



Government
of the Murmansk region



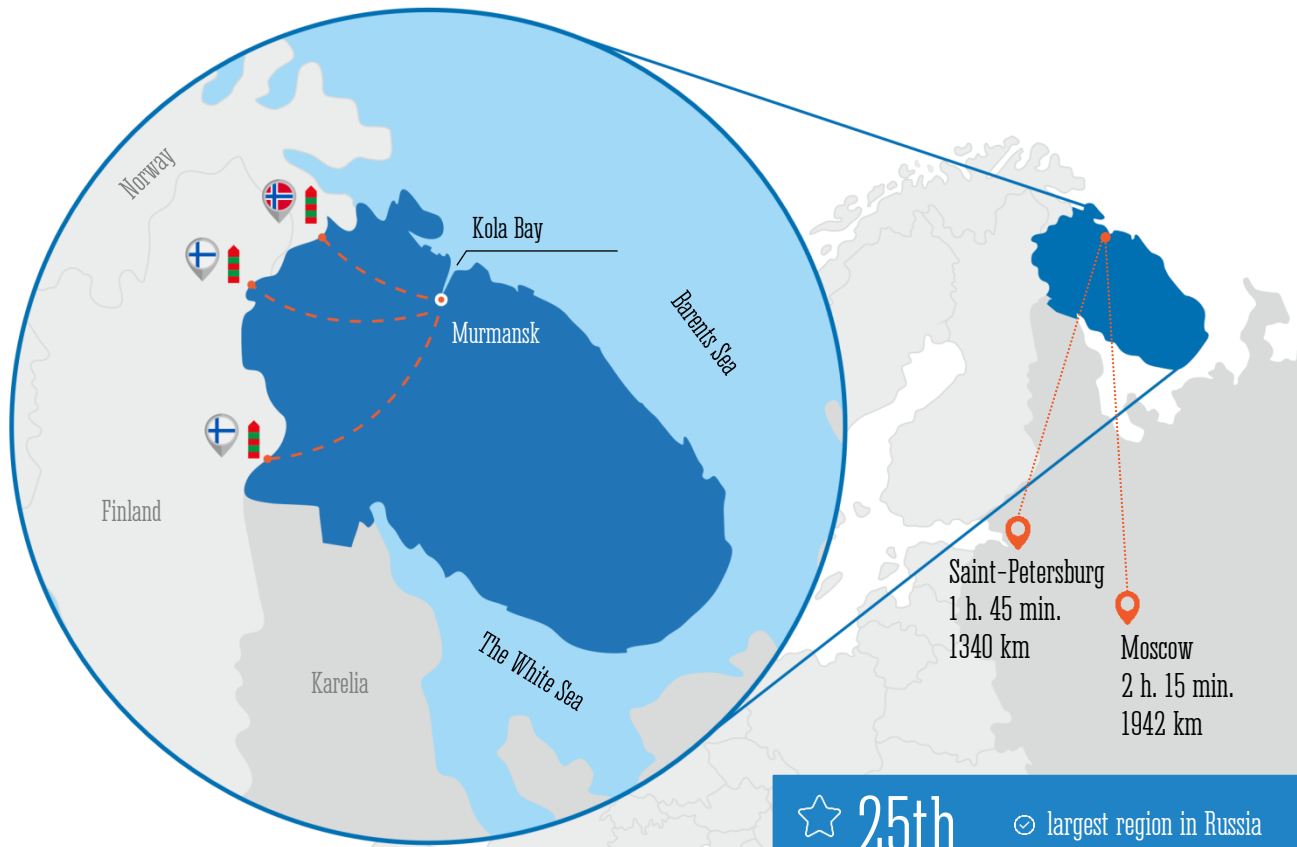
85
MURMANSK
REGION
#toliveinthenorth

#toliveinthenorth

PROSPECTS FOR THE INDUSTRY DEVELOPMENT IN THE MURMANSK REGION

Potential growth points of Russian-Chinese cooperation

INVESTMENT CLIMATE



144,9 thousand km² area

the HERO CITY OF MURMANSK
WORLD'S LARGEST city north of Arctic Circle

#toliveinthenorth



RUSSIA'S
NORTHERN GATEWAY

☑ Direct access to high seas and the Northern Sea Route
WITHOUT THE NEED to sail international straits



100%
of the territory is a special economic zone
☑ Arctic Zone of the Russian Federation

OVER 4 YEARS

☑ Economic growth 1,2 TIMES ↑
☑ Industry growth 10,8% ↑

ACRA — A(RU), forecast "Stable"



ADZ and AZRF



LEADERS in the number of residents of the AZRF

'Capital of the Arctic'
Advanced Development Zone

8 residents

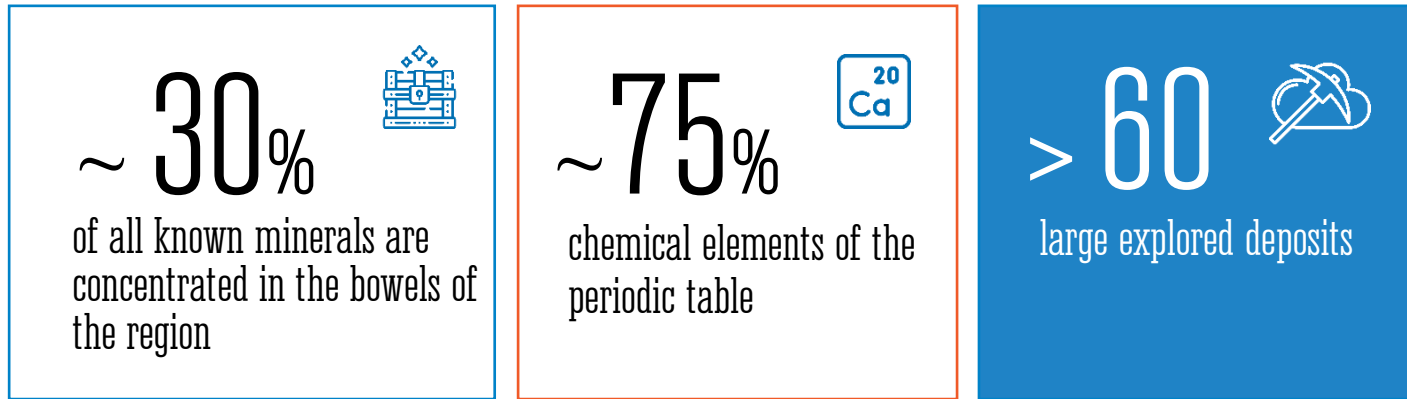
Arctic Zone
of the Russian Federation

192 residents

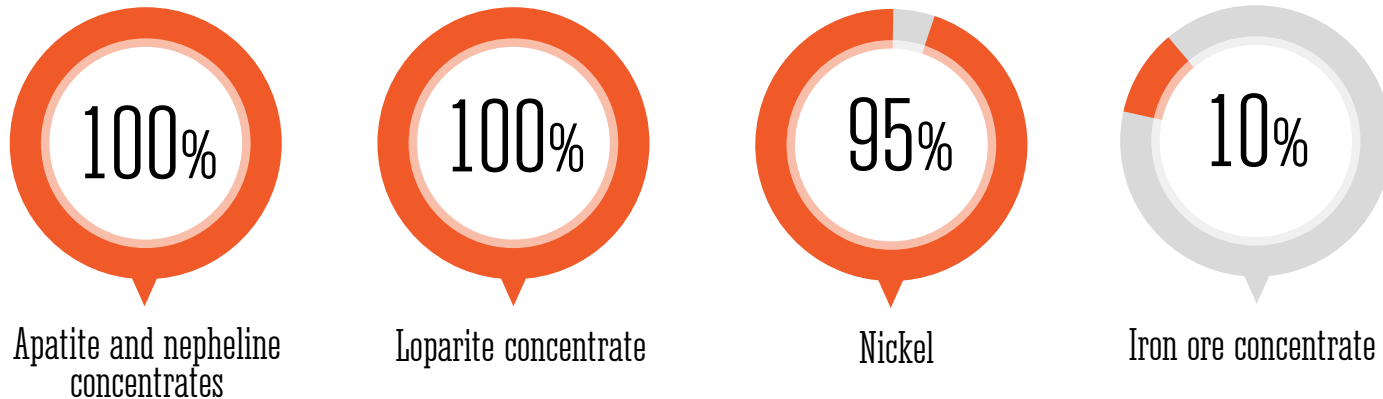
318,8 billion ₺, total investment volume

11,1 thousand new jobs

RESOURCE BASE OF THE REGION



Share in national output



#toliveinthenorth

RESOURCE POTENTIAL of the Murmansk region



KEY DEVELOPMENT PROJECTS

CENTER FOR THE CONSTRUCTION OF LARGE-TONNAGE OFFSHORE STRUCTURES

✔ >200 billion ₺ of investments

✔ ANCHOR ADZ'S RESIDENT

✔ FINAL
implementation stage



the construction of the
main facilities is

**FULLY
COMPLETED**



**HAS NO
analogues
in the
world**

#toliveinthenorth

✔ WORLD'S FIRST PLANT for the serial production of natural gas liquefaction lines on gravity-type bases

✔ The height of the workshop (93 meters) makes it the tallest building in the Arctic Circle

✔ The size of the largest dry dock equals 15 football fields

✔ The workshop where the plant is being assembled is the largest production workshop in Russia, with a construction volume of more than 9 million cubic meters

✔ The total weight is about 640 thousand tons

✔ 3 Boeing-737 aircraft are freely placed in the plant's tank



#toliveinthnorth

KEY DEVELOPMENT PROJECTS

COMPREHENSIVE DEVELOPMENT OF THE MURMANSK TRANSPORT HUB



LAVNA COAL TRANSSHIPMENT COMPLEX

₽ 71B in investment

18 m tons per year capacity

61% of construction is
COMPLETED

up to **80**

m tons per year
cargo transshipment
by 2030

₽ **37,7B**

allocated by the Government of
the Russian Federation

construction started
in 2023



largest transport hub
near Russia's
northern shores

CONSTRUCTION OF THE VOLKHOVSTROY – VYKHODNOY BRANCH RAILWAY

₽ 43,4B in investment

1326 km – length

✓ **96%**

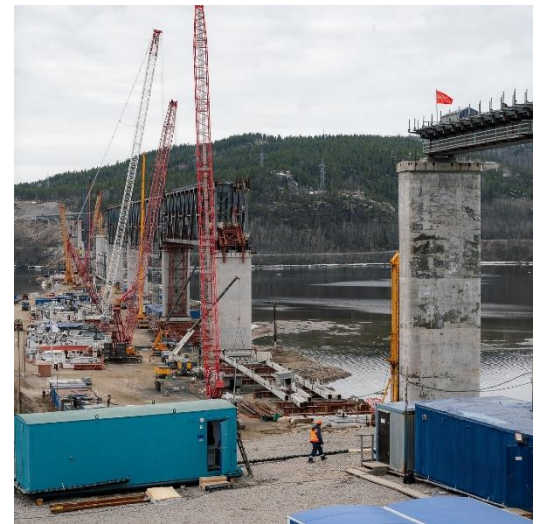
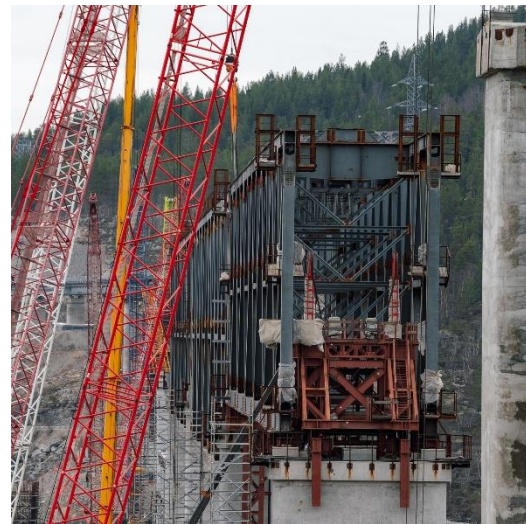
of earthworks are
COMPLETED

✓ **56%**

of general construction
works are COMPLETED

A KEY BRANCH for projects on the
Kola Bay's western shore, which will
provide a cargo base for the Northern
Sea Route

#toliveinthenorth



#toliveinthnorth

GASIFICATION

DURING GASIFICATION



>20 THOUSAND JOBS for qualified specialists will be created



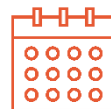
up to 400 BILLION rubles of investments in fixed assets will be attracted



THE PRESIDENT OF RUSSIA SUPPORTED THE GASIFICATION OF THE MURMANSK REGION



GAZPROM PJSC HAS STARTED DESIGNING



On April 12, 2023, a meeting of the **GASIFICATION WORKING GROUP** was held **WITH THE PARTICIPATION** of the **DEPUTY CHAIRMAN OF the GAZPROM MANAGEMENT BOARD** on prospective gas consumption volumes and updating the General Scheme of Gas Supply and Gasification of the Murmansk Region

KEY DEVELOPMENT PROJECTS

AN INVESTMENT CONTRACT WITH EUROCHEM

100 billion ₺

over 10 years will be allocated for the development of the Kovdorsky mining and processing plant

⌚ About **23 BILLION** will go to the regional budget over the years

⌚ **STABLE** extraction and production up to 2047

⌚ **DEVELOPMENT OF A MINING AND PROCESSING PLANT ON THE BASIS OF THE OLENIY RUCHEY DEPOSIT**

NWPC  69,2 billion ₺

⌚ **FULL PROVISION** of Russian enterprises with phosphate raw materials for the production of fertilizers

⌚ **DEVELOPMENT OF THE PECHEGUBSKY DEPOSIT**

Olenegorsky Mining and Processing Plant

⌚ **PROVISION** of raw materials up to 2038

⌚ **165** thousand tons of ore **ALREADY** processed

⌚ **AFRIKANDA DEPOSIT**

⌚ One of the **WORLD'S LARGEST** deposits of perovskite-titanomagnetite ores

⌚ **FEDOROVA TUNDRA DEPOSIT**

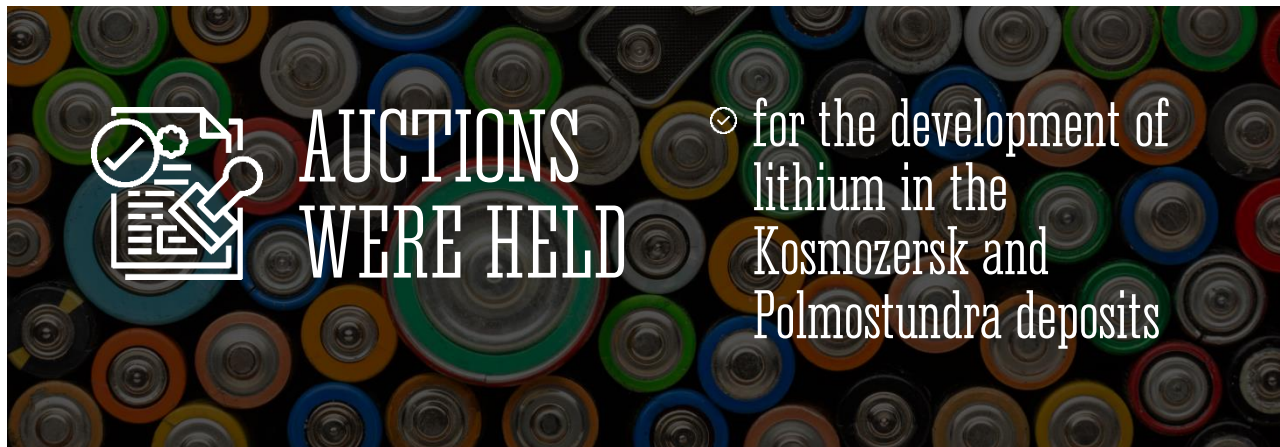
⌚ Development of **THE LARGEST** platinoid deposit in **Europe**


Total investment volume

78,4 billion ₺

New jobs

>1800



 **AUCTIONS WERE HELD** ⌚ for the development of lithium in the Kosmozersk and Polmostundra deposits

COOPERATION

| mining industry



Almost every company
IS WORKING ON OPTIONS FOR REPLACING THE
EXISTING PRODUCTION BASE

- ☑ Cables
- ☑ Engine parts
- ☑ Spectrometers
- ☑ Sensors
- ☑ Tires
- ☑ Pumps and gearboxes
- ☑ Switches
- ☑ Modules



ALREADY COOPERATING



NORNICKEL



#toliveinthnorth

WE SUGGEST TO

LOCALIZE

assembly and repair production
of mining equipment of Chinese
manufacturers in our region

International Mining Industry Conference "Barents-
Arctic Economic Partnership" in Kirovsk

- ☑ the **KEY PLATFORM** of the region
for mining enterprises

COOPERATION

| SHIP REPAIR



A FULL RANGE OF ship repair works in the region



POTENTIAL INTERACTION POINTS WITHIN THE FRAMEWORK OF THE SHIP REPAIR CLUSTER PROJECT

ship-lifting devices

- ☑ a transfer floating dock with a lifting capacity of up to 6 thousand tons
- ☑ a floating dock with a lifting capacity of up to 10 thousand tons

machine park Including:

- ☑ edge bending and sheet bending machines with a force of up to 200 tons
- ☑ machines for balancing propeller shafts
- ☑ pipe bending machines for bending pipes up to 800 mm in diameter
- ☑ boring and horizontal boring machines for processing parts weighing up to 3 tons

#toliveinthenorth

THE PROJECT OF CREATING A SHIP REPAIR CLUSTER

- ☑ the Government of the Murmansk region
- ☑ JSC State Transport Leasing Company (GTLK)

covering the needs for the maintenance of ships in the Russian Arctic

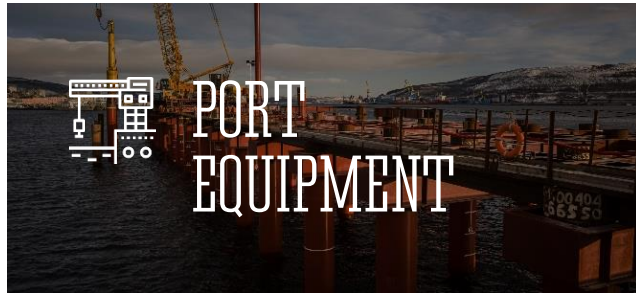


2023 COMPLETION of financial and economic justification of the project

ARE INTERESTED IN
sharing experience with

China

POTENTIAL FOR COOPERATION IN OTHER INDUSTRIES



PORT EQUIPMENT



AIRPORT ACTIVITIES

Including:

- ☑ snow removal equipment
- ☑ ornithological equipment
- ☑ equipment for cleaning and repairing runway surfaces

MUNICIPAL SERVICES

Including:

- ☑ pumping equipment
- ☑ heat exchange equipment
- ☑ lighting equipment
- ☑ electronics and automatics
- ☑ gas equipment for liquefied petroleum gas
- ☑ boiler equipment
- ☑ metering devices

TRANSPORT


Including:

- ☑ passenger vehicles
- ☑ spare parts
- ☑ garage equipment
- ☑ creation of car service centers for repair of supplied equipment

STONEMASONRY

- ☑ equipment and building of the technological process

CONSTRUCTION

>20  construction companies

ARE INTERESTED
in cooperation

- ☑ construction equipment
- ☑ equipment and tools
- ☑ building materials

cooperation in the field of housing construction **IS POSSIBLE**



China has prospects of becoming the **MOST IMPORTANT SUPPLIER** of products and components in the Murmansk region



Government
of the Murmansk region



85 MURMANSK
REGION
#toliveinthenorth

TO LIVE IN THE NORTH!