyarskenergosbyt for consumers of the 3rd price category/
Maximum power of power receiving devices from 670 kW to 10 MW.
Voltage level 10 kV - tariff 4.28 roubles / kW, voltage level 0.4 kV - tariff 6.4 roubles / kW.
Prices are provided without VAT 20%



| Tax | General regime | Planned within the SEZ | Duration of benefits |
|---|---|---|---|
| Corporate income tax: | 20% | 2% | first 10 years |
| | | 15,5% | from the 11th year |
| federal budget | 3% | 2% | for the term of the agreement |
| regional budget | 17% | 0% | first 10 years |
| | | 13,5% | from the 11th year |
| Corporate property tax | 2,2% | 0% | 10 years* |
| Land tax | 1,5% | 0% | 5 years** |

* from the taxable profit receipt
** from the ownership registration

## TRANSPORT ACCESSIBILITY:

Federal highway R255 Siberia
**9 km**

Centre of the Territory (Krasnoyarsk)
**0,5 km**

Krasnoyarsk Airport
**54 km**

Korkino Railway loading station
**0,5 km**

ALEXANDER BARANCHUK
Deputy Director General,
Development Director,
AO KrasEco

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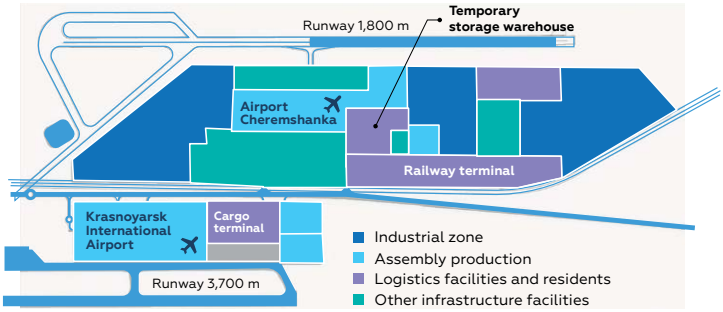
Krasnoyarsk, 10 Mira Prospect

# SEZ TRANSPORTATION, LOGISTICS AND PRODUCTION HUB (planned)




**582,6 ha**
land area, including:

**201,4 ha**
Stage 1

**55,78 ha**
logistic zone

**381,2 ha**
Stage 2

**PARK PROFILE**
transport and logistics, industrial

**TYPE OF OWNERSHIP**
mixed

**INITIATOR OF THE PROJECT**
ERA Group JSC

**INFRASTRUCTURE OF SEZ (IN PROGRESS)**
power supply (20 MW)
heat supply (20 Gcal / h)
water supply (2,000 m³ / day)
water disposal (2,000 m³ / day)

**POTENTIAL PROJECT PARTICIPANTS:**
Air carriers
Forwarders
Integrators
3PL operators
Container operators E-commerce platforms Warehouse operators
Other logistics companies
Electronics
Chemistry
Electrical engineering
Pharmaceuticals
Metalworking
Woodworking
Cosmetics and Personal Care
Machinery and Equipment
Transport Engineering
Medical Equipment

| Resource | Unit | Price* |
|---|---|---|
| Electricity | rub/kW * hour | от 3 |
| Heat | rub/Gcal | от 1 371 |
| Drinking water | rub/cubic meter m | от 21 |
| Wastewater disposal | rub/cubic meter m | от 13 |
| Storm drains | rub/cubic meter m | от 10 |
| Land lease | thousand rubles/ha | от 40 |
| Purchase of a land plot | thousand rubles/ha | от 1 340 |

* Prices are provided without VAT 20%

| Tax | General regime | ОЭЗ | Duration of benefits |
|---|---|---|---|
| Corporate income tax: | 20% | 7%<br>12%<br>15,5% | first 5 years<br>next 5 years<br>from the 11th year |
| federal budget | 3% | 2% | |
| regional budget | 17% | 5%<br>10%<br>13,5% | first 5 years<br>next 5 years<br>from the 11th year |
| Corporate property tax | 2,2% | 0% | 10 years* |
| Land tax | 1,5% | 0% | 5 years** |
| Free customs zone (import and export duties, VAT on equipment, suppliments) | | 0% | |

* from the moment of receipt of taxable profit
** from the moment of registration of ownership

**TRANSPORT ACCESSIBILITY:**

federal highway R255 Siberia
**2 km**

Central city of the Territory (Krasnoyarsk)
**40 km**

Krasnoyarsk Airport
**1 km**

Bugatch Railway loading station
**34 km**

PAVEL KORCHASHKIN
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pek@kja.aero

# INVESTMENT POTENTIAL OF THE YENISEY SIBERIA



# YENISEY SIBERIA IMPLEMENTED PROJECTS

**2021**
Creation of Krasnoyarsk Technological Valley - special economic zone of industrial and production type

**2022**
Launch of Syradasai coal deposit in the Taimyr

**2020**
Construction launch of Vysokogorsk bridge across the Yenisey river

**2020**
Increasing the production capacity of the Chernogorsky open-pit mines and the Abakansky site
1 million tons/year

**2019**
Launch of the 1st stage of the Boguchansky aluminium smelter
298 (600) thousand tons/year

**2018**
Commencement of commercial operation of Kuyumbinskoye field

**2017**
Launch of the Kuyumba – Taishet oil pipeline
8.6 (15) million tons/year

**2017**
Commencement of commercial operation of Yurubcheno-Takhomskoye field

**2016**
Commissioning of the Mairykhsky open-cast mine
5 million tons/year

**2016**
Commencement of commercial coal production at Mezhegeyskoye deposit
2 million tons/year

**2016**
Launch of the 1st stage of sawing production
300 (560) thousand cubic m/year

**2015**
Commencement of commercial operation of Kyzyl-Tashtygskoye field
1 million tons/year

**2015**
Commissioning of Arshanovsky open-cast mine
5 million tons/year

**2014**
Launch of the fourth power unit of the Abakan CHPP
120 MW

**2014**
Commissioning of Priangarsk WPC
300 thousand cubic m/year

**2013**
Completion of the restoration of Sayano-Shushenskaya HPP
6 400 MW

**2012**
Launch of the first hydroelectric units of Boguchanskaya HPP
3,000 MW

**2012**
Commencement of commercial operation of Tardan deposit
700 thousand tons/year

**2009**
Commencement of commercial operation of Vankor field

**2009**
Recovery of commercial coal production at Kaa-Khem deposit
2 (8) million tons/year

# YENISEY SIBERIA COMPREHENSIVE INVESTMENT PROJECT

## PROJECTS OF THE KRASNOYARSK TERRITORY:

### DEVELOPMENT OF DEPOSITS OF PLATINUM GROUP METALS IN CHERNOGORSKOYE AND NORILSK-1 (SOUTHERN PART)

Creation of one of the world's largest and most efficient mining and metallurgy productions.

**Investor:**
Chernogorskaya Mining Compan

2022-2030

**521.0**
**bln RUB**

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### DEVELOPMENT AND EXPLOITATION OF THE PAYYAKH FIELD AND CONSTRUCTION OF SEVER BAY PORT MARINE TERMINAL

The project plans include construction of Sever Port Bay marine terminal with an oil loading terminal, crude oil pressure pipeline, facilities for loading, preparation, storage and transportation of oil, power generation facilities, more than 1000 km of roads, aviation facilities, communications and facilities for social and environmental purposes.

**Investor:**
National Non-Metallic Company, Taymyrneftegaz

2019-2024

**330.0**
**bln RUB**

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### NEW MICRODISTRICT IN THE VILLAGE OF BUGACHEVO, YEMELYANOVSKY DISTRICT

Construction of a modern residential area with the necessary engineering and social infrastructure, built on the principles of environmental friendliness, accessibility and comfort.

**Investor:**
Arban Construction Group

2023-2040

**270.0**
**bln RUB**

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### DEVELOPMENT OF THE ANGARA-YENISEY ECONOMIC REGION

The project provides for construction and expansion of gold mining enterprises in the Angaro-Yeniseisk macroregion of Krasnoyarsk Region, construction of a pulp mill in Yeniseysky district of Krasnoyarsk Region, and construction of a bridge near Vysokogorsky settlement.

**Investors:**
Polyus Krasnoyarsk; Vasilyevsky Rudnik; Sovrudnik; Amikan Mining Company; Novoangarsky Dressing Plant; Government of Krasnoyarsk Region; Segezha Group; Taiga Company; Yenisey Woodworking Company

2021-2028

**186.08**
**bln RUB**

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## INCLUDING SUB-PROJECTS:

### A PULP MILL IN THE YENISEYSK DISTRICT OF KRASNOYARSK REGION

The pulp mill in the Yeniseysk District of Krasnoyarsk Region for the deep integrated processing of wood raw materials for the production of pulp and a wide range of other bioproducts that can be used to replace fossil materials and fuel.

**Investors:**
Taiga Company; Segezha Group

2022-2028

**98.7**
**bln RUB**

## DEVELOPMENT OF GOLD MINING:

### INCREASING THE MINING AND PROCESSING CAPACITY OF THE BLAGODATNOYE DEPOSIT (MILL 5)

Construction of a new gold mill with a capacity of 6 million tons per year at the Blagodatnoye deposit.

**Investor:**
Polyus Krasnoyarsk

2020-2028

**36.7**
bln RUB

### CONSTRUCTION OF A MINING AND PROCESSING FACTORY AT THE VEDUGA GOLD DEPOSIT

Development of the refractory ore deposit Veduga, located in the North Yenisey gold belt in Krasnoyarsk Region, 520 km north of Krasnoyarsk and 160 km south of the regional center - the city of Severo-Yeniseysk. The creation of a new production facility will ensure the creation of about 700 new jobs.

**Investor:**
Amikan Mining Company

2021-2025

**15.9**
bln RUB

### CONSTRUCTION OF A MINING AND PROCESSING COMPANY FOR GOLD PRODUCTION ON THE BASIS OF THE VYSOKOE DEPOSIT IN SEVERO-YENISEYSKY DISTRICT OF KRASNOYARSK REGION

Development of gold deposits in the Noibinskaya area of the Severo-Yeniseysky district of Krasnoyarsk Region.

**Investor:**
Sovrudnik

2019-2023

**12.3**
bln RUB

### INCREASING THE ORE PROCESSING CAPACITY OF THE GOLD CONCENTRATION PLANT

Increasing the ore processing capacity of the gold concentration plant of Vasilievsky Rudnik from 413 thousand tons to 1000 thousand tons and increasing the resources portfolio.

**Investor:**
Vasilyevsky Rudnik

2019-2027

**7.0**
bln RUB

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### CONSTRUCTION OF A BRIDGE THROUGH THE YENISEY RIVER NEAR THE SETTLEMENT OF VYSOKOGORSKY IN YENISEYSKY DISTRICT OF KRASNOYARSK REGION

The bridge will provide a year-round stable transport connection between the centre of the region and Severo-Yeniseysky district - one of the largest centres of the gold mining industry in Russia.

**Investor:**
Government of Krasnoyarsk Region

2020-2023

**8.82**
bln RUB

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### DEVELOPMENT OF THE BOGOLYUBOVSKOYE, UDEREY AND GOREVSKOYE DEPOSITS

Development of deposits with construction/restoration of Mining and Processing Plants. The project includes developing the Bogolyubovskoye gold deposit with the restoration of the Mining and Processing Plant and the construction of an underground mine, developing of the Uderey gold-antimony deposit with the construction of the Mining and Processing Plant, the development of the Gorevskoye lead-zinc deposit with the construction of the Mining and Processing Plant.

**Investor:**
Novoangarsky Dressing Plant

2021-2024

**4.09**
bln RUB

### INCREASING PRODUCTION CAPACITY. CONSTRUCTION OF THE SELTING MODULE WITH INFRASTRUCTURE

Reconstruction of existing and construction of new capacities for the extraction of magnesites from the Kirgiteiskoye and Talskoye deposits and the production of refractory materials.

**Investor:**
Magnesit Group

2022-2025

**1.87**
**bln RUB**

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### MODERNIZATION OF WOODWORKING PRODUCTION

Modernization of timber processing facilities, including the processing of wood waste, including for the production of fuel pellets.

**Investor:**
Yenisey Woodworking Company

2018-2019
(implemented)

**0.7**
**bln RUB**

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### ESTABLISHING OF A MANUFACTURER OF BATTERY METALS. CONSTRUCTION OF A MINING AND PROCESSING WORKS ON THE BASIS OF THE KINGASH AND VERKHNEKINGASH DEPOSITS

Construction of Kingash Mining and Processing Plant will become a new stage in the social and economic development of the south-eastern districts of Krasnoyarsk Region and will give an additional impetus to the development of related sectors of the economy of the Region and nearby regions. The capacity for extraction and processing of ore is 20 million tons per year, the average annual production volume is more than 600 thousand tons of copper-nickel (bulk) concentrate.

**Investors:**
Intergeo;
Kingash Mining Company

2020-2027

**180.0**
**bln RUB**

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### CONSTRUCTION OF A BIOTECHNOLOGICAL COMPLEX FOR DEEP WOOD PROCESSING IN THE BOGUCHANY DISTRICT OF KRASNOYARSK REGION

Expansion of existing production in the field of forest development and production of high value-added products. As part of the construction of the Boguchany timber processing plant, there will be built a unique vertically integrated complex that covers the entire wood processing cycle from forest exploitation to the production of high value-added products. It is also planned to further develop the infrastructure of the Boguchany district – building railway infrastructure facilities (the Karabula-Yarki railway).

**Investors:**
Kraslesinvest;
Taiga Boguchany

2018-2027

**150.8**
**bln RUB**

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### CONSTRUCTION OF ELEGEST – KYZYL – KURAGINO RAILWAY

The result of the project implementation is a backbone railway that will connect the Tyva Republic with Krasnoyarsk Region. The projected railway belongs to the highest category in terms of construction complexity: 512 artificial structures, 8 tunnels, including 2 of them with a length of 0.98 and 3.15 km, 127 bridges with a total length of 16 km, 15,910 linear meters of culverts, 104,954 thousand m3 of earthworks. The construction of the first Elegest-Kyzyl-Kuragino railway in Tuva has been postponed for five years, until 2026.

**Investors:**
Tuva Energy Industrial Corporation; Government of the Russian Federation

2019 (suspended)

**126.0**
**bln RUB**

### CONSTRUCTION OF NIZHNEBOGUCHANY HPP AND THE NECESSARY ASSOCIATED INFRASTRUCTURE

Construction of the Nizhneboguchany HPP and the necessary related infrastructure. The reservoir of the Nizhneborychany HPP will be located on the lands of Boguchansky and Kezhemsky districts. The construction of the HPP will ensure about 3,000 new jobs. The project also provided for the implementation of a set of measures to improve the socio-economic climate: construction of a Business Park – an industrial zone for small businesses, SibFU's research and training centre at the hydropower complex of the HPP, as well as fishery, commercial fishing, commercial, transport and recreational development of the reservoir.

**Investor:**
Nizhneboguchany HPP

2020-2028

**119.3**
**bln RUB**

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### SOUTHERN CLUSTER INTEGRATED PROJEC

The Southern Cluster – a complex of long-term projects aimed at increasing the number of industrial sites in Krasnoyarsk Region. Their implementation will put into operation new mining facilities to extract 4 million tons of ore. At the same time, the capacity of the Zapolyarnaya mine will be increased from 1.2 to 2 million tons.

**Investors:**
Bear Creek; Norilsk Nickel Mining and Metallurgical Company

2018-2028

**90.5**
**bln RUB**

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### DEVELOPMENT OF THE NORTH-WESTERN PART OF THE TAYMYR COAL BASIN

Production of A-grade coal concentrate at a concentration plant in the area of the deposit for its subsequent shipment through a sea terminal in the southeastern part of the Kara Sea at the entrance to the Yenisey Bay along the Northern Sea Route.

**Investor:**
VostokUgol-Dikson

2022-2024

**68.4**
**bln RUB**

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### CREATION AND DEVELOPMENT OF THE INTERNATIONAL HUB BASED ON KRASNOYARSK AND CHEREMSHANKA AIRPORT

Part of the project implementation is reconstruction of the structure – taxiways; extension of the main taxiway to the end of the surfaced runway; construction of a passenger-and-freight railway to Krasnoyarsk airport; renovation of the airport apron at Krasnoyarsk airport; renovation of an artificial runway at Krasnoyarsk airport, including partial or complete replacement of the runway asphalt pavement and reinforced concrete base, renovation of the drainage network and lighting equipment; giving the project area the status of a SEZ; creation of transport, logistics and engineering infrastructure.

**Investors:**
Government of Krasnoyarsk Region; RUSAL; other investors-residents of SEZ

2020-2027

**60.0**
**bln RUB**

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### DEVELOPMENT OF THE HEAT SUPPLY SYSTEM OF KRASNOYARSK, INCLUDING OPTIMIZATION OF THE HEAT SUPPLY STRUCTURE

Development of power capacities in Krasnoyarsk, including comprehensive green modernization and expansion of Krasnoyarsk CHP-1, increase in the capacities of Krasnoyarsk CHP-3. Improvement of the heat supply system in Krasnoyarsk, including optimization of the heat supply structure and replacement of inefficient small boiler houses.

**Investors:**
Siberian Generating Company; Yenisey Territorial Generating Company (TGC 13)

2020-2025

**56.0**
**bln RUB**

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### CONSTRUCTION OF CLASS-A BUSINESS CENTER IN KRASNOYARSK

Construction on the territory of Krasnoyarsk of the largest class-A business centre in Siberia, which includes offices, flats, leisure centres, and the Novoostrovsky residential complex.

**Investor:**
Sibiryak Construction Company

2022-2028

**47.0**
**bln RUB**

### CONSTRUCTION OF A PLANT FOR DEEP PROCESSING OF WHEAT WITH A CAPACITY OF 250 THOUSAND TONS PER YEAR IN KRASNOYARSK REGION

Construction of the plant for deep processing of grain in the amount of at least 250 thousand tons per year. The final products of wheat processing are lactic acid and biodegradable plastic.

**Investor:**
Sibagro Biotech

2019-2026

**40.3**
bln RUB

---

### RENOVATION OF THE SHIPWARD TERRITORY IN SVERDLOVSKY DISTRICT OF KRASNOYARSK

Formation of a fundamentally new modern urban environment of the 21st century, built on the principles of manufacturability, environmental friendliness, accessibility and comfort, by combining residential buildings with exclusive infrastructure, entertainment sites and natural promenade areas.

**Investor:**
Arban Construction Group

2023-2028

**35.0**
bln RUB

---

### DEVELOPMENT OF THE SYRADASAY COAL FIELD

Development of the Syradasay field, including construction of the necessary infrastructure to ensure access to the target production capacities. The development of the Syradasay deposit involves the construction of the West Taymyr industrial cluster for the production of coal concentrates from coking coals on the Taymyr Peninsula with a capacity of 5 million tons per year with an option to increase this capacity to 10 million tons, which includes the following facilities: open-pit coal mine, concentration plant for deep processing with a concentrate yield of more than 60%, a 60-km production road, the Yenisey seaport.

**Investor:**
Nothern Star

2018-2025

**33.8**
bln RUB

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### LOGISTICS PARK IN EMELYANOVSKY DISTRICT OF KRASNOYARSK REGION

Construction of class-A production and warehouse complexes.

**Investor:**
Mega-Stroy-M

2022-2030

**30.0**
bln RUB

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### DEVELOPMENT OF KRASNOYARSK TECHNOLOGICAL VALLEY – A SPECIAL ECONOMIC ZONE FOR INDUSTRY AND PRODUCTION»

Creation of new production facilities for deep processing of aluminium: development of rolling production, production of wheel rims, profiles and consumer goods.

**Investors:**
Government of Krasnoyarsk Region; RUSAL; industrial companies and enterprises

2018-2030

**16.2**
bln RUB

---

### GREENHOUSE COMPANY FOR YEAR-ROUND GROWING OF VEGETABLES UNDER COVERAGE

Creation of a greenhouse complex with an area of 33 hectares near the village of Startsevo in the Yemelyanovsky district based on the best practices of modern high-tech production.

**Investor:**
Solnechny Greenhouse Company

2023-2026

**12.4**
bln RUB

# YENISEY SIBERIA COMPREHENSIVE INVESTMENT PROJECT

## PROJECTS OF THE REPUBLIC OF KHAKASSIA:

### DEVELOPMENT OF THE MAYRYKH AND BEYA-WESTERN OF THE BEYA COAL DEPOSITS WITH THE CONSTRUCTION OF A COAL MINING AND COAL PREPARATION COMPLEX

Construction of a coal mining enterprise and a preparation plant, coal production up to 50 million tons per year.

**Investors:**
Mayrykhsky Mine Managing Company; CoalStar

2019-2030

**91.0**
**bln RUB**

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### CONSTRUCTION OF THE ABAKAN-BIYSK HIGHWAY (TRANSPORT CORRIDOR)

Construction of the Abakan-Biysk transport corridor will ensure lifting of the infrastructural restrictions and accelerate the economic growth. The total length of the Abakan-Biysk transport route is 701.74 km.

**Investor:**
Government of the Republic of Khakassia

2019-2038

**85.2**
**bln RUB**

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### CREATION IN THE REPUBLIC OF KHAKASIA OF A FLEET OPERATOR WITH THE USE OF INNOVATIVE CARS FOR SHIPMENT OF COAL FROM THE BEYA COAL DEPOSIT

Establishment of a fleet operator in the Republic of Khakassia using innovative cars for loading coal from the Beya coal deposit. To implement this project, it is planned to create a fleet of gondola cars to deliver the products from the Beya coal deposit to the ports of the Russian Federation for export.

**Investor:**
CoalStar

2023-2027

**51.0**
**bln RUB**

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### INCREASING THE CAPACITY OF THE ARTYSHTA-MEZHDURECHENSK-TAYSHET RAILROAD

Within the framework of the project, it is planned to increase the throughput and carrying capacity of the section, ensure the uninterrupted export of products to be shipped by rail, as well as increase traffic efficiency at the expense of construction and renovation of public infrastructure.

**Investors:**
Krasnoyarsk Railway; Branch of Russian Railways in Krasnoyarsk

2018-2023

**23.0**
**bln RUB**

**INCREASING THE PRODUCTION CAPACITY OF THE VOSTOCHNO-BEYSKY MINE WITH THE CONSTRUCTION OF THE VBM PROCESSING FACTORY**

Purchase of equipment to increase production capacity.

**Investor:**
SUEK-Khakassia

2018-2023

**9.4**
**bln RUB**

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**CONSTRUCTION OF A RAILWAY TRANSITION FROM THE BEYA COAL DEPOSITS TO THE KIRBA STATION WITH THE CONSTRUCTION OF A RAILWAY BRIDGE THROUGH THE ABAKAN RIVER**

Construction of the road infrastructure of the Beya coal deposit includes the construction of a railway crossing to the stations of Khonykh and Kirba, as well as construction of a bridge across the Abakan River.

**Investors:**
Beya Industrial and Transport Complex

2019-2024

**8.2**
**bln RUB**

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**PERVOMAISKY DAIRY COMPLEX IN BOGRADSKY DISTRICT OF THE REPUBLIC OF KHAKASIA**

Creation of Pervomaisky dairy complex to supply products for the population and farms of the Republic of Khakassia and the south of Krasnoyarsk Region, as well as for large consumers of raw milk (producers of cream, yogurts and other dairy products).

**Investor:**
Pervomayskoye Company

2022-2027

**6.6**
**bln RUB**

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**BUIDING OF RAILWAY AND HIGHWAY INFRASTRUCTURE OF BEYA COAL DEPOSIT**

Building transport infrastructure for shipment of products of enterprises developing the Beya coal deposit.

**Investor:**
Department of Interim Operations

2019-2023

**5.0**
**bln RUB**

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**INCREASED OUTPUT OF COMMERCIAL TAPE, SMOOTH FOIL**

Increase in the production of aluminium tape by 16,350 thousand tons per year for the subsequent production of a spacer, tape for transformers, insulation for cars, screw caps, composite panels, sandwich panels.

**Investor:**
RUSAL SAYAN AL

2019-2025

**1.9**
**bln RUB**

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**INCREASING THE PRODUCTION CAPACITY OF CHERNOGORSKY AND ABAKANSKY MINES**

Purchase of equipment to increase production capacity.

**Investor:**
SUEK-Khakassia

2019-2020

**1.1**
**bln RUB**

# YENISEY SIBERIA COMPREHENSIVE INVESTMENT PROJECT

## PROJECTS OF THE TYVA REPUBLIC:

### CONSTRUCTION OF THE ELEGEST - KYZYL - KURAGYNO RAILWAY AND THE DEVELOPMENT OF THE MINERAL AND RAW MATERIAL ASSETS OF THE TYVA REPUBLIC

Building of a mining enterprise with a capacity of 15 million tons of coking coal per year; creation of a supporting railway that will connect the Tyva Republic with Krasnoyarsk Region; building of a coal terminal with a capacity of 15 million tons per year for transshipment of coal mined at the Elegest deposit and coal of third-party companies.

**Investor:**
Tuva Energy Industrial Corporation

2019-2048

**234.4**
**bln RUB**

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### CONSTRUCTION OF A MINING AND PROCESSING COMPANY ON THE BASIS OF THE AK-SUG PORPHYRY COPPER DEPOSIT

Construction of mining and processing plants on the basis of the Ak-Sug porphyry copper deposit.

**Investors:**
Golevskaya Mining Company; Intergeo

2020-2048

**155.0**
**bln RUB**

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### KRASNOYARSK – ABAKAN – AK-DOVURAK – CHADAN – KHANDAGAYTY – ULAANGOM – KHOVD – URUMQI TRANSBORDER AUTOMOBILE CORRIDOR

Creation of a Russia–Mongolia–China cross-border road corridor (Krasnoyarsk–Abakan–Kyzyl– Khandagaity–Tsagan Tologoy–Urumqi) to expand cross-border trade, inclusion of the Tyva Republic in global transport routes, attracting investments, creation of trading houses in Mongolia and China, a network of logistics centres with special conditions for transportation, storage and partial processing of freights.

**Investor:**
Yenisey Road Mangement Company

2019-2024

**17.8**
**bln RUB**

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### CONSTRUCTION OF A COAL MINING COMPLEX AT MEZHEGEY DEPOSIT OF THE ULUG-KHEM COAL BASIN

The project provides for the construction of a cluster of industrial enterprises which should ensure the smooth operation of the coal mine, obtaining the final marketable product (coal concentrate) and transporting the marketable product to the external network.

**Investor:**
Mezhegeyugol Management Company

2010-2030

**11.0**
**bln RUB**

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### GOLD MINING ENTERPRISE AT THE KARA-BELDIR GOLD DEPOSIT

Design and construction of a vat leaching gold benefication plant for processing about a million tons of gold-bearing ore per year and extracting about 2 tons of gold per year.

**Investor:**
Kara-Beldir Company

2025-2031

**9.3**
**bln RUB**

### DEVELOPMENT OF THE TARDAN GOLD DEPOSIT

The project involves the construction of infrastructure facilities for beneficiation factories and extraction of ore gold.

**Investor:**
Tardan Gold

2018-2027
(implemented)

**6.4**
bln RUB

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### VIZITTUVA.RU TOURIST AND RECREATION CLUSTER

Creation of a cost-effective cluster that meets modern technical and organizational requirements, activating the development of tourism in the Tyva Republic in the Siberian Federal District along R-257 federal highway for the route Turan – Kyzyl – Chadan – Khandagaity – the state border with Mongolia. The implementation of the project will create conditions for the development of cross-border tourism, interregional and international cooperation.

**Investor:**
State-Private Partnetrship participant

2022-2025

**3.5**
bln RUB

---

### CUSTOMS AND LOGISTICS TERMINAL, A CERTIFIED TEMPORARY STORAGE WAREHOUSE, AND A HOTEL IN THE IMMEDIATE VICINITY OF THE KHANDAGAYTY AUTOMOBILE CHECKPOINT

Building of border infrastructure for the development of trade and economic relations between the regions of Central Siberia and the territories of Western Mongolia and Western China. Activation and expansion of interregional cooperation against the background of common international plans based on close and coordinated cooperation in the integration of promising cross-border projects.

**Investor:**
State-Private Partnetrship participant

2018-2027

**3.0**
bln RUB

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### GIVING KYZYL AIRPORT THE INTERNATIONAL STATUS AND OPENING IN IT AN INTERNATIONAL CHECKPOINT THROUGH THE STATE BORDER OF THE RUSSIAN FEDERATION

Establishment of a checkpoint across the state border of the Russian Federation at the airport of Kyzyl in order to increase the volume of passenger traffic, increase transport accessibility and investment attractiveness of the Tyva Republic, develop and strengthen relations with foreign partners.

**Investor:**
State-Private Partnetrship participant

2019-2024

**0.48**
bln RUB

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### SUPER-SPECIALITY DENTAL POLYCLINIC IN KYZYL

1. To complete and commission the building of the dental hospital in order to replace the existing dilapidated building of the Dental Clinic and to tackle the issue of providing dental care to the population of the Tyva Republic in decent conditions.

2. To provide the maximum number of jobs for the medical personnel of the Dental Clinic, providing them with the best working conditions that meet modern standards of medical dental care.

**Investor:**
State-Private Partnetrship participant

2023-2025

**0.27**
bln RUB

# YENISEY SIBERIA PROSPECTIVE INVESTMENT PROJECTS

## KRASNOYARSK REGION:

### GERMANIUM DEPOSIT DEVELOPMENT

The project involves the development of a new germanium deposit in Krasnoyarsk Region and creation of a unique, complete production complex in the Russian Federation, from mining to production of germanium-based products.

**Investor:**
Berezovskoye mine management company

2022–2025

**7.9 bln RUB**

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### LINE GRAIN SILO CONSTRUCTION

Contracted production of grains, pulses and oilseeds of at least 0.5 MTA

**Investor:**
NZSK LLC

2023–2030

**5.0 bln RUB**

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### CREATION OF A SCIENCE AND TECHNOLOGY PARK IN THE YEMELYANOVSKY DISTRICT OF KRASNOYARSK REGION

The project involves the establishment of a scientific and production complex for the manufacture of electrical goods.

**Investor:**
Bright Energy LLC

2023–2026

**4.9 bln RUB**

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### OPENING OF THERMAL COMPLEX IN KRASNOYARSK

The project includes the creation of a sports and recreation centre which will become a new recreational area for citizens and visitors of Krasnoyarsk. The centre envisages the construction of thermal complex, swimming pools and other recreation areas.

**Investor:**
Mira LLC

2022–2025

**1.3 bln RUB**

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### CONSTRUCTION OF A RECREATION FACILITY ON THE TERRITORY OF KRASNOYARSK AGLOMERATION

Creation of a health and tourism eco-complex in the Tartat village of the urban district of Zheleznogorsk, closed administrative territorial unit.

**Investor:**
Soyuzmash-engineering LLC

2023–2025

**4.0 bln RUB**

### CABLE ROAD OVER THE YENISEY RIVER IN KRASNOYARSK

The project is aimed at uniting the tourist, recreational and residential areas of the city by building a cable road over the Yenisey river. The length of the cable way will make from 2.2 up to 4 km and the number of passengers carried will make from 900 to 1200 thousand people per year depending on the route option.

**Investor:**
GK Granit LLC

2020–2024

**2.0 bln RUB**

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### RAPESEED PROCESSING PLANT CONSTRUCTION

The project involves the construction of a rapeseed processing plant in the Krasnoyarsk Region with the capacity of 1,000 tpd.

**Investor:**
Legendagro Holding LLC

2022–2026

**3.0 bln RUB**

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### WATER PARK WITH A HOTEL COMPLEX IN KRASNOYARSK

The project involves the construction and launch of a water park with a hotel complex in Krasnoyarsk to provide sports and entertainment services to residents and guests of the city. The water park will become one of the sights of Krasnoyarsk and will attract a large number of tourists including people from neighbouring cities and regions.

**Investor:**
Termit LLC

2018–2025

**10.0 bln RUB**

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### CONSTRUCTION OF HOTEL AND APARTMENT COMPLEX OF CLASS A+ IN SOVIETSKY DISTRICT OF KRASNOYARSK

The project provides for the construction of a 5-star hotel with a total area of 15 thousand square meters with 140 rooms.

**Investor:**
Sibinvest

2023–2025

**1.5 bln RUB**

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### PRODUCTION OF MODULAR BUILDINGS

The project involves setting up production of modular buildings the territory of the Krasnoyarsk agglomeration.

**Investor:**
KSK LLC

2023–2025

**1.0 bln RUB**

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### CONSTRUCTION OF AN AGRICULTURAL LOGISTICS COMPLEX

The project involves the construction of a modern agro-logistic complex in Krasnoyarsk region with full cycle of technological operations and simultaneous storage of up to 50,000 tonnes of grain at a time.

**Investor:**
Sodruzhestvo group of companies

2023–2025

**0.5 bln RUB**

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### CONSTRUCTION OF A NITRILE GLOVE FACTORY

The project will establish a unique production facility in the Krasnoyarsk Region for the manufacturing of nitrile gloves made of artificial rubber.

**Investor:**
RosSpetsZaschita LLC

2023–2024

**0.3 bln RUB**

## REPUBLIC OF KHAKASIA:

### ESTABLISHMENT OF THE TASHEBA INDUSTRIAL PARK IN THE REPUBLIC OF KHAKASSIA

Construction of engineering and transport infrastructure and industrial real estate complex of Greenfield type industrial park. Specialisation is universal with priority accommodation of residents engaged in metalworking, production of construction materials, processing of mineral resources, recycling of secondary raw minerals and run-offs, packaging production. Tasheba Industrial Park will be provided with all the required utilities and transport infrastructure.

**Investor:**
TransArenda OJSC

2022–2024

**1.3**
**bln RUB**

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### CREATION OF A SPECIAL ECONOMIC ZONE OF INDUSTRIAL AND PRODUCTION TYPE

The Khakassia Technological Valley is planned to be located on a vacant territory within the boundaries of RUSAL Sayanogorsk Aluminium Smelter JSC production site. The main advantages for the residents will be high availability of energy in the region, well-developed railway infrastructure and personnel training system, including secondary vocational and higher educational institutions.

**Investor:**
RUSAL JSC

2023–2072

**30.0**
**bln RUB**

## TYVA REPUBLIC:

### DEVELOPMENT OF KAA KHEM AND CHADAN AREAS OF COAL DEPOSITS

The project provides for the construction of a mining and processing plant and related infrastructure (a road between the MPP and Zhuravlevo railway station, a transshipment complex and a 220V power supply line).

**Investor:**
TGRK LLC

2023–2025

**79.5**
**bln RUB**

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### EXPLORATION AND MINING OF STONE COAL ULUG-KHEM COAL BASIN

Creation of a highly efficient enterprise assuring extraction of about 9 MTA of rock mass and a coal-preparation plant ensuring the production of about 7.5 MTA of coking coal concentrate.

**Investor:**
UlughemUgol LLC

2010–2028*

* depends on the construction deadlines of Kyzyl - Kuragino railway

**actual investment of RUB:**
**1.3**
**bln RUB**

**planned investments in the mine construction:**
**51**
**bln RUB**

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### SETTING UP TIMBER PRODUCTION FULL CLOSED CYCLE

Creation of an industrial complex for timber processing, producing kits for the construction of wooden houses with the self dependent procurement of raw materials.

**Investor:**
Verba LLC

2020–2027

**0.7**
**bln RUB**

## ESTABLISHMENT OF A PRODUCTION FACILITY FOR THE PRIMARY PROCESSING OF WOOL

Establishment of a production facility for the primary processing of wool. The construction of a woolen products factory will allow the processing of sheep wool and the production of woolen products.

**Investor:**
Sergeikhinsky Textile

2022–2024

**0.24**
**bln RUB**



# YENISEY SIBERIA DEVELOPMENT CORPORATION – COMPREHENSIVE PROJECT ADMINISTRATION

## FOCUS

Creation of conditions for the fulfilment of the social and economic potential as well as for spatial development of the Krasnoyarsk Territory, the Tyva Republic and the Republic of Khakassia.
The corporation is a single enterprise for support of investment projects on the territory of three constituent entities. The Corporation is focused on the maximum efficiency of investments, a multiplier effect for the economy and social sphere.

## CORPORATION'S KEY WORK DIRECTIONS::

### 1. Comprehensive investment projects administration

As a priority, the Corporation accompanies investment projects that are part of the Yenisey Siberia CIP, ensuring the maximum acceleration of all procedures required to launch an investment project. The corporation acts as an investment and financial advisor.

### 2. Primary support of potential investors

The direction is responsible for marketing research, development and analysis of financial models, road maps preparation for the launch of large and medium investment projects. The Corporation also develops investment proposals and search for local and foreign investors.

### 3. Interaction with federal authorities, development institutions, expert community and public organizations

The Corporation ensures the interaction of investors with federal authorities, development institutions and experts. It monitors opportunities for obtaining state support, prepares proposals for the application of federal support for the investment projects implementation. The Corporation also prepares proposals for the participation of the Yenisey Siberia regions in federal programs implementation.

### 4. Positioning of the Yenisey Siberia CIP at the Russian and international levels

The corporation is shaping a positive image of the Yenisey Siberia CIP and its member projects by engaging the media. The direction also includes the promotion of the Yenisey Siberia CIP and investment projects in the framework of Russian and foreign events and exhibitions.

### 5. Promoting cooperation of investors with representatives of SMEs, scientific and educational complex

It is important not only to attract investments to create production facilities but also to keep a stable demand for local goods, works and services during major investment projects implementation. The corporation promotes the localization of investor orders in the Yenisey Siberia regions.

### 6. Staffing

The Corporation ensures the development of a set of measures for staffing the organizations - participants of the Yenisey Siberia CIP through the effective search and use of labour resources, increasing labour mobility of residents of the Yenisey Siberia regions.

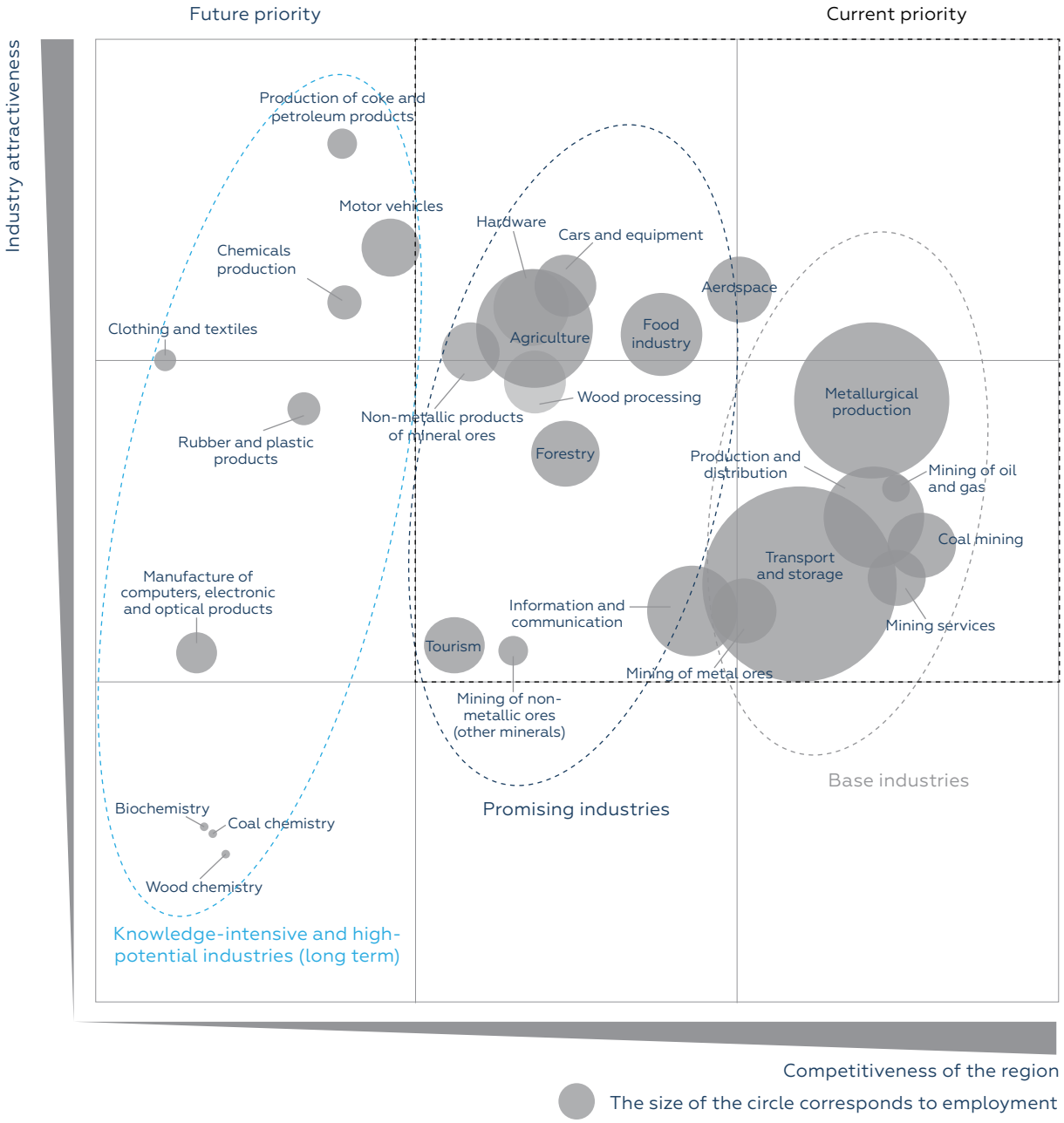
### 7. Implementation of social projects and programs

The Corporation provides assistance to investing companies in the implementation of social projects and programs, including the creation of social infrastructure in the Yenisey Siberia regions.

# INVESTMENT OPPORTUNITIES OF THE YENISEY SIBERIA



# DIRECTIONS OF FUTURE DEVELOPMENT




## INDUSTRY GROUPS

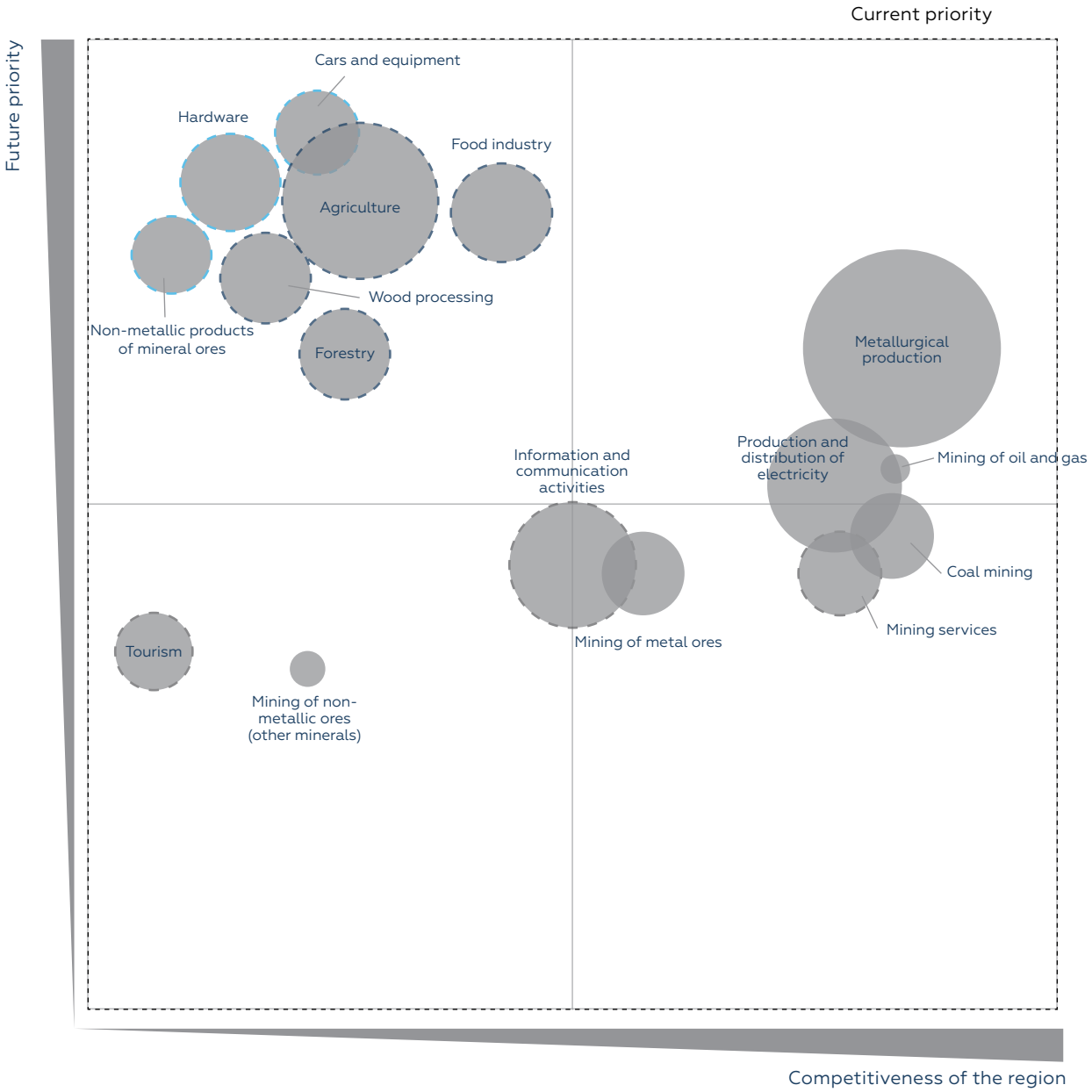
**Primary industries**
high competitiveness of the YS, average attractiveness

**Developing (promising) industries**
average competitiveness, attractiveness above average

**Knowledge-intensive and high-potential industries**
high attractiveness and low development at the moment

The attractiveness for the innovation cluster (wood chemistry, biochemistry and coal chemistry) has not been assessed with a high degree of reliability, since there is little data on the output and efficiency of industries for the YS and the Russian Federation

# PRIORITY INDUSTRIES




**Extractive sector**
- extraction of crude oil, gas
- coal mining
- mining of metal ores
- mining of non-metallic ores
- metallurgical production

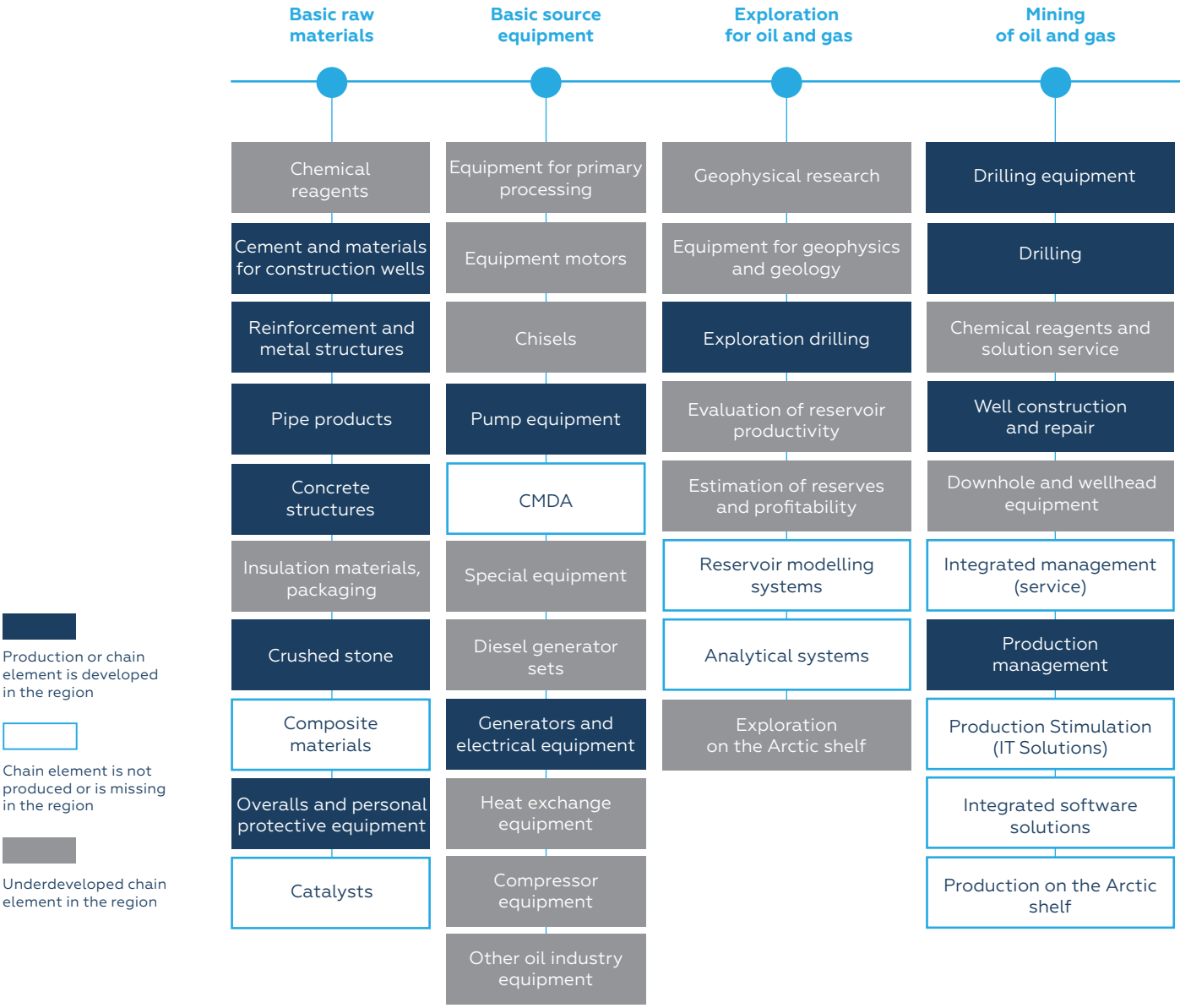
**Industrial sector**
- manufacture of machinery and equipment
- manufacture of metal products
- production of non-metallic products, mineral ores

**AIC and WPC**
- Agriculture
- Forestry
- Wood processing
- Food industry

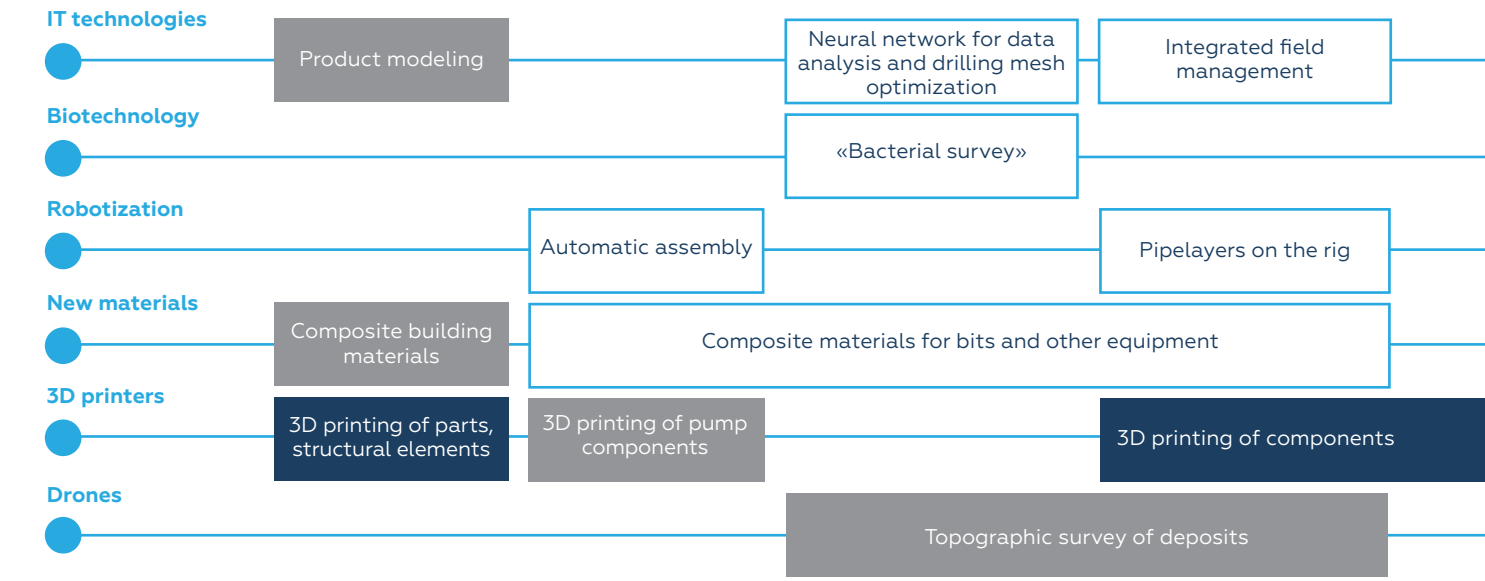
**Infrastructure Industries**
- production and distribution of electricity
- transport and logistics infrastructure
- IT infrastructure

**Services**
- tourism
- Mining services
- IT

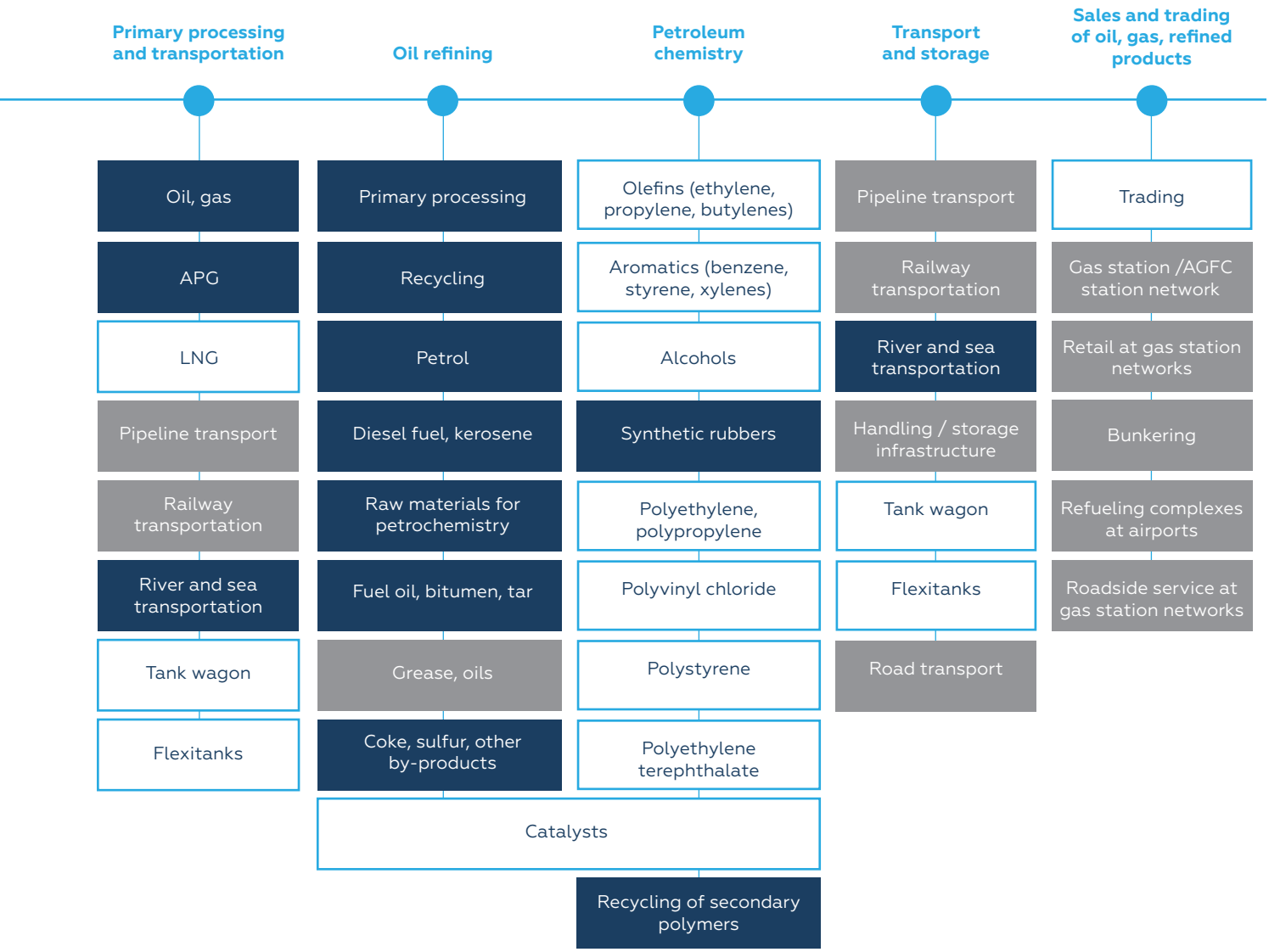
# OIL AND GAS PRODUCTION

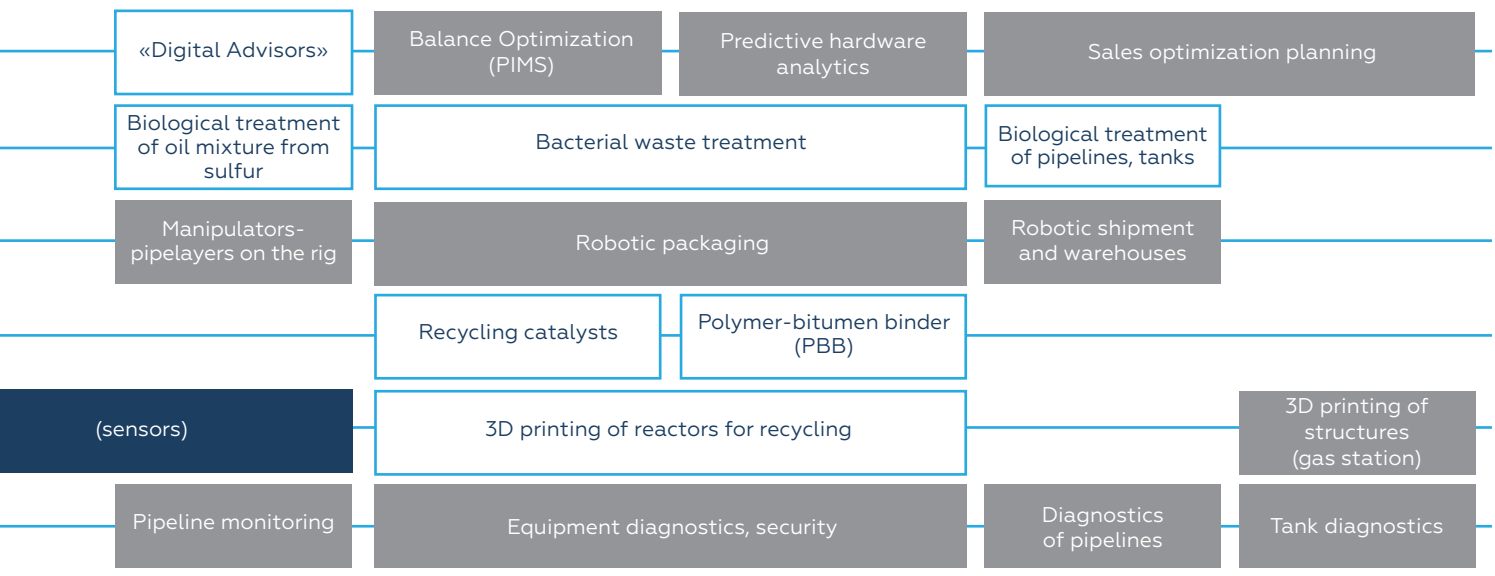



## BREAKTHROUGH TECHNOLOGIES

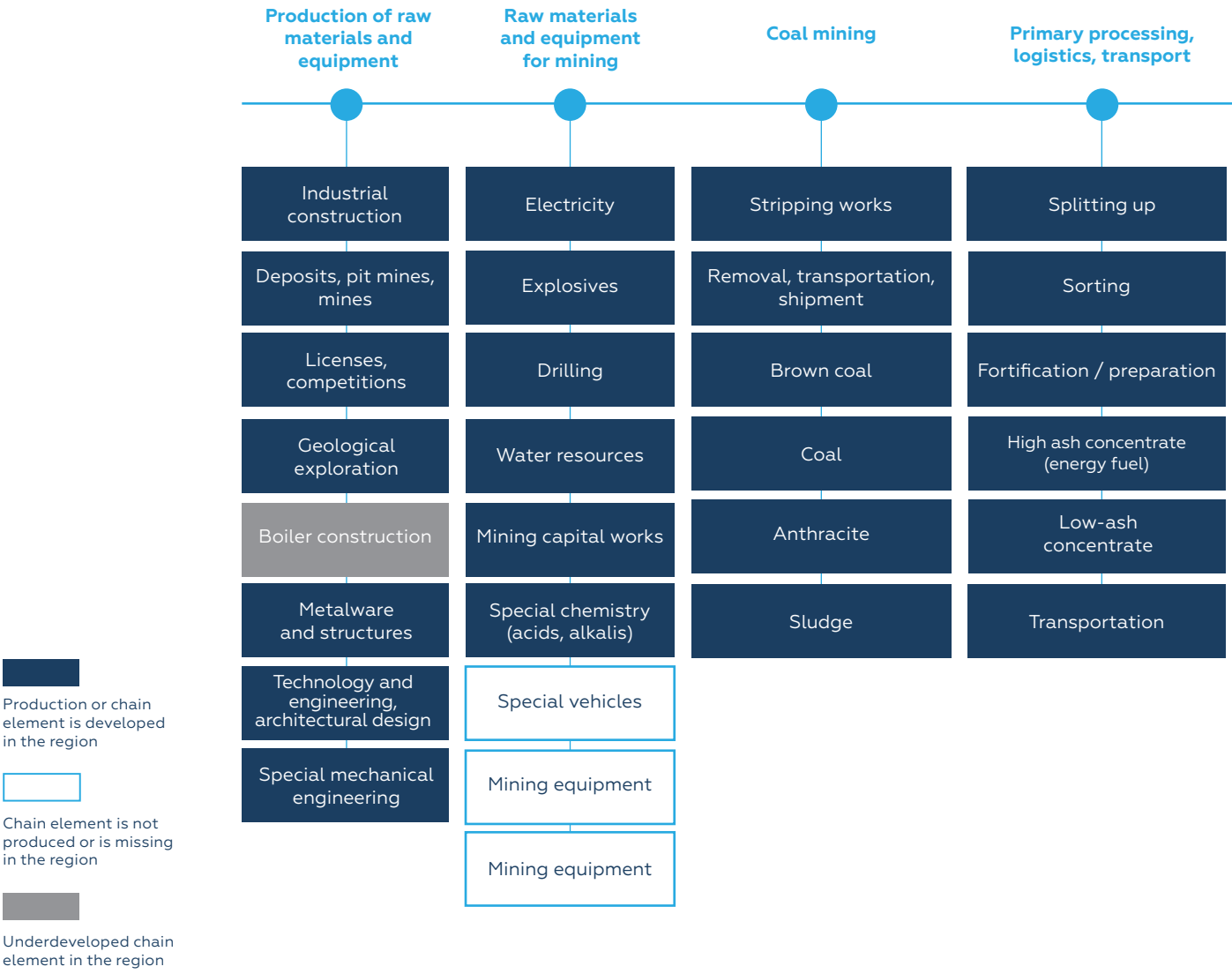


# AND PROCESSING

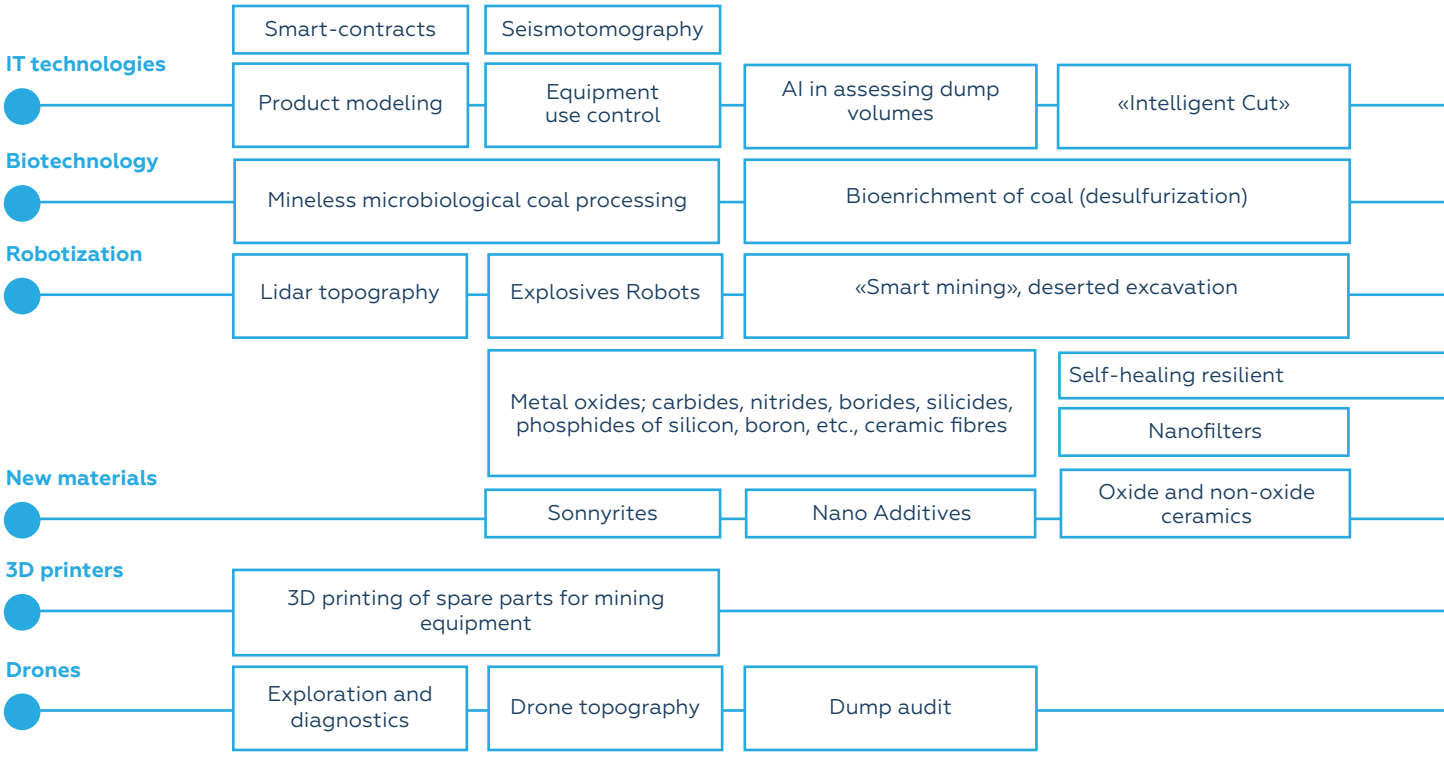


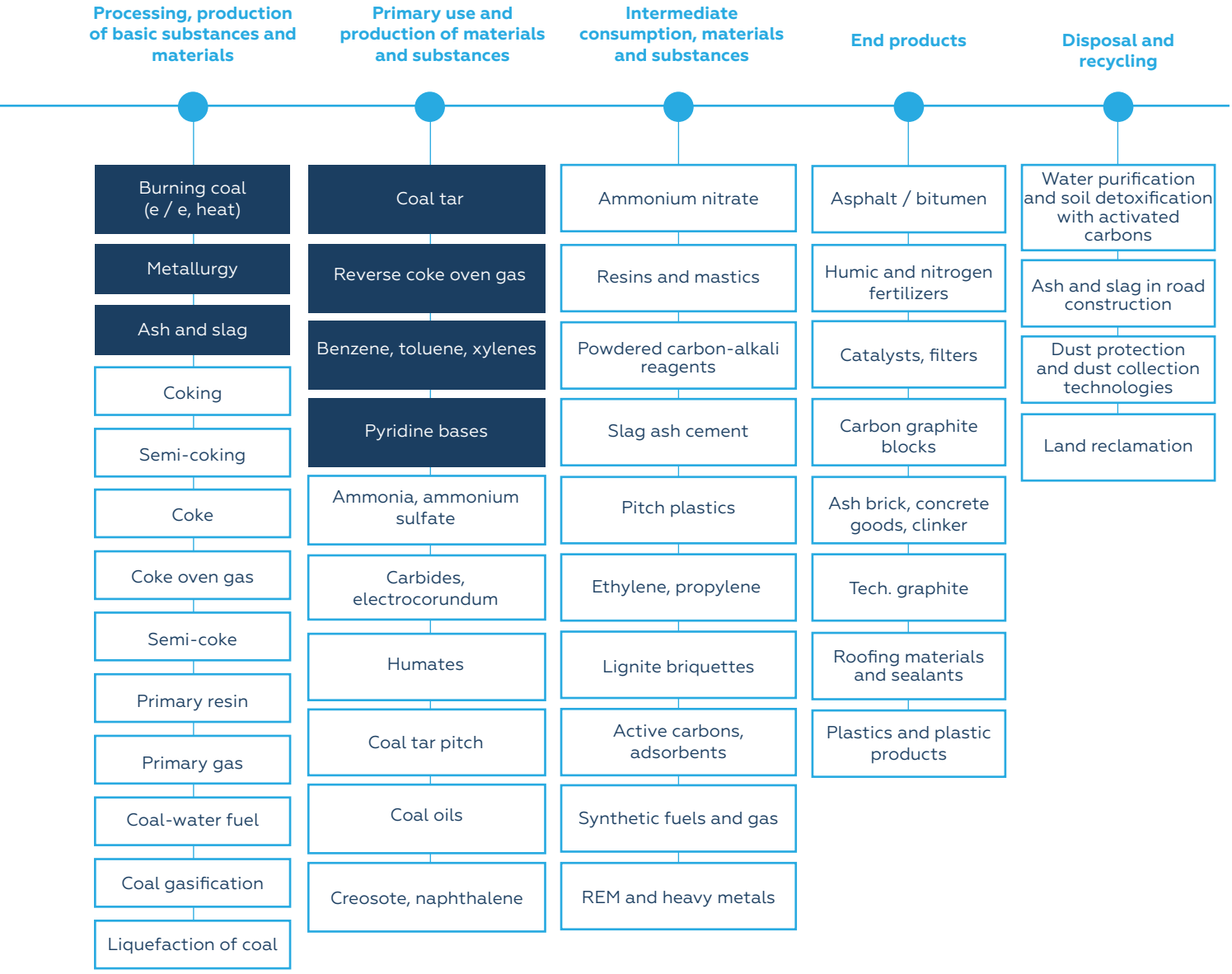
# COAL MINING AND

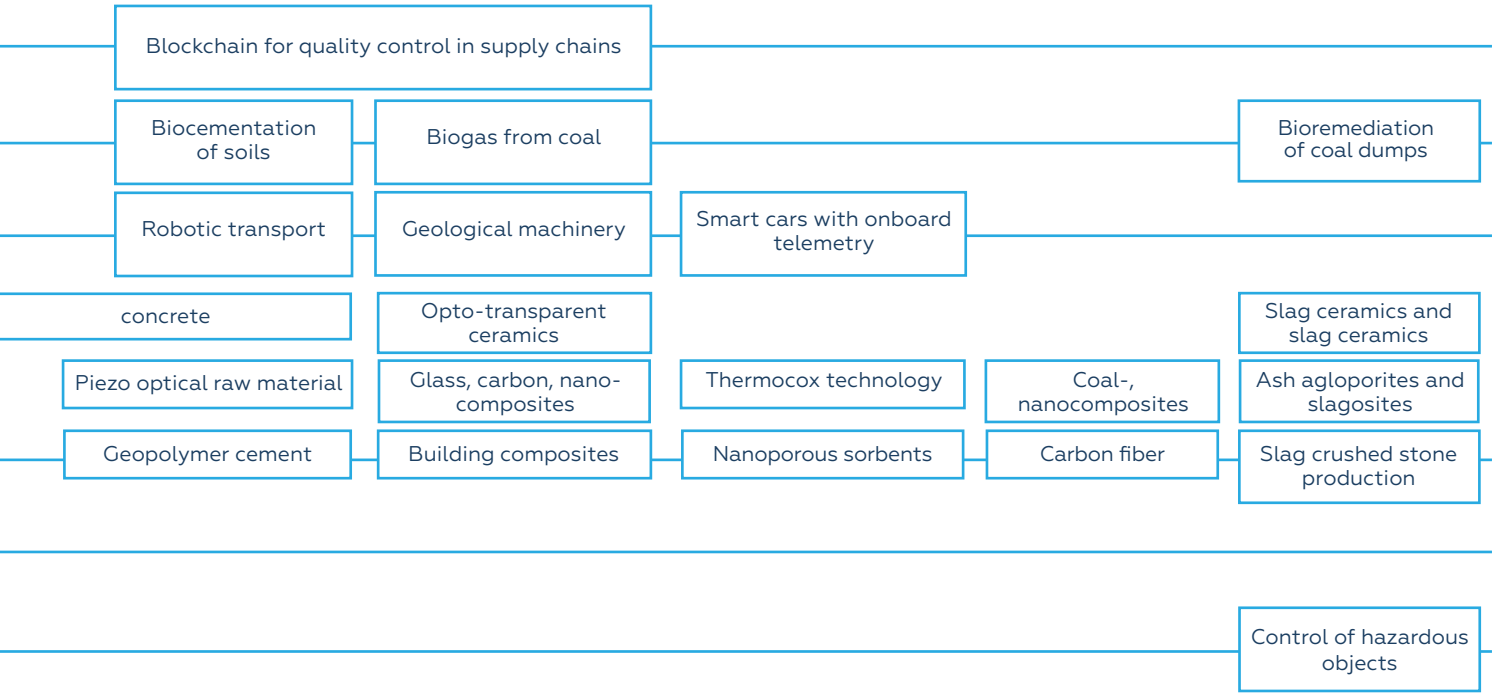



## BREAKTHROUGH TECHNOLOGIES

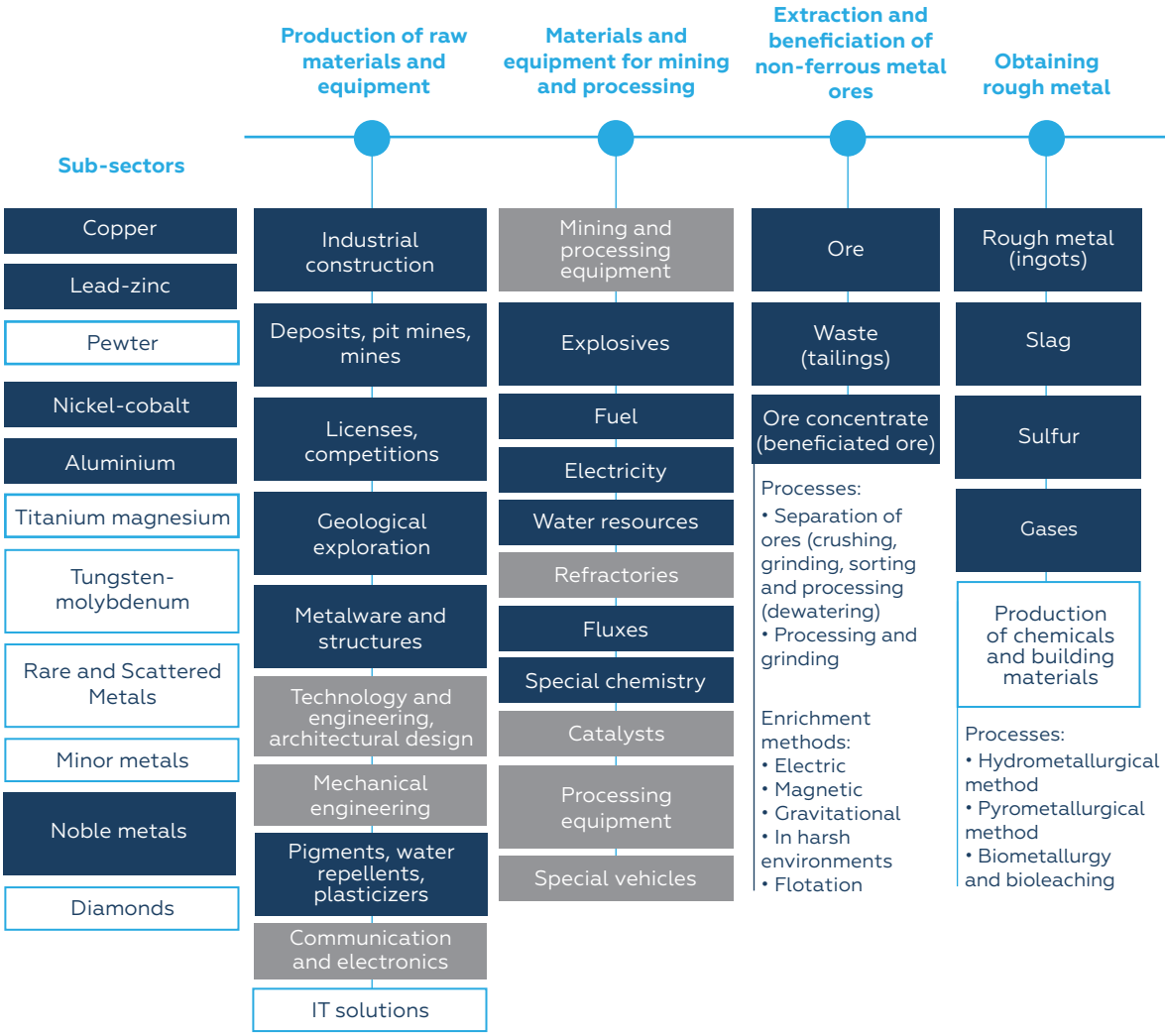


# PROCESSING

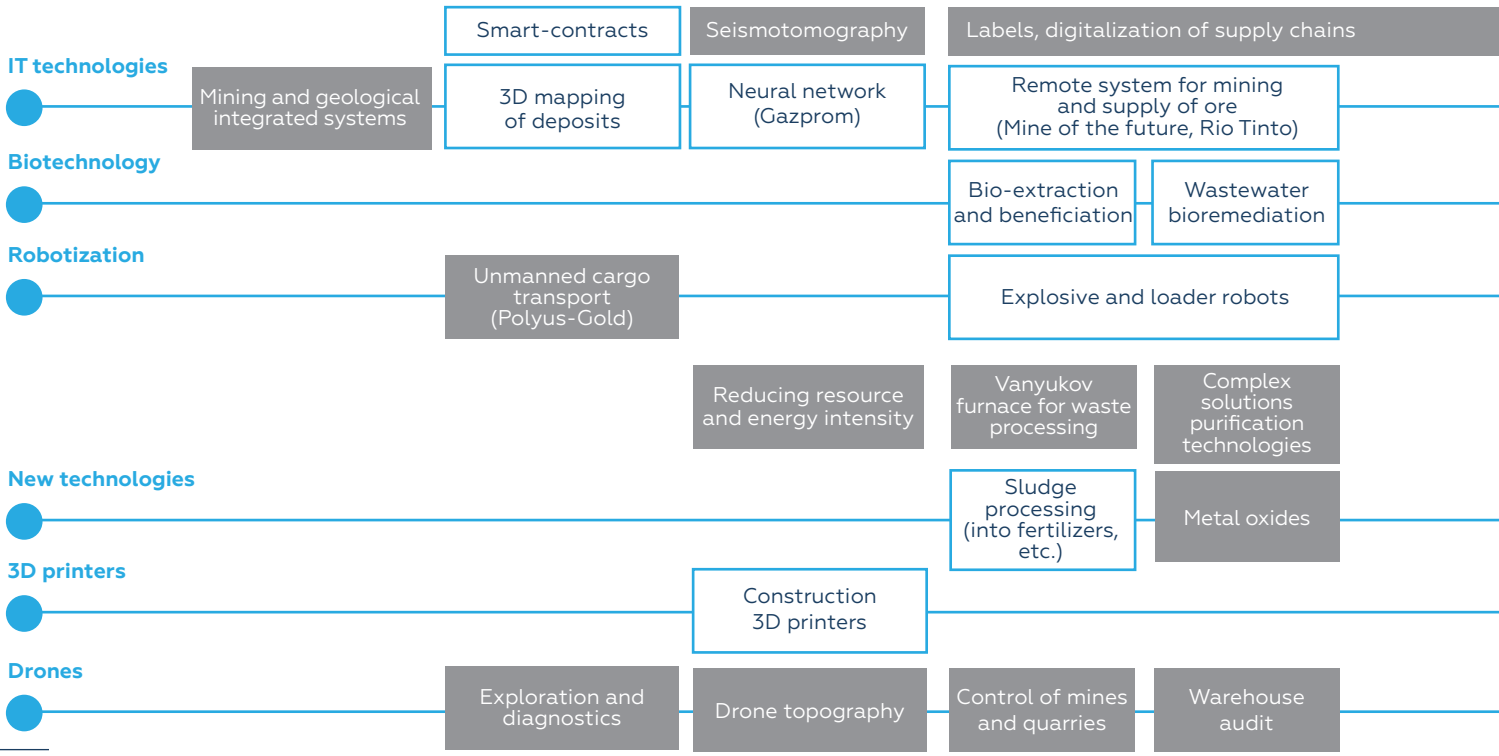

Processing, production of basic substances and materials
Primary use and production of materials and substances
Intermediate consumption, materials and substances
End products
Disposal and recycling
Burning coal (e / e, heat)
Metallurgy
Ash and slag
Coking
Semi-coking
Coke
Coke oven gas
Semi-coke
Primary resin
Primary gas
Coal-water fuel
Coal gasification
Liquefaction of coal
Coal tar
Reverse coke oven gas
Benzene, toluene, xylenes
Pyridine bases
Ammonia, ammonium sulfate
Carbides, electrocorundum
Humates
Coal tar pitch
Coal oils
Creosote, naphthalene
Ammonium nitrate
Resins and mastics
Powdered carbon-alkali reagents
Slag ash cement
Pitch plastics
Ethylene, propylene
Lignite briquettes
Active carbons, adsorbents
Synthetic fuels and gas
REM and heavy metals
Asphalt / bitumen
Humic and nitrogen fertilizers
Catalysts, filters
Carbon graphite blocks
Ash brick, concrete goods, clinker
Tech. graphite
Roofing materials and sealants
Plastics and plastic products
Water purification and soil detoxification with activated carbons
Ash and slag in road construction
Dust protection and dust collection technologies
Land reclamation


Blockchain for quality control in supply chains
Biocementation of soils
Biogas from coal
Bioremediation of coal dumps
Robotic transport
Geological machinery
Smart cars with onboard telemetry
concrete
Opto-transparent ceramics
Slag ceramics and slag ceramics
Piezo optical raw material
Glass, carbon, nano-composites
Thermocox technology
Coal-, nanocomposites
Ash agloporites and slagosites
Geopolymer cement
Building composites
Nanoporous sorbents
Carbon fiber
Slag crushed stone production
Control of hazardous objects

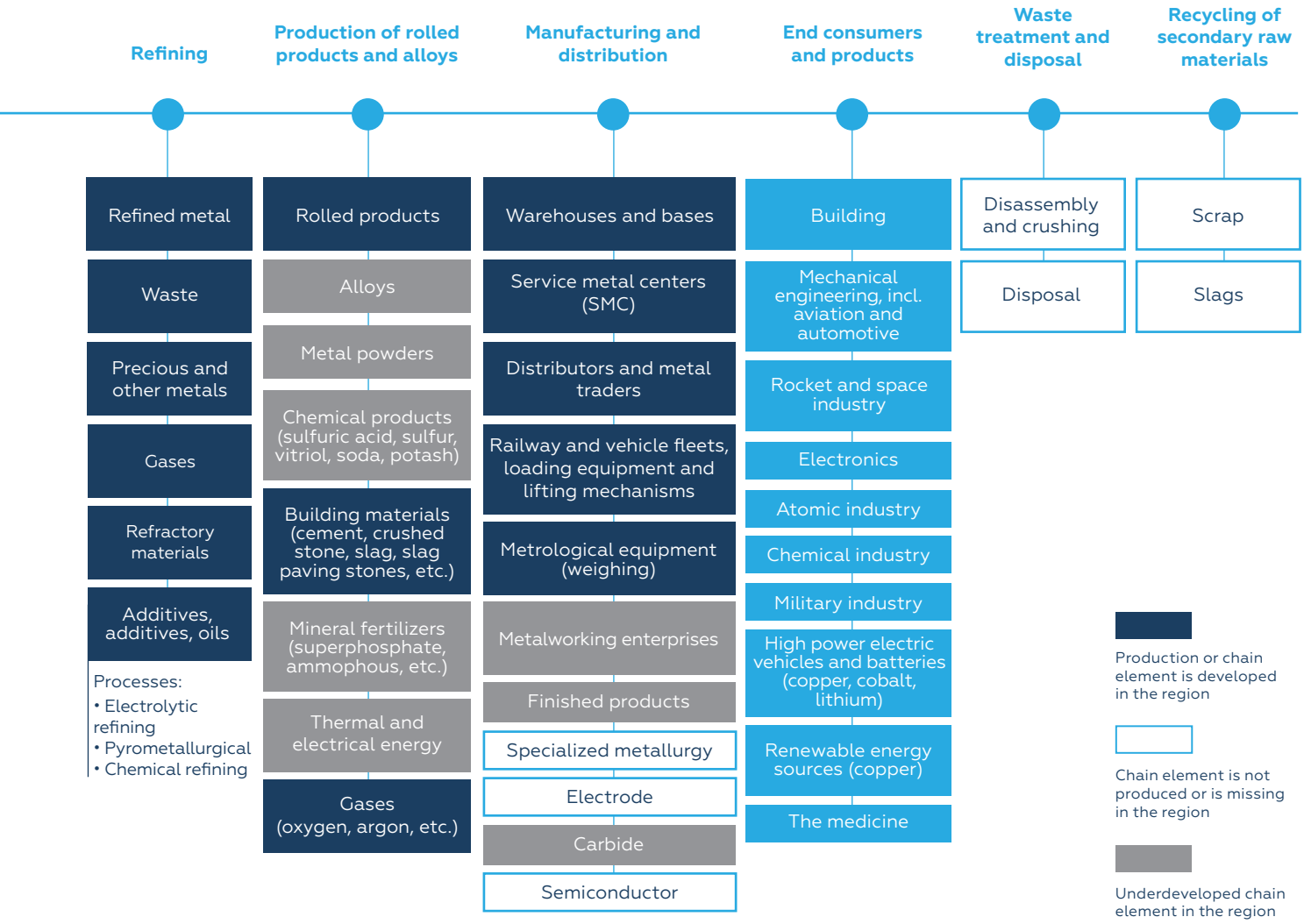
# NON-FERROUS METALS




## BREAKTHROUGH TECHNOLOGIES



# MINING AND PROCESSING




Raw material quality assessment, dispatching

Assessment of the quality of finished products

Logistics management and dispatching system

Wastewater bioremediation

Reducing emissions of harmful substances

The latest alloys, including those with specified properties

Rolling equipment for high-precision parts

3D printing and additive technologies

Waste-free technological processes

Chemical and instrumental methods of scrap sorting

New materials for refining

Nanopowders

Over-processing, delivery, control, engineering

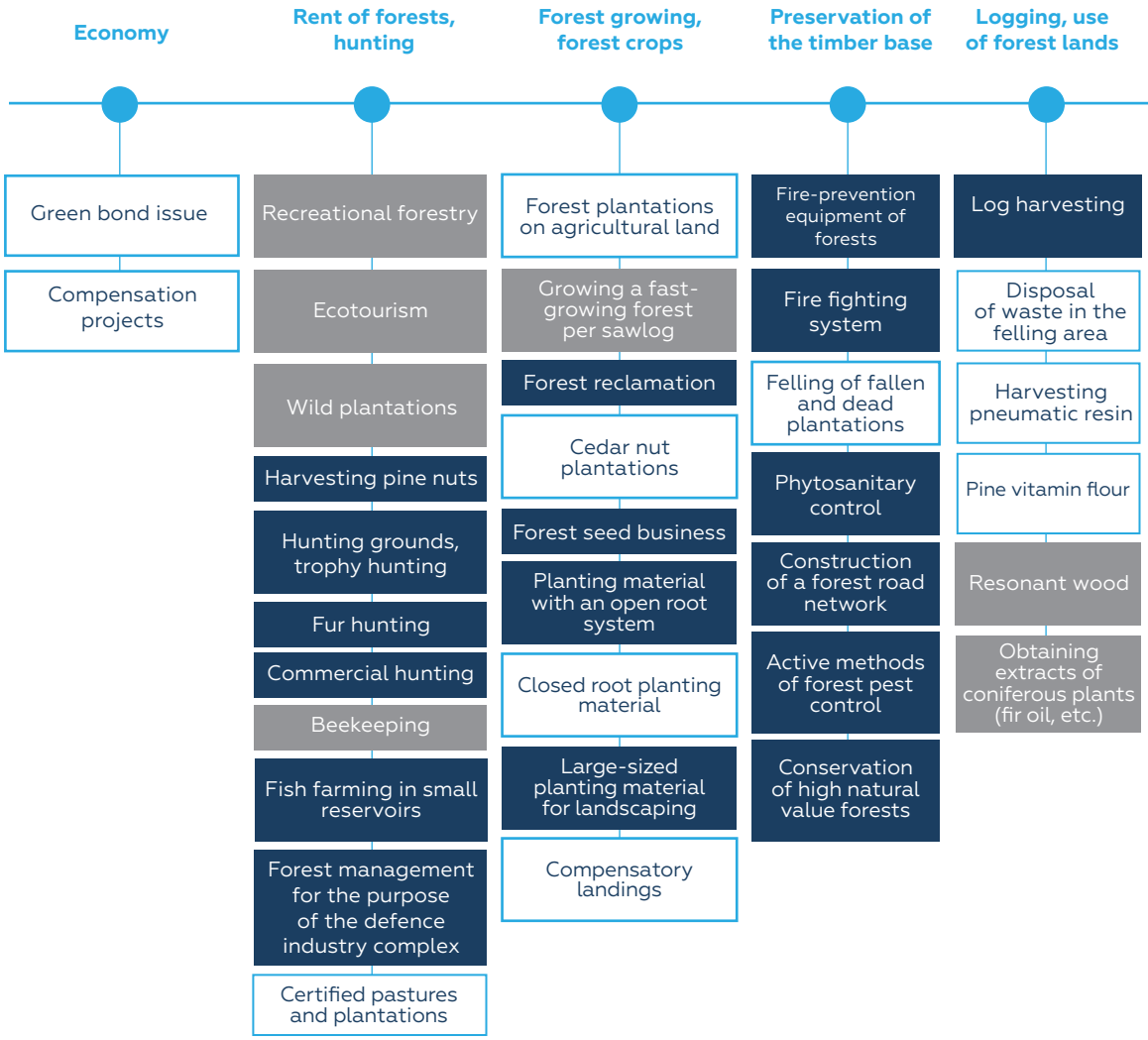
Integrated use of metallurgical raw materials

3D printing alloys

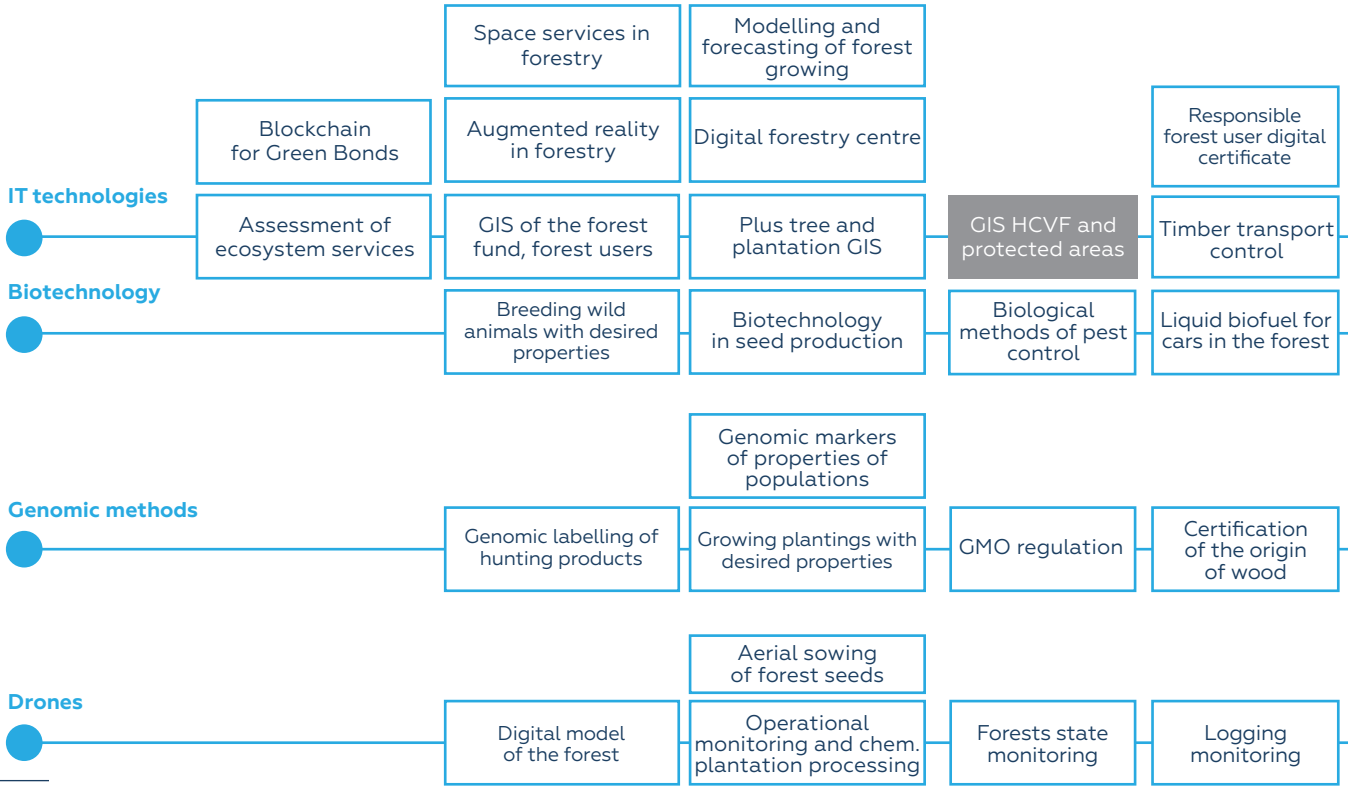
3D printing of metal products

Waste control

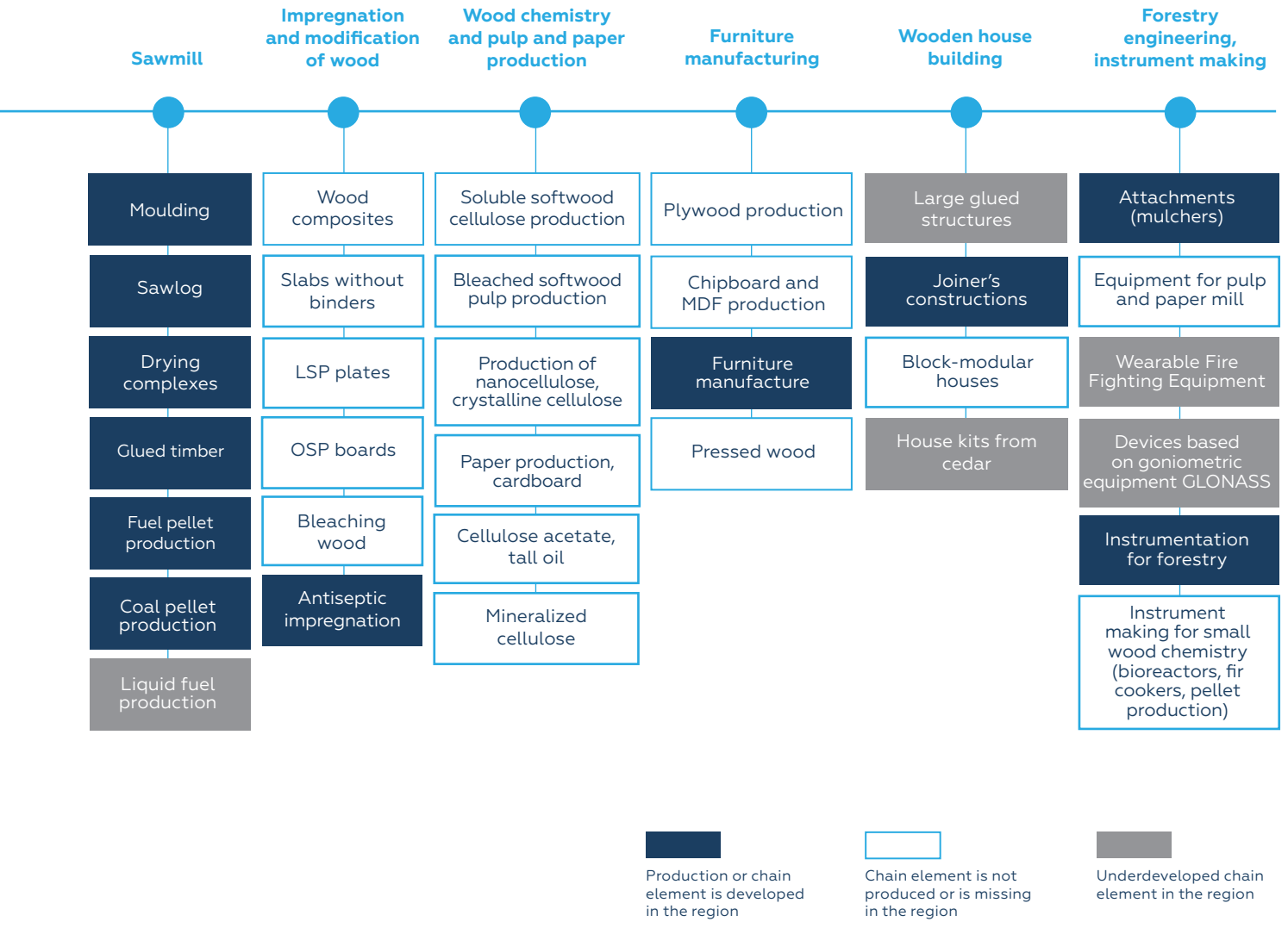
# FOREST INDUSTRIAL

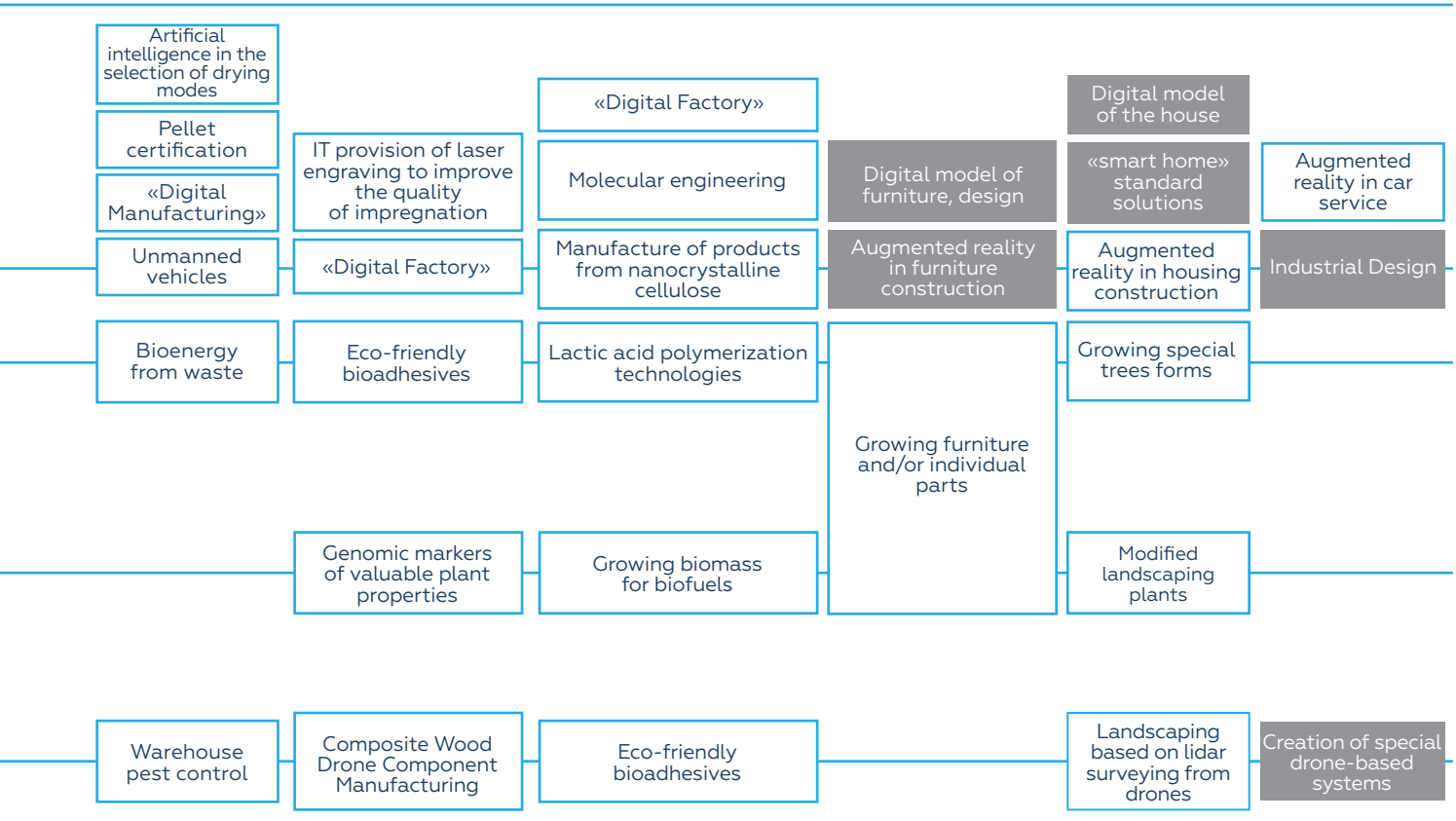



## BREAKTHROUGH TECHNOLOGIES

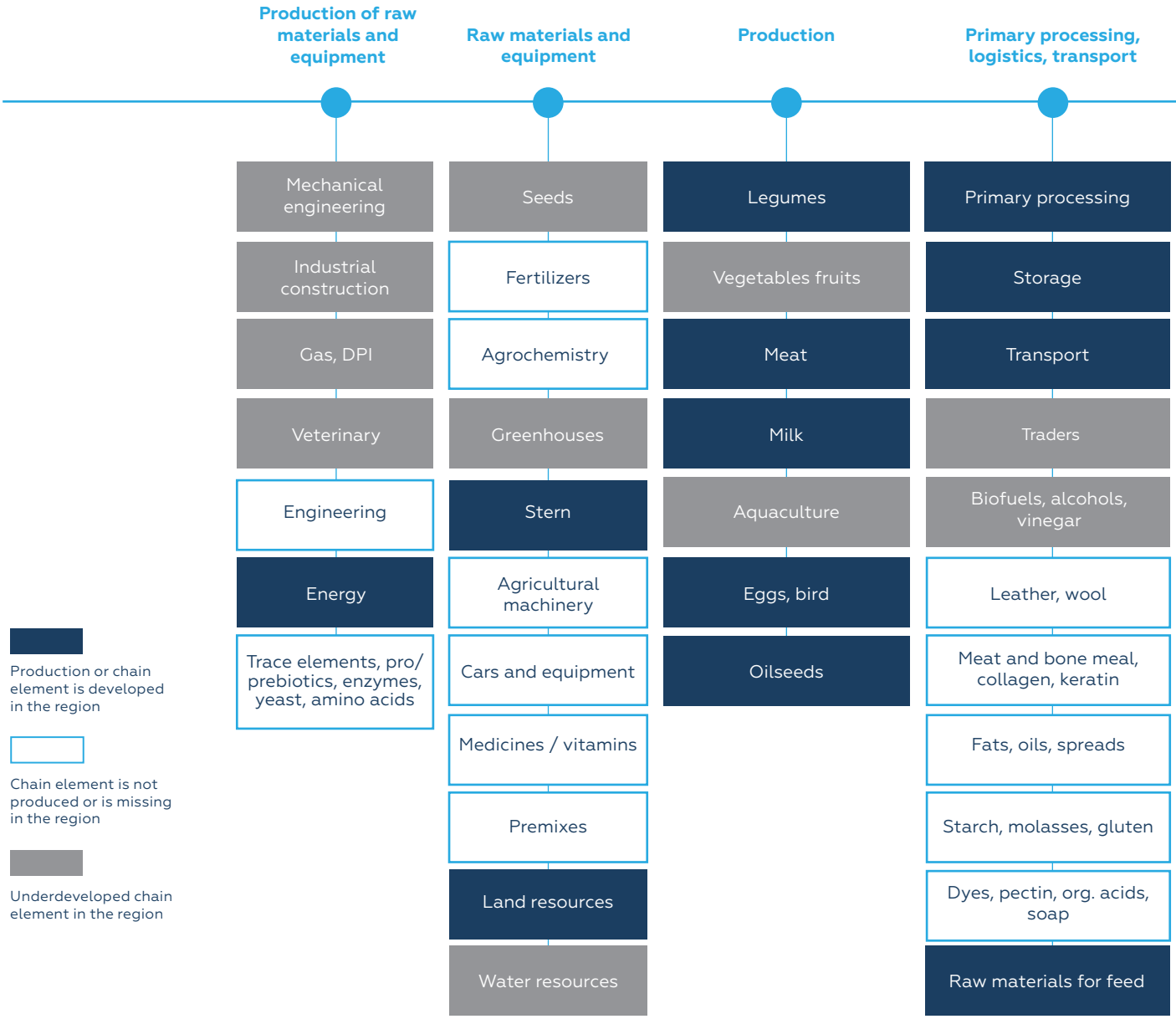


# COMPLEX

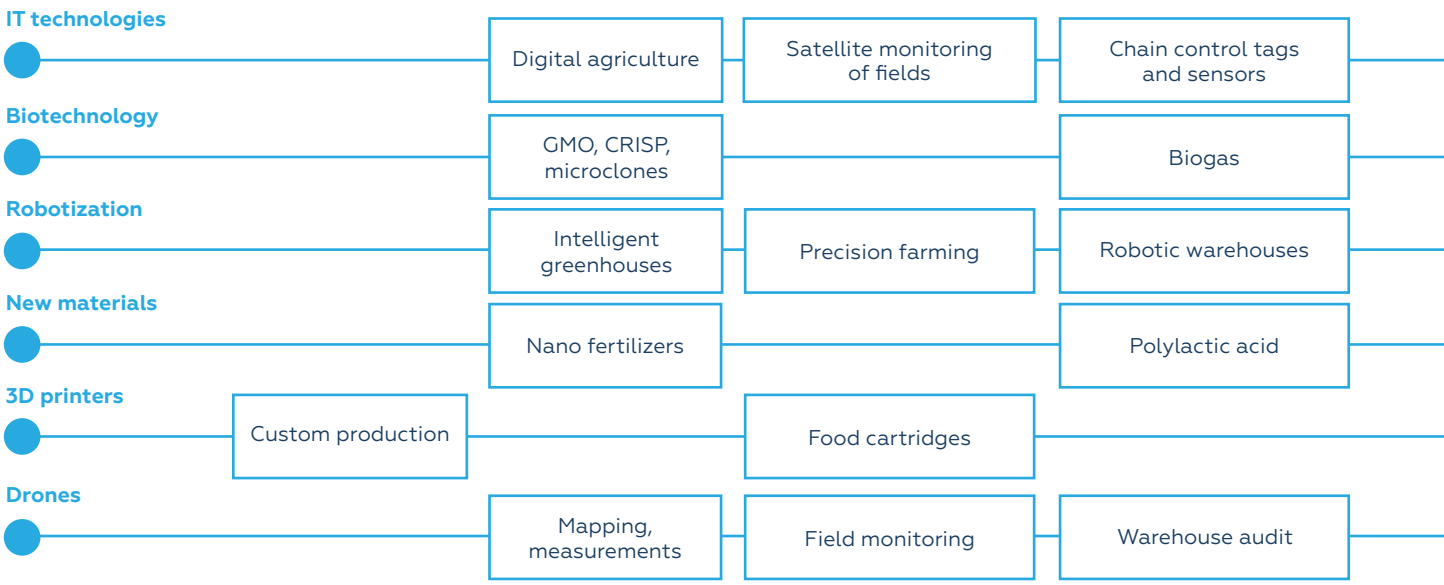

Sawmill
Impregnation and modification of wood
Wood chemistry and pulp and paper production
Furniture manufacturing
Wooden house building
Forestry engineering, instrument making
Moulding
Sawlog
Drying complexes
Glued timber
Fuel pellet production
Coal pellet production
Liquid fuel production
Wood composites
Slabs without binders
LSP plates
OSP boards
Bleaching wood
Antiseptic impregnation
Soluble softwood cellulose production
Bleached softwood pulp production
Production of nanocellulose, crystalline cellulose
Paper production, cardboard
Cellulose acetate, tall oil
Mineralized cellulose
Plywood production
Chipboard and MDF production
Furniture manufacture
Pressed wood
Large glued structures
Joiner's constructions
Block-modular houses
House kits from cedar
Attachments (mulchers)
Equipment for pulp and paper mill
Wearable Fire Fighting Equipment
Devices based on goniometric equipment GLONASS
Instrumentation for forestry
Instrument making for small wood chemistry (bioreactors, fir cookers, pellet production)
Production or chain element is developed in the region
Chain element is not produced or is missing in the region
Underdeveloped chain element in the region


Artificial intelligence in the selection of drying modes
Pellet certification
«Digital Manufacturing»
Unmanned vehicles
Bioenergy from waste
Warehouse pest control
IT provision of laser engraving to improve the quality of impregnation
«Digital Factory»
Eco-friendly bioadhesives
Genomic markers of valuable plant properties
Composite Wood Drone Component Manufacturing
«Digital Factory»
Molecular engineering
Manufacture of products from nanocrystalline cellulose
Lactic acid polymerization technologies
Growing biomass for biofuels
Eco-friendly bioadhesives
Digital model of furniture, design
Augmented reality in furniture construction
Growing furniture and/or individual parts
Digital model of the house
«smart home» standard solutions
Augmented reality in housing construction
Growing special trees forms
Modified landscaping plants
Landscaping based on lidar surveying from drones
Augmented reality in car service
Industrial Design
Creation of special drone-based systems

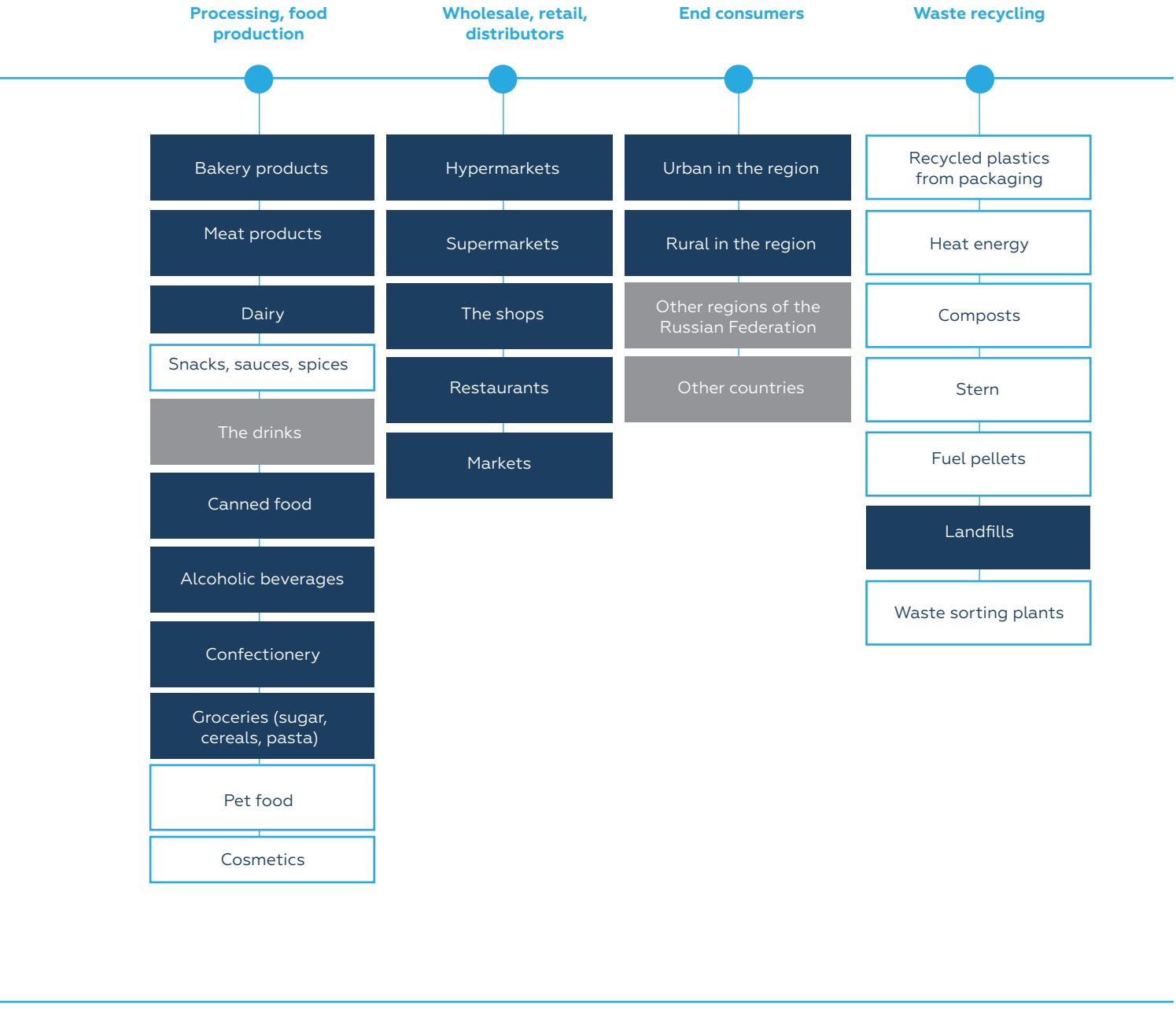
# AGROINDUSTRIAL



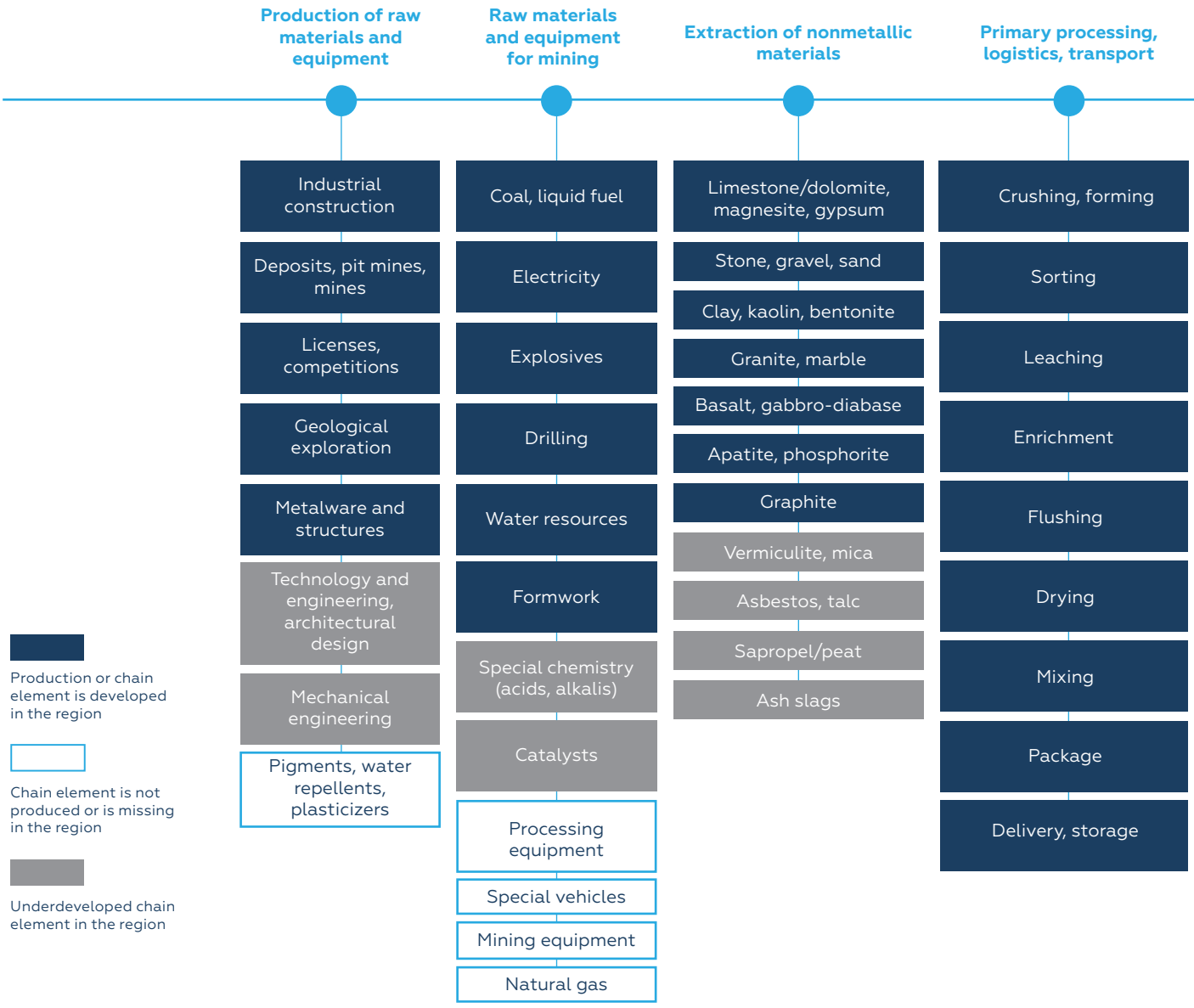

## BREAKTHROUGH TECHNOLOGIES



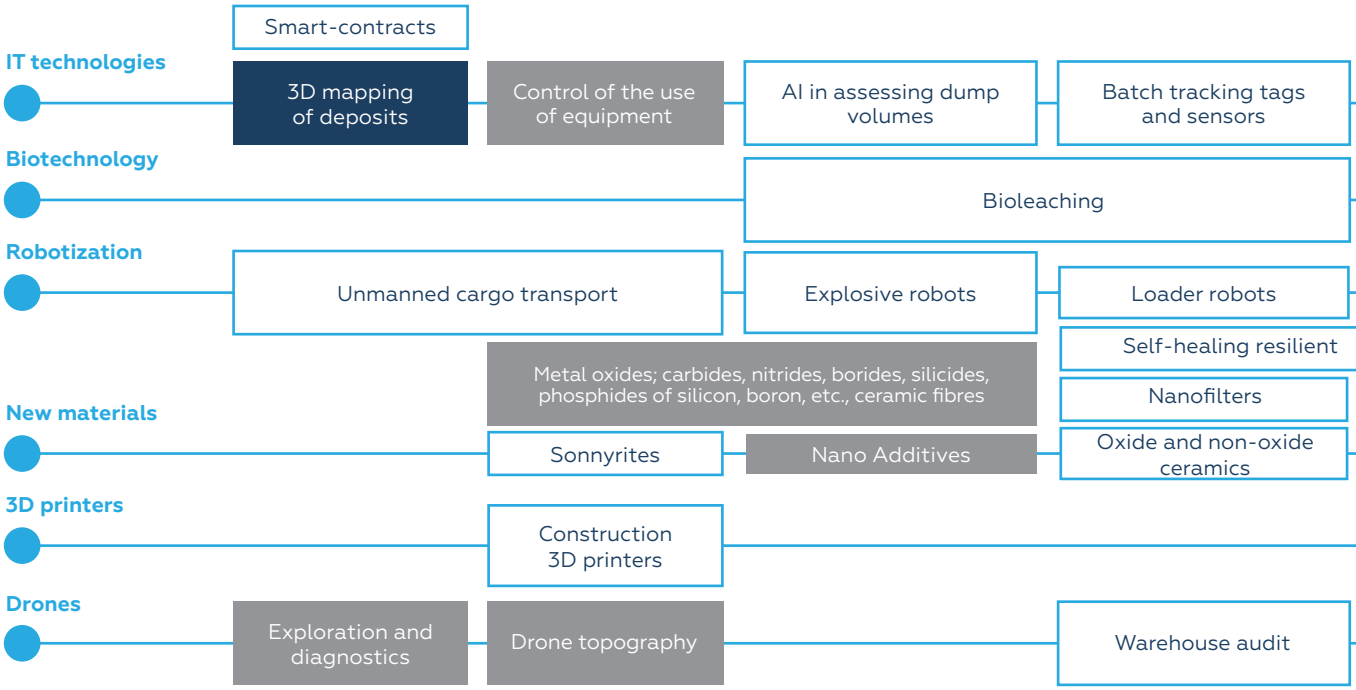
# COMPLEX


Processing, food production
Wholesale, retail, distributors
End consumers
Waste recycling
Bakery products
Meat products
Dairy
Snacks, sauces, spices
The drinks
Canned food
Alcoholic beverages
Confectionery
Groceries (sugar, cereals, pasta)
Pet food
Cosmetics
Hypermarkets
Supermarkets
The shops
Restaurants
Markets
Urban in the region
Rural in the region
Other regions of the Russian Federation
Other countries
Recycled plastics from packaging
Heat energy
Composts
Stern
Fuel pellets
Landfills
Waste sorting plants
Quality recognition systems
Marketplaces, online stores
Digital logistics
Recognition in waste sorting
Synthetic food
Biogas
Automated production
Vending
Bioplastic
Biodegradable packaging
Small distributed energy
Membrane water treatment
3D-Food Printing
3D-printed restaurant
Drone delivery

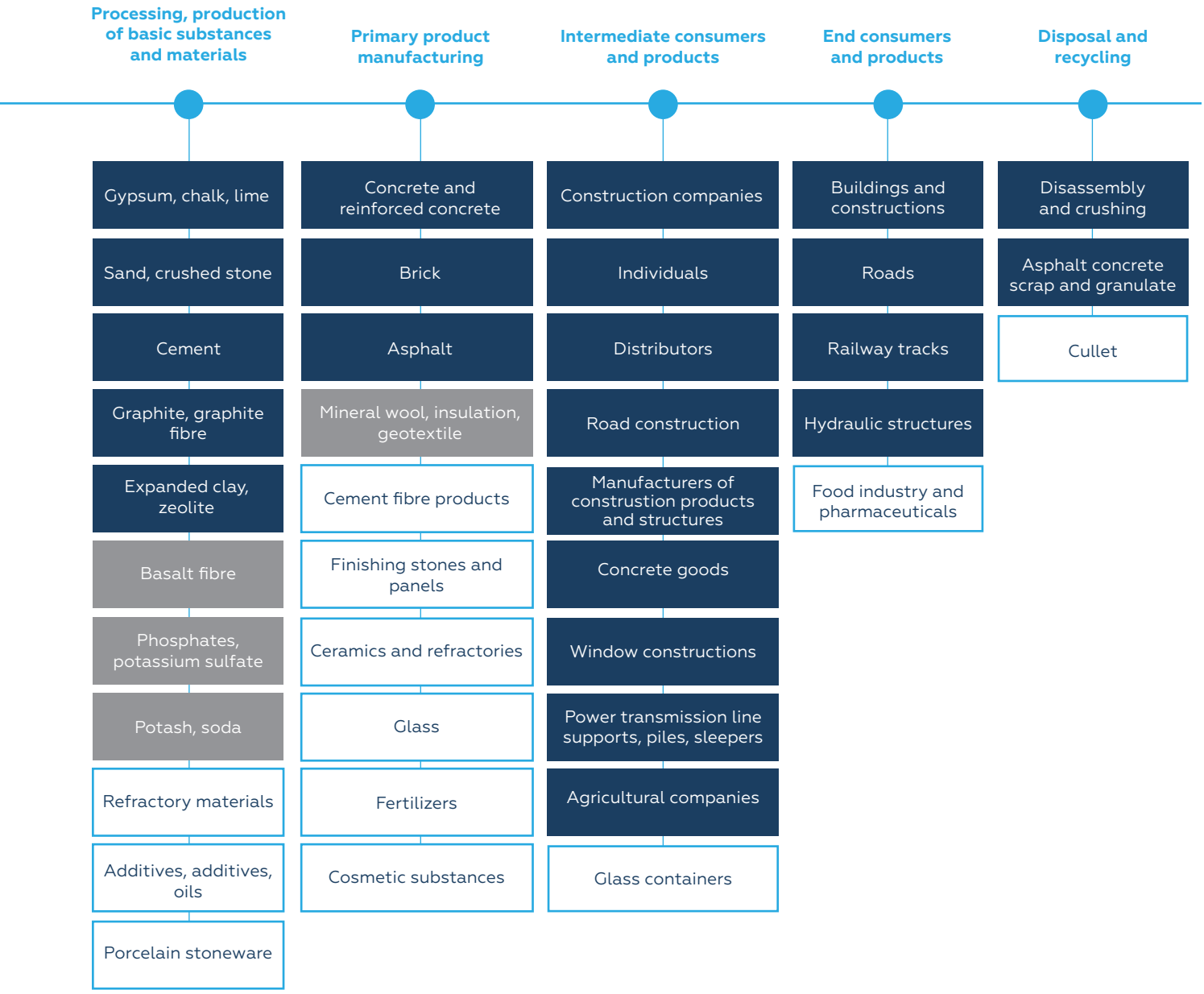
# NON-METALLIC ORE MINING

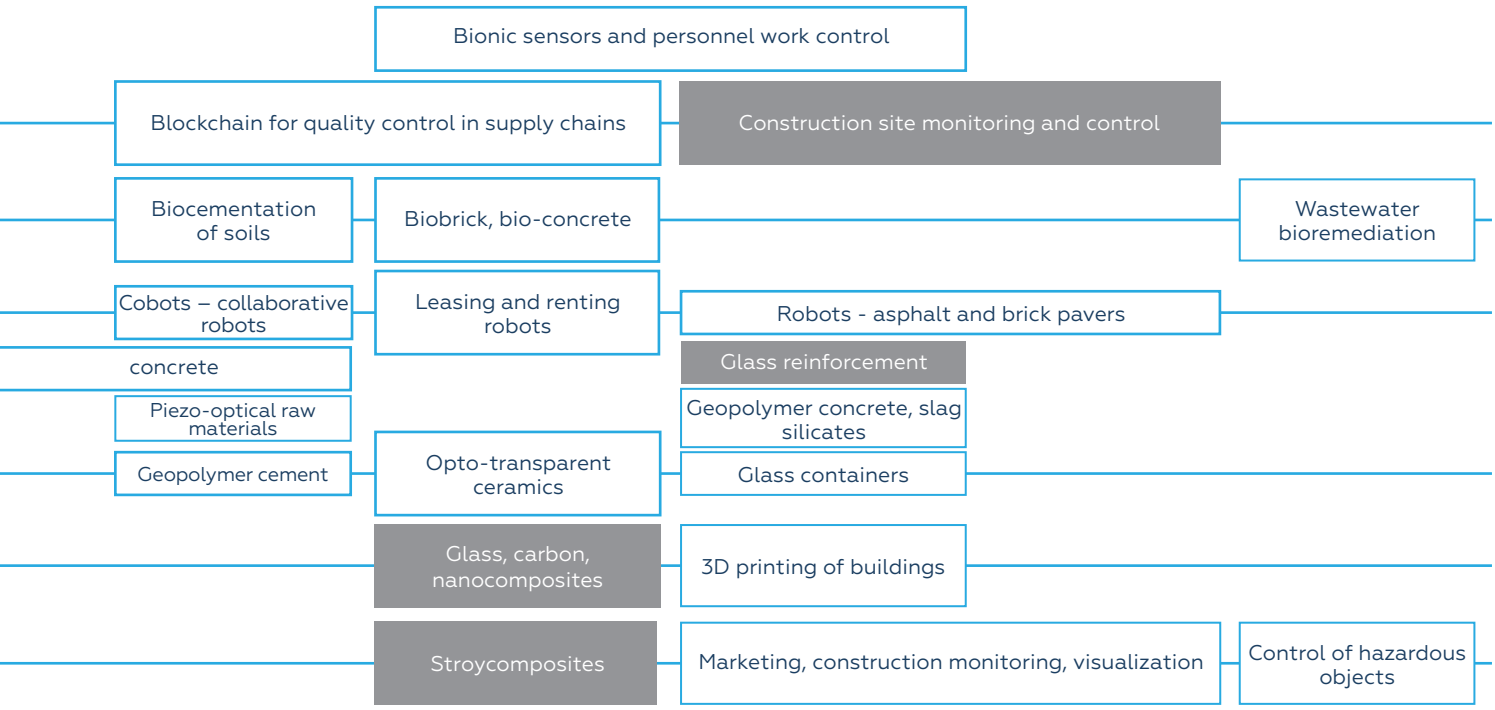



## BREAKTHROUGH TECHNOLOGIES



# AND PROCESSING



# YENISEY SIBERIA
# INVESTMENT OFFERS



# GERMANIUM MINING AND PROCESSING



### PROJECT DESCRIPTION

The creation of production for germanium mining and processing.

The project is aimed at providing raw material independence on imports for the enterprise and branch of optics and optoelectronics of RF.

### INFRASTRUCTURE | RESOURCES

**Site**
Kasskaya germanium mining site - the total germanium reserves consist of 205 tons.

**Production**
Operating production with the key production sites.

### FINISHED PRODUCTS

Polycrystalline germanium, germanium blanks for optical applying.

### LOCATION

Krasnoyarsk Region, Yeniseysky District

### MARKET POTENTIAL

- The global capacity of germanium production tends to increase
- Russia is the third largest producer of germanium

### APPROXIMATE INVESTMENTS

**from 7.9 bln rub**

# IRON ORE MINING AND PROCESSING
(production modernization)



### PROJECT DESCRIPTION

The project is aimed at creating the mining and processing plant in Krasnoyarsk Region based on the current iron ore deposits.

### INFRASTRUCTURE | RESOURCES

**Sites**
- Irbinskoye Deposit
- Burulukskoye Deposit
- Izygskoye Deposit

**Production**
Operating production with infrastructure.

### FINISHED PRODUCTS

Primary concentrate, crushed stone of different factions, rocky soil, scrap.

### LOCATION

Krasnoyarsk Region, Kuraginsky District

### MARKET POTENTIAL

- The volume of iron ore export increased by 2021 in Russia
- The key iron ore importing countries of Russia include Austria, Kazakhstan and Belarus

### APPROXIMATE INVESTMENTS

**from 2 bln rub**

# MINING OF PLACER AND ORE GOLD



### PROJECT DESCRIPTION

Geological exploration of ore gold and mining of placer gold.

### INFRASTRUCTURE | RESOURCES

**Bogunaevskoye Deposit**
Deposit reserves amount to 9.4 mln tons of ore consisting of 2-10 gr of gold per ton.

### FINISHED PRODUCTS

Placer and ore gold

### LOCATION

Krasnoyarsk Region, Rybinsky District

### MARKET POTENTIAL

The volume of Russian gold export has been increasing for the recent 5 years

### APPROXIMATE INVESTMENTS

**260–950 mln rub**

# AMORPHOUS GRAPHITE PRODUCTION



### PROJECT DESCRIPTION

Production creation for mining and processing of amorphous graphite.

### FINISHED PRODUCTS

Amorphous graphite powder

### INFRASTRUCTURE | RESOURCES

**Site**
Kureyskoye Deposit - the total graphite reserves amount to 79.7 mln tons.
**Production**
Operating productions with technological capacity of 15-20 thousands of tons of finished products.

### MARKET POTENTIAL

- The volume of graphite export from Russia increased by 2021
- The graphite import to Russia increased by 35% by 2021
- The volume of graphite production increased slightly by 2021

### LOCATION

Krasnoyarsk Region, Evenkyisky District, Turukhansky District

### APPROXIMATE INVESTMENTS

**3–5 bln rub**

# PRODUCTION OF PERICLASE



### PROJECT DESCRIPTION

Development of magnesite deposit and construction of the mining and processing plant for periclase production.

### INFRASTRUCTURE | RESOURCES

**Verkhoturovskoye Deposit**
The total magnesite reserves amount to 65.6 mln tons

**Kirgiteyskoye Deposit**
The total magnesite reserves amount to 7.7 mln tons

**Kardakanskoye Deposit**
The total magnesite reserves amount to 3.6 mln tons

### FINISHED PRODUCTS

Periclase (magnesium oxide)

### LOCATION

Krasnoyarsk Region, Motyginsky District

### MARKET POTENTIAL

The volume of magnesium oxide import to Russia has been increasing for the recent 5 years.

### APPROXIMATE INVESTMENTS

**17–204 bln rub**

# PRODUCTION OF PHOSPHATE FERTILIZERS



### PROJECT DESCRIPTION

Creation of production of mineral fertilizers from apatites and phosphorites.

### INFRASTRUCTURE | RESOURCES

**Seybinskoye Deposit**
The total phosphorite reserves amount to 1.2 mln tons

**Telekskoye Deposit**
The total phosphorite reserves amount to 141 mln tons

### FINISHED PRODUCTS

Phosphate fertilizers

### LOCATION

Krasnoyarsk Region, Kuraginsky District, Minusinsky District

### MARKET POTENTIAL

- The volume of mineral fertilizers production in Russia has been increasing for the last 5 years
- Phosphate fertilizers rank second in the volume of its consumption by Russian agro-industrial complex

### APPROXIMATE INVESTMENTS

**2–6 bln rub**

# PRODUCTION OF SYNTHETIC FUELS




### PROJECT DESCRIPTION

Creation of production for coal deep processing into synthetic hydrocarbon products (petrol and diesel fuel).

### INFRASTRUCTURE | RESOURCES*

**Karabulskoye Deposit**

The coal reserves amount to 66.9 mln tons

**Kokuyskoye Deposit**

The total promising coal reserves amount to 12,000 mln tons

### FINISHED PRODUCTS

Synthetic hydrocarbon products (petrol and diesel fuel)

### LOCATION

Krasnoyarsk Region, Boguchansky District

### MARKET POTENTIAL

Rise in prices for carbon fuels due to increased costs for production and sale.

### APPROXIMATE INVESTMENTS

**4–9 bln rub**

# NETWORK CREATION OF ECO-INDUSTRIAL PARKS



### PROJECT DESCRIPTION

Creation of site networks for small and medium-sized industrial enterprises in the sphere of waste processing and production from secondary raw materials.

### FINISHED PRODUCTS

- Processing of municipal solid waste
- Disposal and transporation of medical waste

### MARKET POTENTIAL

- Ban on some types of production and consumption waste from landfill
- Increased processing cost, waste disposal due to removal difficulty

### PREMISES

**Krasnoyarsk**
Target customers are Krasnoyarsk Cement and RUSAL Krasnoyarsk
**Achinsk**
Target customer is RUSAL Achinsk
**Lesosibirsk**
Target customers are Novoeniseisk Wood Chemical Complex and Lesosibirsky LDK No.1

### LOCATION

Krasnoyarsk Region

### APPROXIMATE INVESTMENTS

**from 5 bln rub**

# PRODUCTION OF ASEPTIC PACKAGING



### PROJECT DESCRIPTION

Creation of Aseptic Packaging. The project is aimed at providing regions with packaging for liquid food products.

### PREMISES

There are **3 potential sites** for aseptic packaging production in Krasnoyarsk Region

### FINISHED PRODUCTS

Aseptic packaging (Tetra Pack)

### LOCATION

Krasnoyarsk Region

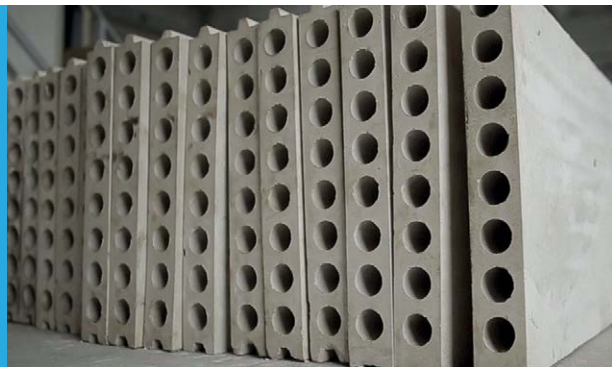
### MARKET POTENTIAL

Packaging supply from European countries has been suspended

### APPROXIMATE INVESTMENTS

**from 29 bln rub**

# PRODCUTION OF AERATED CONCRETE AND FOAM BLOCKS



### PROJECT DESCRIPTION

The project is aimed at creating aerated concrete and foam blocks on an industrial scale

### PREMISES

There are **3 potential sites** for production of aerated concrete and foam blocks in Krasnoyarsk Region

### FINISHED PRODUCTS

Aerated concrete and foam blocks

### LOCATION

Krasnoyarsk Region

### MARKET POTENTIAL

Aerated concrete and foam blocks were the most widely used building materials in 2021

### APPROXIMATE INVESTMENTS

**from 100 mln rub**

# PRODUCTION OF MASSIV-HOLZ-MAUER PANELS



### PROJECT DESCRIPTION

Creation of production for Massiv-Holz-Mauer panels from waste materials on an industrial scale.

### INFRASTRUCTURE | RESOURCES

The volume of harvested timber amounted to **25,277 thousand м³** in Krasnoyarsk Region in 2021 (36% out of the timber volume in SFD)

### FINISHED PRODUCTS

Panels MHM, frame houses

### LOCATION

Krasnoyarsk Region, Yeniseysky District

### MARKET POTENTIAL

The number of consctructed houses is increasing in most of the regions of Yenisey Siberia.

### APPROXIMATE INVESTMENTS

**127–340 mln rub**

# PRODUCTION OF PRODUCTS FROM SAWMILL WASTE



### FINISHED PRODUCTS

Panels, fuel pellets, paper packaging

### INFRASTRUCTURE | RESOURCES

Key resources for production are located in Lesosibirsk (sawmill center), Boguchansky and Kezhemsky Districts (logging and sawmilling).

### MARKET POTENTIAL

The increasing demand for board materials (OSB, WPC) on the market of Yenisey Siberia regions affect the average prices.

### LOCATION

Krasnoyarsk Region, Lesosibirsk, Boguchansky District, Kezhemsky District

### INFRASTRUCTURE | RESOURCES

Surplus of non-recyclable sawmill waste amounts to **1.46 mln м³**

### APPROXIMATE INVESTMENTS

**1.1 bln rub**

# PRODUCTION OF BUILDING MIXTURES



### PROJECT DESCRIPTION

Creation of production for gypsum based dry mixes.

### INFRASTRUCTURE | RESOURCES

**Arapakaevskoye Deposit**
Off-balance reserves amount to 6,194 thousand tons

**Kapchalinskoye Deposit**
Gypsum reserves amount to 4,500 thousand tons

**Troitskoye Deposit**
Explored reserves amount to 17,557 thousand tons

### FINISHED PRODUCTS

Gypsum based dry mixes

### LOCATION

- Krasnoyarsk Region, Taseevsky District
- Republic of Khakassia, Ust-Abakansky District

### MARKET POTENTIAL

In the regions of Yenisey Siberia the average prices for dry mixes is increasing.

### APPROXIMATE INVESTMENTS

**up to 90 mln rub**

# ORGANIZATION OF EXPORT-ORIENTED MEAT PROCESSING PRODUCTION



### PROJECT DESCRIPTION

Creation of meat-processing production.

### INFRASTRUCTURE | RESOURCES

The size of farmland is **more than 4.5 mln** a in Tyva Republic. It is noted that the share of livestock in Tyva Republic is 82%.

### FINISHED PRODUCTS

Cattle and small cattle meat, and by-products

### LOCATION

Tyva Republic, Kyzylsksy District

### MARKET POTENTIAL

- The key importing countries of Russian meat are Egypt, UAE, and Israel.
- The meat export from Russia quadrupled by 2021

### APPROXIMATE INVESTMENTS

**from 500 mln rub**

# BABY FOOD PRODUCTION



### PROJECT DESCRIPTION

The project is aimed at creating the production of baby food on an industrial scale.

### PREMISES

There are **4 potential sites** in Krasnoyarsk Region for baby food production

### FINISHED PRODUCTS

Meat,dairy, fruit and vegetables baby food

### LOCATION

Krasnoyarsk Region

### MARKET POTENTIAL

The average prices for baby food in different categories has been increasing for the last 5 years.

### APPROXIMATE INVESTMENTS

**from 1 bln rub**

# PRODUCTION OF GREENHOUSE VEGETABLES



### PROJECT DESCRIPTION

Creation of production for fresh vegetables on an industrial scale.

### LOCATION

Krasnoyarsk Region, Minusinsky and Sharypovsky Districts

### FINISHED PRODUCTS

Cucumbers, tomatoes, fresh herbs

### PREMISES

The total agricultural area in Krasnoyarsk Region amounts to **5 mln ha.**

### MARKET POTENTIAL

The self-sufficiency level of fresh vegetables in Krasnoyarsk Region is very low due to the limited industrial potential of local producers.

### APPROXIMATE INVESTMENTS

**150–250 mln rub**

# RENOVATION OF THE CENTRAL MARKET IN KRASNOYARSK



### PROJECT DESCRIPTION

Creation of the largest gastronomic platform in Krasnoyarsk Region on the territory of the Central Market.

### FINISHED PRODUCTS

Retail sale of food products

### MARKET POTENTIAL

- Absence of a new type of market in Krasnoyarsk
- Growth in the number of small chains selling natural farm products
- Demand for organic food consumption increases by 15.7% annually
- Growth in the turnover of public catering enterprises in Krasnoyarsk Region by 25% in 2022

### MATERIAL | RESOURCE BASE

The current building of the Central Market in Krasnoyarsk.

### LOCATION

Krasnoyarsk

### APPROXIMATE INVESTMENTS

**2.5** bln rub

# EXPANDING THE ROOM CAPACITY OF THE RECREATION BRUSNIKA



### PROJECT DESCRIPTION

Construction of a modular hotel on the territory of the existing suburban recreation center «Brusnika».

### LOCATION

The village of Ust-Mana, Krasnoyarsk

### FINISHED PRODUCTS

Hospitality Services

### APPROXIMATE INVESTMENTS

**100** mln rub

### MARKET POTENTIAL

- Consistently high demand for out-of-town holidays
- Growth of domestic tourism in the region

# HOTEL COMPLEX YENISEY SIBERIA



### PROJECT DESCRIPTION

Construction of a 5-star hotel complex in the vicinity of the Krasnoyarsk business center.

### PLACEMENT PLATFORM

There are **6 potential sites** for the hotel complex in Krasnoyrask.

### KEY FEATURES

- 150 rooms in the hotel complex
- Capacity of 100,000 people in a year
- 62% – the average rate of use

### LOCATION

Krasnoyarsk Region, Krasnoyarsk

### MARKET POTENTIAL

- 350,000 tourists visit Krasnoyarsk region annualy
- About 32% of business activity of SFD fall on Krasnoyarsk

### APPROXIMATE INVESTMENTS

**from 3 bln rub**

# COUNTRY HOTEL YENISEY SIBERIA



### PROJECT DESCRIPTION

Construction of a 5-star country hotel in a unique location in the vicinity of the main geographical spots of Krasnoyarsk Region.

### PLACEMENT PLATFORM

There are **6 potential sites** for country hotels in the vicinity of touristic places in Krasnoyarsk Region.

### TYPES OF ROOMS

- for one family
- for two families
- VIP-villas

### LOCATION

Krasnoyarsk Metropolitan Area

### MARKET POTENTIAL

- There was an upward tendency of profitability of hotels, hostels and other accomodation facilities in Krasnoyarsk Region by 2021 (+26 CAGR)

### APPROXIMATE INVESTMENTS

**3–7 bln rub**

# TOURISTIC DEVELOPMENT OF ERMAKOVSKY DISTRICT



### PROJECT DESCRIPTION

Creation of touristic sites in Ergaki National Park

### INFRASTRUCTURE | RESOURCES

The total area of the National Park is **342,000 ha**

The highest point is Zvezdny Peak of **2,265 m**

### TOURISTIC FACILITES

- Network of campings
- Network of glampings
- Country hotel
- Ski Resort

### LOCATION

Krasnoyarsk Region, Ermakovsky District

### MARKET POTENTIAL

There has been an increase of tourists for the recent 5 years in Ermakovsky District.

### APPROXIMATE INVESTMENTS

**from 10 bln rub**

# CONSTRUCTION OF GLAMPINGS / ECO-HOTELS



### PROJECT DESCRIPTION

Creation of a recreation center – glamping.

### PREMISES

There are **26 potential sites** for hotels location in the vicinity of touristic places in Krasnoyarsk Region.

### TOURISTIC FACILITES

- A-Frame houses
- Dome houses
- Barnhouses

### LOCATION

Regions of Yenisey Siberia

### MARKET POTENTIAL

- There has been an increase in the number of toursits in the hotels of SFD and in Krasnoyarsk Region in particular.
- There is an increased interest of potential customers according to the search queries into search engines.

### APPROXIMATE INVESTMENTS

**8–40 mln rub**

# DAIRY COMPLEX



### PROJECT DESCRIPTION

Modernisation of Pervomaisky Dairy Comple.

### INFRASTRUCTURE | RESOURCES

**Site**
Land resources of 35 000 ha

**Production**
Infrastructure (water disposal, roads, electricity)

### FINISHED PRODUCTS

Cheese, milk, beef, oilseed, poultry egg

### LOCATION

Republic of Khakassia, Bogradsky District

### MARKET POTENTIAL

By 2021, average prices for dairy products increase in the regions of the Yenisey Siberia.

### APPROXIMATE INVESTMENTS

**from 6,6 mln rub**

# INDUSTRIAL BERRY GARDEN



### PROJECT DESCRIPTION

Organization of industrial berry farm.

### FINISHED PRODUCTS

Sea buckthorn, honeysuckle.

### INFRASTRUCTURE | RESOURCES

**Site**
Land resources of 988 ha

**Production**
- Breeding and high-yielding planting material
- Manual and mechanical harvesting (with imported berry harvesters)

### MARKET POTENTIAL

- Shortage of high quality product in the Russian market
- No direct competitors in Khakassia and neighbouring regions

### LOCATION

Republic of Khakassia, Askizksky District

### APPROXIMATE INVESTMENTS

**200–1044 mln rub**

# PRODUCTION OF CARBON SORBENTS



## PROJECT DESCRIPTION

Organization of carbon sorbent production from coal and various types of charcoal.

## LOCATION

- Krasnoyarsk Region, Abakansky District
- Republic of Khakassia, Ust-Abakansky District

## FINISHED PRODUCTS

Carbon sorbent from coal and charcoal

## INFRASTRUCTURE | RESOURCES

**Kozulskoe coal field**
3 868 thousand tons of brown coal off-balance reserves

**Abakanskoe coal field**
16 800 million tons of brown coal explored reserves

## MARKET POTENTIAL

The volume of carbon sorbents exports has increased over the past five years.

## APPROXIMATE INVESTMENTS

**440–700** mln rub

# NIOBIUM AND RARE-EARTH METALS MINING



## PROJECT DESCRIPTION

Organization of extraction and processing of rare-earth metals and niobium.

## FINISHED PRODUCTS

Rare-earth ore, niobium ore

## INFRASTRUCTURE | RESOURCES

**Ulug-Tanzekskoye Deposit**
The total reserves are 486 933 thousand tons (195 thousand tons of niobium ore, 216 thousand tons of rare-earth ore).

**Chuktukonskoye Deposit**
200 thousand ton of niobium reserves, 500 thousand tons of rare-earth metals reserves.

## MARKET POTENTIAL

- Average prices for rare-earth metals in the global market have been increasing for 5 years
- The Yenisey Siberia has two large deposits of rare-earth metals and niobium

## LOCATION

- Krasnoyarsk Region, Boguchansky District
- Republic of Tyva, Erzinsky Kozhuun

## APPROXIMATE INVESTMENTS

**25–91** bln rub

# HOUSEHOLD CHEMICALS AND COSMETICS



### PROJECT DESCRIPTION

Organization of cosmetics and household chemicals production in the Yenisey Siberia regions.

### INFRASTRUCTURE | RESOURCES

The operational reserve for the harvesting of edible forest resources in the Yenisey Siberia regions **exceeds 1.6 million tons.**

### FINISHED PRODUCTS

Cosmetics, household chemicals.

### LOCATION

- Krasnoyarsk Region, Shushensky District
- Republic of Khakassia, Ust-Abakansky District

### MARKET POTENTIAL

Average prices for household chemicals and cosmetics increase in the Yenisey Siberia regions by 2021.

### APPROXIMATE INVESTMENTS

**150–300 mln rub**

# DISPOSABLE MEDICAL PRODUCTS



### PROJECT DESCRIPTION

Manufacturing of disposable medical products to cover the needs of the Yenisey Siberia regions.

### INFRASTRUCTURE | RESOURCES

There are **7 major suppliers** of raw materials for disposable medical products in the Siberian Federal District.

### FINISHED PRODUCTS

Disposable masks, shoe covers, syringes

### LOCATION

Yenisey Siberia Regions

### MARKET POTENTIAL

- The Russian market of disposable products grows by 2021
- Low level of the competitive environment in the region against a large segment of potential consumers

### APPROXIMATE INVESTMENTS

**107–240 mln rub**

# NITRILE GLOVES MANUFACTURING



### PROJECT DESCRIPTION

Construction of a plant for the nitrile gloves manufacturing in the Krasnoyarsk Region.

### INFRASTRUCTURE | RESOURCES

Nitrile gloves are planned to be manufactured in the proximity of the Krasnoyarsk synthetic rubber plant, which will advantage in cost reduction.

### FINISHED PRODUCTS

Nitrile gloves

### LOCATION

Krasnoyarsk Region

### MARKET POTENTIAL

- No local production of medical nitrile gloves in the Yenisey Siberia Regions
- High average consumer prices for medical gloves in the Krasnoyarsk Region compared to the average prices in the Siberian Federal District and the Russian Federation

### APPROXIMATE INVESTMENTS

**from 272 mln rub**

# PRODUCTION OF DAIRY PRODUCTS PACKAGING



### PROJECT DESCRIPTION

At the moment, in the Krasnoyarsk Region there are 3 potential sites for aseptic packaging production. This type of packaging can be used for a wide range of liquid food products and will increase the share of Russian producers in this market segment.

### INFRASTRUCTURE | RESOURCES

- Import substitution of components is in process.
- In the future, it is planned to use raw materials from local pulp and paper mills (Rockwell Capital and Segezha-Vostok projects).

### FINISHED PRODUCTS

Paper-based packaging for dairy products, including aseptic packaging

### LOCATION

Krasnoyarsk Region

### MARKET POTENTIAL

- Shortage of aseptic packaging due to sanctions, the share of imports up to 35%
- The main production is concentrated in the Western part of Russia

### APPROXIMATE INVESTMENTS

**from 5 mln rub**

# WHOLESALE AND LOGISTICS CENTRE FOR AGRICULTURAL PRODUCTS



## PROJECT DESCRIPTION

Construction of a wholesale and logistics centre for agricultural products will create an efficient modern marketing system, form fair prices, and increase the competitiveness of Russian agricultural products.

## MARKET POTENTIAL

- - A high share of personal subsidiary farms in the production of agricultural products in the Southern Macrodistrict
- - Expected growth in agricultural production in the Southern Macrodistrict
- - Lack of quality warehouse real estate in the Krasnoyarsk Region (5.7 times lower per capita than in the Novosibirsk Region)

## FINISHED PRODUCTS

Storage and transport services for vegetables, including potatoes, meat, and other agricultural products.

## INFRASTRUCTURE | RESOURCES

Potatoes, other vegetables, meat produced in the Southern Macroregion of the Krasnoyarsk Region.

## LOCATION

Krasnoyarsk Region

## APPROXIMATE INVESTMENTS

**410–510 mln rub**

# 4 STARS HOTEL COMPLEX



## PROJECT DESCRIPTION

A project of modern hospitality facility surrounded by unique natural landscape will satisfy those seeking for eventful, quiet or family holidays. Currently, there are 2 potential sites suitable for the construction of a hotel complex.

## MARKET POTENTIAL

- In 2022, domestic tourism of Russia has grown by 7%
- A ski resort in Ergaki Natural Park

## FINISHED PRODUCTS

Hospitality services

## LOCATION

Krasnoyarsk Region, Ergaki natural park

## APPROXIMATE INVESTMENTS

**200–300 mln rub**

# CHEESEMAKING FACTORY



### PROJECT DESCRIPTION

Cheesemaking factory with modern equipment in the Krasnoyarsk Region will improve the quality of products, while the rapidly developing gastronomy sector in the region will ensure uninterrupted demand for products.

### MARKET POTENTIAL

- Since 2015, the per capita cheese consumption in Russia has grown at a rate of 1.6% per year (on average)
- Since 2017, the cheese production in Russia has grown at a rate of 5.7% per year (on average)
- Virtually no local cheese production (relative to average Russian per capita consumption)

### FINISHED PRODUCTS

Cheeses: hard, semi-hard, soft.

### INFRASTRUCTURE | RESOURCES

Milk. The share of the Krasnoyarsk Region in the total milk production of Russia is 3.8% (in the cheesemaking - less than 1%). Projects to increase milk production have been announced and are being implemented.

### LOCATION

Krasnoyarsk Region

### APPROXIMATE INVESTMENTS

**200–250 mln rub**

# INDUSTRIAL PARK



### PROJECT DESCRIPTION

Construction of modern production facilities with accessible engineering infrastructure and other sites. A promising project for the Krasnoyarsk Region in the conditions of a shortage of modern production facilities.

### MARKET POTENTIAL

- From 2017 to 2021: the average annual growth rate in the number of industrial parks being developed was 22%, the number of operating industrial parks was 22.6%.
- Average annual growth rate of the number of residents in industrial parks was 17.4%.

### FINISHED PRODUCTS

Leasing services for the production site.

### LOCATION

Krasnoyarsk Region

### APPROXIMATE INVESTMENTS

**70–150 mln rub**

# PRODUCTION OF MINERAL WOOL INSULATION



### PROJECT DESCRIPTION

A modern high-tech enterprise aimed at improving the quality of products in the construction market. This product has a wide range of applications in the regional market.

### MARKET POTENTIAL

- Compared to 2020, in 2022 the increase in the volume of production of mineral wool insulation amounted to 36%
- From 2020 to 2023, the volume of annual commissioning of residential buildings is expected to increase by 46%

### FINISHED PRODUCTS

Glass wool, stone wool, mineral wool insulation made of limestone, clay, dolomite, respectively.

### INFRASTRUCTURE | RESOURCES

Basalt, limestone, clay, dolomite are mined in the regions.

### LOCATION

Krasnoyarsk Region

### APPROXIMATE INVESTMENTS

**1–2,6 bln rub**

# PRODUCTION OF LEAD AND LEAD-ACCID BATTERIES



### PROJECT DESCRIPTION

Construction of a zinc smelter to produce lead and/or zinc-based batteries. The main supplier of raw materials are Group of Companies Novoangarsky Dressing Plant LLC and Gorevsky GOK OJSC.

### MARKET POTENTIAL

The Krasnoyarsk Region mines more than 50% of lead ore in Russia, and exports almost the entire ore to China and Korea. At the same time, Russia is a net importer of lead-acid batteries: Korea is the main importer to the Siberian Federal District and the Far-Eastern Federal District, the volumes are comparable to the export of lead (in concentrate) from Russia.

### INFRASTRUCTURE | RESOURCES

Lead concentrate - more than 100 thousand tons of lead content in ore mined in the Krasnoyarsk Region (Gorevsky GOK).

### FINISHED PRODUCTS

Lead, lead-based batteries

### LOCATION

Krasnoyarsk Region

### APPROXIMATE INVESTMENTS

**3 bln rub**

# PRODUCTION OF PAPER PACKAGING



### PROJECT DESCRIPTION

With modern equipment the production is to become comfortable and lean. The Krasnoyarsk Region possesses all the necessary and accessible resources.

### MARKET POTENTIAL

- In 2017-2022, the average growth rate of production and demand for paper packaging in Russia increased by 33%.
- From January 2021 to December 2022, prices for paper packaging increased by 41%.
- The share of imports of paper bags in Russian consumption is 20-33%.

### FINISHED PRODUCTS

Paper packaging, bags, sacks

### INFRASTRUCTURE | RESOURCES

Paper. In the future, the products of local pulp and paper mills (Rockwell Capital and / or Segezha-Vostok).

### LOCATION

Krasnoyarsk Region

### APPROXIMATE INVESTMENTS

**490–930 mln rub**

# WOODEN HOUSE CONSTRUCTION



### PROJECT DESCRIPTION

This field is relevant for the modern residents of metropolises. Demand for luxurious suburban settlements increases every year, and the resource base of the region allows extending the production.

### INFRASTRUCTURE | RESOURCES

Large stocks and volumes of wood production in the Krasnoyarsk Region:

- 11.6% of the total Russian volume of timber harvesting
- 16.9% of the total Russian production of sawn timber

### FINISHED PRODUCTS

Custom wooden houses, standard house kits, CLT-panels

### LOCATION

Krasnoyarsk Region

### MARKET POTENTIAL

In 2022, a volume of wooden house construction in Russia increased by 20%

### APPROXIMATE INVESTMENTS

**1–1.5 bln rub**

# PRODUCTION OF CRUDE IRON, STEEL, AND ROLLED METAL PRODUCTS



## PROJECT DESCRIPTION

Construction of a high-tech plant for the production of crude iron, steel, and rolled metal products in the Republic of Khakassia, which is considered to be a region with a perfect platform for the ambitious project.

## INFRASTRUCTURE | RESOURCES

High energy supply in the Republic; the presence of a local raw material source (Abakanskoye and Teyskoye deposits) with Fe content in raw ore;thermal coals from the Beyskoye coal deposit, suitable for the production of cast iron; a developed transport and logistics infrastructure (railway, road, airport);availability of the sites of Abaza territory of advanced socio-economic development for the organization of production.

## FINISHED PRODUCTS

Crude Iron, Steel, and Rolled Metal Products

## LOCATION

Republic of Khakassia

## MARKET POTENTIAL

According to the business plan of the construction cluster in the Republic of Khakassia, the demand for rolled metal products is **60 thousand tons per year.**

## APPROXIMATE INVESTMENTS

**27 bln rub**

# PRODUCTION OF LAMINATED PARTICLE BOARD



## PROJECT DESCRIPTION

Development of new production meeting the needs of Russian and foreign markets.

## FINISHED PRODUCTS

Laminated particle board, capacity of **30 000 cbm** per **year**

## MARKET POTENTIAL

Large reserves of coniferous wood in Krasnoyarsk Region against no laminated particle board production in the neighbouring regions of Russia. A large number of small and medium-sized manufacturers of modular furniture are concentrated in the Republic of Khakassia, in addition, the region is the main supplier of various goods for the south of the Krasnoyarsk Region, which also expands the sales market.

## INFRASTRUCTURE | RESOURCES

The total timber stock in the Republic of Khakassia is **464.5 million cbm** of mature and overmature species, of which more than 71% are conifers.

## LOCATION

Republic of Khakassia

## APPROXIMATE INVESTMENTS

**350 mln rub**

# PRODUCTION OF SELF-TAPPING SCREWS



### PROJECT DESCRIPTION

Organization of a small production of a wide range of self-tapping screws for different sectors of the economy. The main consumers are construction companies and furniture manufacturers.

### INFRASTRUCTURE | RESOURCES

To be implemented, the project require a site of at least 1000 sq. m, special equipment, raw materials, and supplies.

### FINISHED PRODUCTS

Self-tapping screws, production capacity of **35-40 tons of products per month**

### LOCATION

Republic of Khakassia, Abakan

### MARKET POTENTIAL

The market of Khakassia demands 100-150 tons of self-tapping screws per month.

### APPROXIMATE INVESTMENTS

**40 mln rub**

# PROCESSING OF BAST CROPS



### PROJECT DESCRIPTION

Establishment of production for the processing of hemp for the following products:

- clothing and footwear
- paper and packaging
- fuel and gunpowder
- varnishes and paints
- edible oils
- feed, etc.

### INFRASTRUCTURE | RESOURCES

Climatic conditions for growing technical hemp are similar to the conditions of the Krasnodar Region. Zoning of varieties does not require large expenditures; southern varieties take root perfectly in the territory of Khakassia.

### FINISHED PRODUCTS

Fibre from technical hemp

### LOCATION

Republic of Khakassia, Abakan, Chernogorsk, Bogradsky District

### MARKET POTENTIAL

The annual demand of the Russian industry for cellulose is at least **600 thousand tons.**

### APPROXIMATE INVESTMENTS

**3.135 bln rub**

# PRODUCTION OF ROOFING MATERIALS



### PROJECT DESCRIPTION

Construction of a plant for the production of roofing materials to cover the needs of local construction companies and private housing construction.

### INFRASTRUCTURE | RESOURCES

The project requires purchasing of one production line for metal tiles and one production line for bituminous tiles, as well as necessary handling equipment, raw materials and supplies.

### FINISHED PRODUCTS

Roofing materials

### LOCATION

Republic of Khakassia, Chernogorsk, Chernogorsk industrial park

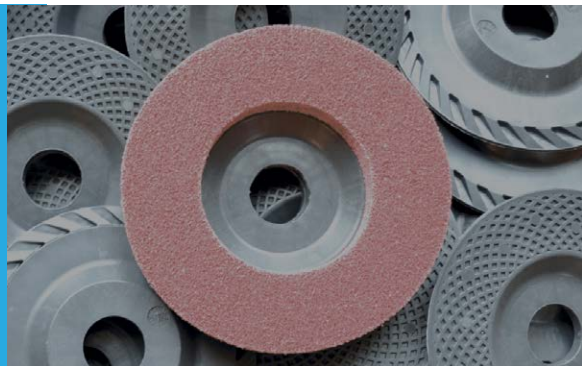
### MARKET POTENTIAL

High demand for roofing materials due to the growing pace of low-rise construction (10-14% of annual growth) and a gradual shift in consumer demand for outdated coatings (slate, roofing felt) towards durable and beautiful metal roofs.

### APPROXIMATE INVESTMENTS

**200** mln rub

# PRODUCTION OF ABRASIVE MATERIALS



### PROJECT DESCRIPTION

Localisation of tools manufacturing, organisation of grinding tools manufacturing.

### INFRASTRUCTURE | RESOURCES

Unallocated subsoil reserve fund considers Sigangoyskoye (Verkhne-Sigangoyskoye) emery field with reserves of B + C1 category of **24 thousand tons** and cat C2 of **73 thousand tons**, which is 25.3% of Russia's reserves.

### FINISHED PRODUCTS

Abrasive materials

### LOCATION

Republic of Khakassia, Chernogorsk, Chernogorsk industrial park

### MARKET POTENTIAL

High demand for developing the grinding tools manufacturing.

### APPROXIMATE INVESTMENTS

**100** mln rub

# PRODUCTION OF BUILDING MIXTURES



### PROJECT DESCRIPTION

The project provides for the purchase of modern equipment and machinery, the construction of all necessary infrastructure as well as providing the enterprise with its own fleet of automotive and quarry vehicles.

### INFRASTRUCTURE | RESOURCES

Availability of free deposits forming a raw material base with good physical and mechanical values near transport and logistics infrastructure.

### FINISHED PRODUCTS

Dry building mixes and concrete additives

### LOCATION

Republic of Khakassia, Bogradsky District

### MARKET POTENTIAL

The annual demand of the Republic of Khakassia is **100 thousand tons** of cement

### APPROXIMATE INVESTMENTS

**3** bln rub

# CREATION OF AN INNOVATIVE IT-CENTER



### PROJECT DESCRIPTION

The construction of a high-tech, energy-efficient IT-centre building; organization of communications between IT companies, creation of an IT community in the Republic oh Khakassia; creation of an educational platform for schoolchildren and univeristy students; interaction with universities; construction of a data centre (data processing centre) and its operation.

### INFRASTRUCTURE | RESOURCES

Availability of high-speed fiber-optic Internet communication routes; favorable electricity tariffs; availability of qualified personnel; favorable tax conditions.

### FINISHED PRODUCTS

IT-centre

### LOCATION

The Republic of Khakassia

### MARKET POTENTIAL

The absence of an IT centre in the region.

### APPROXIMATE INVESTMENTS

**600** mln rub

# PRODUCTION OF PREFABRICATED HOUSES AND PANELS MADE OF AUTOCLAVED AERATED CONCRETE



## PROJECT DESCRIPTION

Organization of production manucaturing autoclaved aerated concrete with a capacity of 3000 cubic meters per month to meet the high demand in the Republic of Khakassia in both high-rise and low-rise construction. Entering markets of neighboring regions (Krasnoyarsk Region, Kemerovo Region, Republic of Tyva) in the future.

## FINISHED PRODUCTS

Prefabricated houses and panels made of autoclaved aerated concrete

## INFRASTRUCTURE | RESOURCES

The cement is needed for the production.

## MARKET POTENTIAL

The potential demand for autoclaved aerated concrete in the Republic of Khakassia is **38,000 m³ per year** and **68,000 m³** taking into account the demand of the neighboring subjects of the Russian Federation. This plant is located on the territory of the Republic of Khakassia and is guaranteed to be working at 100% of its capacity during the construction season.

## LOCATION

Republic of Khakassia, Chernogorsk, Industrial Park

## APPROXIMATE INVESTMENTS

**250 mln rub**

# DATA PROCESSING CENTRE



## PROJECT DESCRIPTION

Data processing centres, or DATA centres, are specialized platforms that host server and telecommunication equipment that provides processing and storage of information and providing services to interested parties.

## INFRASTRUCTURE | RESOURCES

Reliable energy security of the region, the need for this infrastructure.The possibility of providing electricity consumption **from 20 up to 120 MW.**

## FINISHED PRODUCTS

Data processing centre

## LOCATION

The Republic of Khakassia, Chernogorsk, Sayanogorsk, Ust-Abakansky District

## MARKET POTENTIAL

The absence of a data processing centre in the region.

## APPROXIMATE INVESTMENTS

**800 mln rub. – 1.0 bln rub**

# REPAIR OF ENRICHMENT EQUIPMENT



### PROJECT DESCRIPTION

Creation of a small digital enterprise for the repair of enrichment equipment for ALROS, SUEK, NORNICKEL, RUSAL, ROSATOM (100-150 pallets and up to 50 molds per year).

### INFRASTRUCTURE | RESOURCES

The functioning of enterprises engaged in coal mining, as well as in the production of aluminum in the region. CNC machines are available.

### FINISHED PRODUCTS

Digital enterprise for the repair of enrichment equipment.

### LOCATION

Republic of Khakassia, Chernogorsk, Industrial Park

### MARKET POTENTIAL

Potential customers identified

### APPROXIMATE INVESTMENTS

**250** mln rub.

# ALL-SEASON TOURIST CENTRE «PODNEBESIE»



### PROJECT DESCRIPTION

Construction of tourist infrastructure facilities of various thematic focus.

### FINISHED PRODUCTS

Creation of a hotel and cottage complex with up to 2550 rooms, a visitor center, a closed aqua-spa-fitness center, a ski complex, including 29 ski slopes, a snowboard park, facilities for summer use of the complex: tabogan, sports grounds, a rope town, mountain and water routes, forest footpaths.

### MARKET POTENTIAL

Attracting new people in sports, active all-season recreation: skiing, freeride, active sports, ecological, health, hiking, rafting, cultural and educational (mass) tourism.

### MATERIAL | RESOURCE BASE

The area of the land plot is 12,778 hectares. Availability of the Abakan-Askiz-Birikchul-Biskamzha motorway, availability of the Abakan-Balyksa and Novokuznetsk-Balyksa railway connections, the possibility of connecting to power grids, the average air temperature of the cold period is -11.9°C, the duration of the ski season 180 days, various mountain routes, the purest streams and rivers, waterfalls and rapids

### LOCATION

The Republic of Khakassia, Askizsky District

### APPROXIMATE INVESTMENTS

**11.33** bln rub

# CREATION OF «ETNOVILLAGE» AND «ECO- HOTEL» IN THE TOURIST TERRITORY «GORNY»



## PROJECT DESCRIPTION

Creation of an all-season tourist product in the practically undeveloped mountain-taiga territory of the republic.

## FINISHED PRODUCTS

The project provides for the creation of infrastructure, which includes 12 objects (a hotel, wooden (log) houses, a workshop house, a phyto-shop, a Russian bathhouse with taiga herbs, a gas station, a parking lot, an embankment with a wi-fi zone).

## MATERIAL | RESOURCE BASE

High natural and recreational potential, area 0.95 ha.

## MARKET POTENTIAL

The territory is located in the buffer zone of the Khakassky Biosphere Reserve, included in the Global-200 (WWF), more than 300 lakes, the largest waterfall in the Republic Khakassia, mountainous and alpine landscapes preserved in their natural state, the main migration corridor of the snow leopard.

## LOCATION

The Republic of Khakassia

## APPROXIMATE INVESTMENTS

**127** mln rub

# PROCESSING OF SHEEP PRODUCTS



## PROJECT DESCRIPTION

The project involves the creation of a modern, competitive, export-oriented enterprise for the deep processing of animal raw materials, equipped with integrated technological lines for the production of washed wool, felt, non-woven fabric (Sherstipon) and combed fluff (cashmere) as the basis of a potential manufacturing industry in the Siberian Federal District.

## MARKET POTENTIAL

The level of demand at the market of consumer goods made of wool, fur semi-finished products made of sheepskin and fur raw materials with import substitution in place is up to 2.8 million pieces per year (socks, sweaters, blankets, jackets, vests). The level of demand for a high-protein feed supplements made of skins mixed with vegetable components is more than 1.5 thousand tons.

## FINISHED PRODUCTS

Dressed skins of sheep wool, yarn from sheep wool, finished wool products (plaid and blanket from sheep wool, overcoats and coats from sheep wool, sweaters, socks and other knitwear, processing of raw hides into feed additives for farm animals.

## MATERIAL | RESOURCE BASE

Sheep wool (Tyva short-fat-tailed sheep) 1.8 million tons.

## LOCATION

The Republic of Khakassia, the Republic of Tyva

## APPROXIMATE INVESTMENTS

**450** mln rub

# CREATION OF PRODUCTION FOR DEEP PROCESSING OF ALUMINUM



### PROJECT DESCRIPTION

Production of aluminum alloys.

### MARKET POTENTIAL

Demand for innovative aluminum-based materials.

### FINISHED PRODUCTS

- production of suspension elements, steering, transmission of cars, auto and railway containers and other components from cast and deformable speakers
- production of cast components for consumer products (heating radiators, heat pumps, sports equipment, food processors, bicycles, etc.)
- production of extrusion products

### MATERIAL | RESOURCE BASE

Availability on the territory of the republic of Rusal Sayanogorsk Aluminum Smelter.

### LOCATION

The Republic of Khakassia

### APPROXIMATE INVESTMENTS

**15** bln rub

# ESTABLISHMENT OF PRODUCTION OF WOOD-FILLED PLASTIC PRODUCTS



### PROJECT DESCRIPTION

Production of extrusion wood-polymer composites.

### MATERIAL | RESOURCE BASE

The total timber stock in the Republic of Khakassia is 464.5 million m3 of mature and overmature species, of which more than 71% are conifers.

### FINISHED PRODUCTS

Cladding and floor boards, cladding panels, decorative parquet, roofing materials, furniture, windows and doors, etc.

### LOCATION

The Republic of Khakassia

### MARKET POTENTIAL

The production of extruded wood-polymer composites is one of the most promising in the field of rational use of sawmill waste, furniture and woodworking industries, the use of low-grade wood, vegetable cellulose-containing waste and secondary plastics for processing into high-quality profile parts for a wide range of applications, including construction and furniture.

### APPROXIMATE INVESTMENTS

**240** mln rub

# CREATION OF A PLANT FOR THE PRODUCTION OF EXPANDED CLAY IN THE REPUBLIC OF KHAKASSIA



### PROJECT DESCRIPTION

Creation of a plant for the production of expanded clay in the Republic of Khakassia.

### MATERIAL | RESOURCE BASE

The mineral resource base of the common minerals of the Republic of Khakassia is represented by clays and loams for the production of bricks, expanded clay and other products.

### FINISHED PRODUCTS

Expanded clay

### LOCATION

The Republic of Khakassia

### MARKET POTENTIAL

Expanded clay is a material for which there is always a steady demand.

### APPROXIMATE INVESTMENTS

**200** mln rub

# CREATION OF A CLUSTER FOR GROWING AND PROCESSING OF RAPSE



### PROJECT DESCRIPTION

Creation of a cluster for the cultivation and processing of rapse.

### MARKET POTENTIAL

Geographical proximity with the main importers of rapeseed and rapeseed oil from Siberian regions - China and Mongolia. The possibility of direct road communication with Mongolia and further to China allows eliminating the chain of intermediaries in the process of exporting oil seeds, increasing the final profitability of the project and ensuring sales stability.

### MATERIAL | RESOURCE BASE

Large sown areas, high yields.

### FINISHED PRODUCTS

- Feed rapeseed - grown as livestock feed
- Edible rapeseed - grown for edible oil
- Technical rapeseed - intended for the production of biofuels

### LOCATION

The Republic of Khakassia

### APPROXIMATE INVESTMENTS

**400** mln rub

# CONSTRUCTION OF A PLANT FOR THE PRODUCTION OF OAT FLAKES



### PROJECT DESCRIPTION

Construction of a plant for the production of oat flakes.

### MATERIAL | RESOURCE BASE

In the republic, according to research, the yield and sowing qualities of seeds under growing conditions in the steppe zone of Khakassia show good results.

### FINISHED PRODUCTS

Oat flakes

### LOCATION

The Republic of Khakassia

### MARKET POTENTIAL

The oat flakes production is a profitable business that initially does not require large investments.

### APPROXIMATE INVESTMENTS

**20 mln rub**

# CREATION OF A CENTER FOR UTILIZATION AND PROCESSING OF WOOD AND WOOD WASTE, AS WELL AS PRODUCTION OF ENVIRONMENTALLY FRIENDLY FUEL



### PROJECT DESCRIPTION

Creation of a center for the utilization and processing of wood and wood waste, as well as the production of environmentally friendly fuel in the Republic of Khakassia.

### FINISHED PRODUCTS

Pellet production

### MARKET POTENTIAL

The Republic of Khakassia is located in a zone of increased natural potential for atmospheric pollution, in connection with which the improvement of the environment in Khakassia has become one of the key tasks facing the Government of the Republic of Khakassia.

The production of pellets, an environmentally friendly biofuel obtained from wood waste, will be one of the viable industries in the region.

### MATERIAL | RESOURCE BASE

The total timber stock in the Republic of Khakassia is 464.5 million m3 of mature and overmature species, of which more than 71% are conifers.

### LOCATION

The Republic of Khakassia

### APPROXIMATE INVESTMENTS

**50 mln rub**

# DEVELOPMENT OF ROADSIDE TOURIST INFRASTRUCTURE



### PROJECT DESCRIPTION

Development of the roadside tourist infrastructure «Arbuz».

### FINISHED PRODUCTS

The project creates a roadside cafe for 10 seats with an area of at least 48.2 square meters with an observation platform on the roof, parking for 5 cars and 5 trucks, a waste collection area, a sanitary zone, an observation platform with binoculars and an information stand  about bird species listed in the Red Books and QR codes, a branded stele and an information stand in front of the cafe.

### MATERIAL | RESOURCE BASE

Location: near Lake Bugaevo and the specially protected object «Urochishe Trekhozerki» along the main route to the SSH HPP. The territory can also be used as a birdwatching point for rare birds. The territory is located in the water protection zone of the lake. Daily car flow - 1975 cars.

### LOCATION

The Republic of Khakassia

### MARKET POTENTIAL

Arbuz (Watermelon) is a sculpture located next to the lake, not far from the city of Sayanogorsk along the highway 95H-011. It is in the TOP-100 unusual monuments of Russia – «SculpTUTUra».

### APPROXIMATE INVESTMENTS

**5 mln rub**

# CONSTRUCTION OF TRANSPORT AND LOGISTICS CENTER



### PROJECT DESCRIPTION

Construction of a transport and logistics center.

### MATERIAL | RESOURCE BASE

Developed engineering infrastructure of the park.

### FINISHED PRODUCTS

Transport and logistics center

### LOCATION

The Republic of Khakassia

### MARKET POTENTIAL

Large area of plots, nearest airport - 22 km, railway station - 5 km, federal highway M-57.

### APPROXIMATE INVESTMENTS

**1 bln rub**

# DEVELOPMENT OF FALLOW AGRICULTURAL LANDS



### PROJECT DESCRIPTION

Increase in volumes, cultivation of spring crops, development of plantations of sea buckthorn and berry cropsraw material

### INFRASTRUCTURE | RESOURCES

Agricultural land **55000 ha**

### MARKET POTENTIAL

The region 's need for vegetables amounts to **41.5 thousand tons**

### LOCATION

Tyva Republic

### APPROXIMATE INVESTMENTS

**from 100 mln rub**

# PROCESSING OF WILD PLANTS



### FINISHED PRODUCTS

Fresh frozen berries, berry jams, berry juices, jams, medicinal herbs, oils, pine nuts in syrup.

### INFRASTRUCTURE | RESOURCES

Potential procurement volume in the Tyva Republic is **1 million tons per year**

### MARKET POTENTIAL

High demand for ecologically safe products, the possibility of creating an export-oriented enterprise for processing wild plants and compositions made of them.

### LOCATION

Tyva Republic, Todzhinsky and Barun-Khemchinsky District

### APPROXIMATE INVESTMENTS

**117 mln rub**

# REGIONAL INFORMATION AND SELECTION CENTRE



### PROJECT DESCRIPTION

Production and sale of embryos, transplantation of embryos of highly productive animals, artificial insemination based on innovative technologies.

### INFRASTRUCTURE | RESOURCES

Breeding dairy cows of the Holstein Friesian breed and Aberdeen Angus beef breed – **84 thousand embryos per year**

### MARKET POTENTIAL

There is a high demand for meat and meat products, for improving breed values, productivity of agricultural animals and the need to develop pastures for agisting highly productive livestock.

### LOCATION

- Tyva Republic, Piy-Khemsky District
- Republic of Khakassia, Bogradsky District

### APPROXIMATE INVESTMENTS

**477 mln rub**

# HEALTH-IMPROVING AND TOURIST COMPLEX ON DUS-KHOL LAKE



### PROJECT DESCRIPTION

Collective accommodation facility that meets modern technical requirements.

### INFRASTRUCTURE | RESOURCES

Dus-Khol lake is comparable in properties to the Dead Sea, due to the presence of mud and brine, it has an effective therapeutic effect in diseases of the skin, joints, nervous system, musculoskeletal system and gynecology.

### MARKET POTENTIAL

There is a high demand for wellness holidays in the region.

### LOCATION

Tyva Republic, Tandinsky District

### APPROXIMATE INVESTMENTS

**150 mln rub**

# TAIGA TOURIST COMPLEX



### PROJECT DESCRIPTION

A modern all-season complex with a primary focus on active types of tourism: collective accommodation facility with a room stock (total area of the room stock is 1000 sq.m.), catering facilities.

### INFRASTRUCTURE | RESOURCES

Piy-Khemsky District of Tyva Republic, «Tyva» nature park.

### LOCATION

Tyva Republic, Piy-Khemsky District

### MARKET POTENTIAL

High demand for alpine skiing, winter sports and active tourism.

### APPROXIMATE INVESTMENTS

**850 mln rub**

# USH-BELDIR RESORT



### PROJECT DESCRIPTION

Reconstruction of the existing balneological «Ush-Beldir» resort in the Republic of Tyva and construction of all necessary infrastructure, including the one for the resort power supply.

### INFRASTRUCTURE | RESOURCES

«Ush-Beldir» resort mineral waters have a high therapeutic effectiveness, the positive effect reaches 96.2% in direct care.

### MARKET POTENTIAL

High prospects for the development of health-improving and recreational types of tourism.

### LOCATION

Tyva Republic

### APPROXIMATE INVESTMENTS

**2 bln rub**

# TOURIST COMPLEX ON CHAGYTAY LAKE



### PROJECT DESCRIPTION

Aamily holiday complex with equipped beach area.

### INFRASTRUCTURE | RESOURCES

High possibility of  development of active tourism (rafting, fishing).

### MARKET POTENTIAL

Significant recreational potential and popularity of the place among residents of the republic and from neighboring regions.

### LOCATION

Tyva Republic, Tandinsky District

### APPROXIMATE INVESTMENTS

**1.2** bln rub

# LOGISTICS TOURIST CENTRE FOR FISHING



### PROJECT DESCRIPTION

Logistics tourist center for fishing in the Kaa-Khemsky District: creation of a logistics center for the development of ecological and water tourism in the north-eastern part of the Republic of Tyva.

### COMPOSITION OF OBJECTS

- guest houses for 21 persons (VIP), guest houses for 90 persons (standard), caferestaurant for 200 persons, administrative building
- stable
- view points
- bath complex
- helicopter pad, mooring to the river Kaa-Khem (Small Yenisey)

### TOURISM POTENTIAL

High prospects for the development of water, active and ethnographic tourism

### LOCATION

Tyva Republic, Kaa-Khemsky District

### APPROXIMATE INVESTMENTS

**1 000** mln rub

# DESPENSKOYE GOLD DEPOSIT



## PROJECT DESCRIPTION

Deposit area up to 600 sq m. It is compared with the deposits and occurrence of the Tardanskoye gold ore cluster in terms of areal distribution and concentration of gold. Gold content ranges from 2 to 15.5 gr per ton. P3 category predicted resources up to 5600 kg.

## INFRASTRUCTURE | RESOURCES

- It is compared with the deposits and occurrence of the Tardanskoye gold ore cluster in terms of areal distribution and concentration of gold.
- Deposit area up to 600 sq m. Predicted resources amounted to 600 * 31.086 * 0.3 = 5600 kg.

## FINISHED PRODUCTS

Ore gold

## MARKET POTENTIAL

There are about 7 gold deposits in the Republic of Khakassia and 5 industrial enterprises are mining.

## LOCATION

Tyva Republic, Tes-Khemsky District

## APPROXIMATE INVESTMENTS

**5 bln rub**

# CREATION OF A CUSTOMS AND LOGISTICS TERMINAL IN THE CLOSE PORXIMITY FROM THE KHANDAGAITY AUTOMOBILE CHECKPOINT



## PROJECT DESCRIPTION

Creation of border infrastructure for the development of trade and economic relations between the regions of Central Siberia and the territories of Western Mongolia and Western China. Activation and expansion of interregional cooperation against the background of common international plans based on close and coordinated interaction on the integration of promising cross-border projects.

## PLANNED FACILITIES

- temporary storage
- bonded warehouse
- hotel for 30 beds with cafe for 50 seats
- wholesale and retail centre
- 2 storey office building (including the provision of insurance services)
- warm car park
- parking with lighting

## LOCATION

Tyva Republic, southern border with Mongolia

## MARKET POTENTIAL

The flow in multilateral mode can reach more than 100 thousand people a year.

## APPROXIMATE INVESTMENTS

**150 mln rub**

# SOLCHURSKOYE DEPOSIT OF LEAD-ZINC ORES



### PROJECT DESCRIPTION

Mineral resource base development based on integrated and environmentally sound use of natural resources with subsequent processing of mineral raw materials.

### INFRASTRUCTURE | RESOURCES

Forecast resources of category **P1 zinc 355 thousand tons, lead 169.4 thousand tons, category P2 zinc 398 thousand tons, lead 153 thousand tons, category P3 zinc 454 thousand tons, lead 233 thousand tons.**

### FINISHED PRODUCTS

Lead-zinc ore concentrate

### LOCATION

Tyva Republic, Ovursky District

### MARKET POTENTIAL

Kyzyl-Tashtygskoye deposit in Tyva Republic, OOO Lunsin. Gorevskoye zinc-lead deposit in Krasnoyarsk Region

### APPROXIMATE INVESTMENTS

**17** bln rub

# KYZYK-CHADRSKOYE DEPOSIT OF GOLDCOPPER-MOLYBDENUM ORES



### PROJECT DESCRIPTION

Mineral resource base development based on integrated and environmentally sound use of natural resources with subsequent processing of mineral raw materials.

### INFRASTRUCTURE | RESOURCES

Total predicted resources P1+P2+P3 are copper 1053+770+425 = **2350 thousand tons** molybdenum 43.6+28+22 = **93.6 thousand tons** balance reserves of gold **949 kg**

### FINISHED PRODUCTS

Ore extraction **0.5 million/year**

### LOCATION

Tyva Republic, Piy-Khemsky District

### MARKET POTENTIAL

Three deposits are taken into account in the Republic of Khakassia. Sorskoye deposit is being developed, Agaskyrskoye deposit was being prepared for industrial development. As of 01.01.2020 Sorskoye deposit reserves amount to cat. B+C1 – 151 067 thousand tons of ore and 92 222 tons of molybdenum, cat. C2 – 533 thousand tons of ore and 166 tons of molybdenum.

### APPROXIMATE INVESTMENTS

**25** bln rub

# KARASUGSKOYE DEPOSIT OF RARE EARTH METALS



## PROJECT DESCRIPTION

According to a number of parameters, the Karasugskoye deposit can be classified as promising. It belongs to the world's leading geological and industrial type of rare earth deposits - bastnaesite carbonatites, the ore processing technology of which has been tested abroad.

## INFRASTRUCTURE | RESOURCES

Ore reserves category A+B+C1 **319.6 million tons**, including **110.7 million tons of iron**, **34.7 million tons** of fluorite, **61.6 million tons** of barite. Inferred resources **P1 = 782 million tons, P2 = 473.7 million tons, P3 = 50.8 million tons.**

## FINISHED PRODUCTS

Rare earth metals ores concentrate

## LOCATION

Tyva Republic, Chaa-Kholsky District

## MARKET POTENTIAL

The Tomtorskoye deposit of rare earth metals is located in the north-west of the Sakha Republic. Inferred resources **(P1) of 1 640. 389 thousand tons** of rare metals, it is one of the largest in the world.

## APPROXIMATE INVESTMENTS

**1.4 bln rub**

# TASTYGSKOYE LITHIUM DEPOSIT



## PROJECT DESCRIPTION

Alakhinskoye lithium-tantalum deposit is located in Kosh-Agachsky district of Altai Republic. One of the largest lithium deposits of Siberia.

## INFRASTRUCTURE | RESOURCES

C2 category ore reserves = **40,737 thousand tons**, lithium oxide **596 thousand tons**, average lithium oxide grade 1.46%

## FINISHED PRODUCTS

Enriched lithium-containing ores

## LOCATION

Tyva Republic, Erzinsky District

## MARKET POTENTIAL

Its projected reserves are estimated at 68 million tons of ore with an average content of spodumene of 5%, that is, approximately 3.4 million tons of spodumene concentrate or 448 thousand tons of $Li_2O$.

## APPROXIMATE INVESTMENTS

**17 bln rub**

# ALDAN-MADYRSKOYE ORE GOLD DEPOSIT



### PROJECT DESCRIPTION

Geological-structural and mineral-geochemical features of gold of the studied gold quartz objects of this gold ore node indicate the possibility of identifying promising for the development gold deposits of large reserves within the node.

### INFRASTRUCTURE | RESOURCES

The tested inferred resources within the subsoil area are: for category **P1 – 9100 kg**, for category **P2 – 4700 kg.** The area of the subsoil plot is **76.42 sq. km**. Explored by Rosgeologia in 2021

### FINISHED PRODUCTS

Selective extraction of rich ores and its processing at a gold recovery plant according to a gravity scheme.

### LOCATION

Tyva Republic, Sut-Kholsky District

### MARKET POTENTIAL

There are about **7 gold deposits** in the Republic of Khakassia and **5 industrial enterprises** are mining.

### APPROXIMATE INVESTMENTS

**3 bln rub**

# DEVELOPMENT OF THE CHANGYZ KHADYNSKOYE BITUMINOUS COAL DEPOSIT



### PROJECT DESCRIPTION

It is located 30 km east of the city of Chadan of the Republic of Tyva. The reserves of the Changyz Khadynskoye coal deposit in category A, B, C1 are estimated at 37 million tons, in category C2 – 13 million tons.

### INFRASTRUCTURE | RESOURCES

Production of thermal coal up to **500 tons per year.** KS grade of coal.

### FINISHED PRODUCTS

Thermal coal

### LOCATION

Tyva Republic, Dzun-Khemchiksky District

### MARKET POTENTIAL

According to mining conditions, the deposit is suitable for efficient open-pit mining to a depth of 27-182 m.
The total thickness of the opening rocks is from 20-30 m to 160-170 m.

### APPROXIMATE INVESTMENTS

**400 mln rub**

# SPECIAL ECONOMIC ZONE



## PROJECT DESCRIPTION

An industrial park, a wholesale distribution center with processing centres, public and business facilities, a customs terminal, including warehouses for e-commerce, engineering and energy infrastructure facilities, a transport and logistics complex (including warm and cold warehouses).

## MARKET POTENTIAL

The emergence of new production and logistics facilities on the territory of the SEZ «Khandagayty» will create conditions for the transformation of the economic model of the region from mainly raw materials one towards industrial and innovative development, carried out on the basis of advanced development of education, science and innovation using new tools of regional development.

## INFRASTRUCTURE | RESOURCES

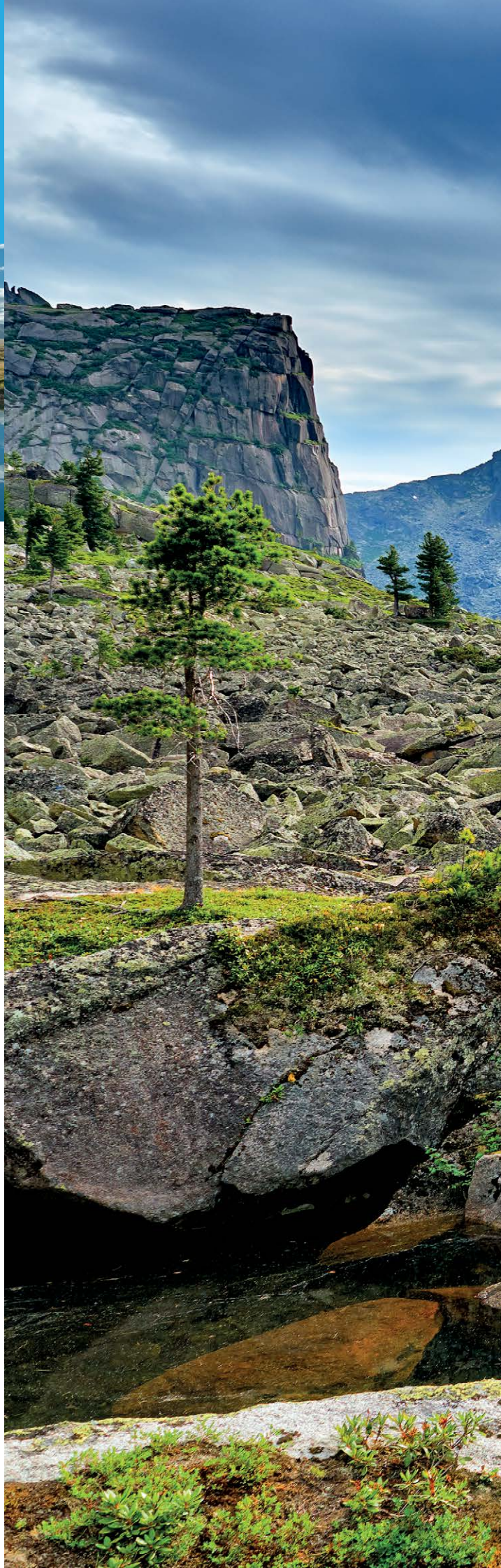
Promising activities: chemical processing of wood, production of wood slabs, pellets, furniture, building materials, agricultural products, production of equipment for the agro-industrial complex, machinery, etc

## LOCATION

Tyva Republic, «Khandagayty - Borshoo» automobile checkpoint (Borsho)

## APPROXIMATE INVESTMENTS

**4 bln rub**

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