



KAZATOMPROM IS THE LEADING COMPANY ON THE GLOBAL URANIUM MARKET





KAZATOMPROM
NATIONAL ATOMIC COMPANY

*The **Semipalatinsk** nuclear test site in Kazakhstan was subjected to 456 nuclear tests from 1949 to 1989.*



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Ulba Metallurgical Plant is one of the world leaders in terms of production of beryllium, tantalum and niobium, as well as uranium-based fuel bricks for nuclear power stations



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Key Results of the Company

2016

Number of
personnel

25 819
employees

Social
stability rating is

81%

increase by
9% compared
to 2015

83,2%

Corporate governance
rating, increase by
5.2% compared to
2015



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Joint uranium mining and processing:	Supply of uranium:	Joint projects in the Nuclear Fuel Cycle:	Researches:	Renewable energy:	Joint projects in the field of RM and REM:	Trading activity
Russia Canada France China Japan	China USA South Korea EU countries India Ukraine Canada	Russia Canada France	Russia France Germany South Korea	Japan France Germany	Japan Russia Germany China France	Switzerland

cooperation geography nac kazatomprom jsc





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URANIUM PRODUCTION in 2016

■ KAP + JVs in KZ

- Canada
- Australia
- Nigeria
- Russia
- RoW

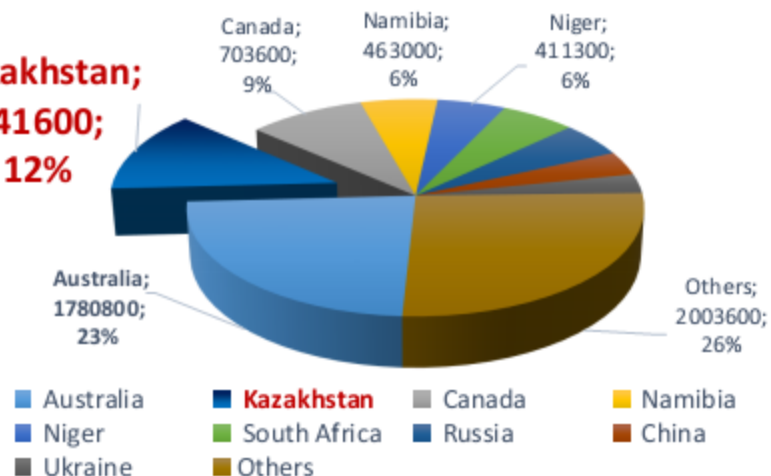


KAP;
13000;
22%

JVs in KZ;
10800;
18%

IDENTIFIED RESOURCES

Kazakhstan;
941600;
12%



1

The world leader
in uranium mining

2

Second largest uranium
reserves in the world

AREAS OF ACTIVITY:

- Geological exploration;
- Natural uranium mining;
- Uranium products: natural uranium concentrate, ceramic grade uranium dioxide powders, and fuel pellets;
- Quartz, metallurgical silicon, PV cells and plates;
- Renewable energy sources: PV modules;
- Bulk concentrate of rare-earth metals;
- Beryllium, tantalum, niobium products;
- Generation of electrical and heating power;
- Science, social security and personnel training
- Communication services;
- Production of distillate, hot, technical and drinking water.

MAIN CHARACTERISTICS OF THE PRODUCTS

Uranium products	uranium mining, reprocessing and sale of uranium products;
Beryllium products	production and sale of beryllium items, as well as research and development
Tantalum products	production and sale of tantalum items, as well as research and development
Energy resources	production and sale of power energy, heating power and water;
Alternative energy sources	production and sale of equipment for alternative energy sources;
Other	production and sale of other products, as well as rendering services connected with the main production

NUCLEAR FUEL CYCLE (front-end)

PARTICIPATION IN URANIUM ENRICHMENT



PRODUCTION OF URANIUM DIOXIDE POWDER



FUEL PELLETS PRODUCTION



REFINERY PLANT (UO₃) FLOURIDE PRODUCTION (UF₆)



URANIUM MINING



PRODUCTION OF FUEL ASSEMBLIES (FA)

 EXISTING PRODUCTION

 AT THE STAGE OF PLANNING AND CREATION



➤ 50% OF SHARES IN «CUE» CJSC, WHICH OWNS 25% OF «UECP» OJSC



CREATION OF THE REFINERY IN RK

- Cameco performed transfer of uranium refining technology to JV Ulba-Conversion LLP;
- investment decision will be made on the basis of the results of the feasibility study before the end of 2017;

➤ 50% CERTIFIED MANUFACTURER OF FUEL PELLETS FOR THE FOLLOWING TYPES OF REACTORS:

- VVER, RBMK Russian design;
- AFA 3G French design.



CREATION OF NUCLEAR FUEL PRODUCTION (FA) IN RK

- JV Ulba-TVS LLP created (Ulba-51%; CGN-49%);
- Capacity: 200 tons/year (CGN, CNNC) + 200 tons/year (Ukraine, Russia);
- First product: in 2019.



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By 2025 Kazatomprom is the company concentrated its activities in the nuclear business and diversified into all stages of front-end nuclear fuel cycle as a leading global supplier of natural uranium and a regional supplier of nuclear fuel and its components for nuclear power plants.

1. Keep leading positions in the world in extraction and sales of natural uranium.
2. Become one of the major reliable suppliers of nuclear fuel and its components.
3. Develop products and services that best meet our customer needs.

VISION

MISSION



KAZATOMPROM
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- ✓ One of the main uranium suppliers to the USA;
- ✓ The largest foreign uranium supplier in France;
- ✓ Diversified market and significant exposure to high growth Asia.





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Kazakh-Japanese
"APPAAK" LLP (2005*)
"Baiken-U" LLP (2006)

* year founded



Kazakh-French
JV "KATCO" LLP (1996)



Kazakh-Chinese
"Semizbai-U" LLP (2006)



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11 joint ventures
with the top uranium mining
companies successfully operating
in cooperation with
Kazatomprom



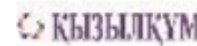
Kazakh-Russian
JV "Karatau" LLP (2005),
JV "Akbastau" JSC (2006),
JV "SMCC" LLP (2014),
JV "Khorasan-U" (2014)



Kazakh-Russian-Kyrgyz
JV "Zarechnoye" JSC (2001)



Kazakh-Canadian
JV "Inkai" LLP (1996)



Kazakh-Kyrgyz-Russian
"Kyzylkum" LLP (2005)

**On the 29th of August, 2017
President of Kazakhstan Mr. Nursultan Nazarbayev opened the
building of the IAEA Low Enriched Uranium Bank in Kazakhstan**





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THANK YOU FOR YOUR ATTENTION!