




MINING. METAL. GENERATION

**25-27/09
2019**

Second international expo forum for equipment, technologies and materials for the mining and extractive industry, mining and smelting complex, and the generating industry

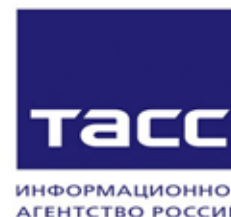
“Mining. Metallurgy. Generation 2019”

 **IEC
“Novosibirsk
Expo Center”**

Expo-forum “Mining. Metallurgy. Generation 2019” is held with the support from:

- Ministry of Natural Resources and ecology of the RF
- Department of Energy of the RF
- Ministry of Digital Development, communications, and public communications of the RF
- Ministry of Finances of the RF
- Ministry of Economic Development of the RF
- Ministry for industry and trade of the Novosibirsk region
- Governor of the Novosibirsk region
- Committee of the State Duma for power industry
- Chamber of Commerce and Trade of the RF
- JSC “Russian Export Center”
- Union of extractive enterprises of the RF

Information partners:



“MINING. METALLURGY. GENERATION 2019” - international expo forum, largest integration industry-level event of Russia. That is a unique and effective business venue where decisions will be made and contracts signed, which will determine a new stage of development of the mining industry, metallurgy, and generation within the frameworks of the “Industry 4.0” strategy.

MISSION OF THE EXPO FORUM “MINING. METALLURGY. GENERATION 2019” - facilitation to the promotion of the mining, mining & metallurgy and generating industries through promotion of new promising technologies and solutions of substantial economic effect, which comply with the topmost environmental standards.



BUSINESS PROGRAM OF THE EXPO FORUM:

Plenary session: “Industry 4.0” concept and its implementation in the mining & metallurgical complex of Russia”.

Plenary session: “Technologies for environmental protection. Ecological factors and significance in the development of the mining & metallurgical complex of Russia”.

Also within the frameworks of the business program, held will be round-table talks, workshops, and conferences in the “workshop” on the following topics:

- Interaction of coal-mining, metallurgical, and power-generating enterprises of the RF.
- Coal is a driving force in the progression of Russian-Chinese relationships. Export of coal into the countries of the Asia-Pacific region.
- Latest technologies for mining precious metals.
- Industrial safety in the production environment and much more.

Expo platforms



MINING

Key players of the industry for mining and processing of extractable resources.

PROFILE OF PARTICIPANTS

Geologic exploration: research into subsurface resources, search for and appraisal of deposits, exploration, and equipment
Extraction of commercial minerals: technologies, equipment
Minerals processing: technologies, equipment

Warehousing of commercial minerals
Industrial safety of mining operations
Coke productions.
Coking equipment and technologies
Training new staff



GENERATION

Leading companies specializing in the production, transmission, and distribution of electric energy, use of energy and renewable energy sources will be using this leading showwindow for promoting promising industrial innovations in products.

PROFILE OF PARTICIPANTS

- Bio fuel
- Boilers and heat exchangers, combustion systems
- Cables and wires
- Diesel and gas engines
- Equipment and services
- Energy technologies
- Generators and all accessories
- Hydroelectric energy

- Independent energy producers
- Metering and related components
- Renewable energy, equipment and services
- Solar energy, wind and gas turbines
- Transformers
- Transmission and distribution



METALWORKING

Industry leaders in the sphere of metalworking.

PROFILE OF PARTICIPANTS

- Foundry equipment and technologies
- Equipment and technology for thermal treatment
- Welding, cutting, binding equipment
- Manufacture and produce of iron-and-steel industry (blanks, flat rolled stock, pipes, metalware).
- Manufacture and produce of non-ferrous industry (semi-products, rolled stock, profiles, etc.)
- Equipment and technology for metallurgy and metalworking

Expo platforms



TRANSPORT

Exhibitors will use this platform to demonstrate the most recent products and services in the sphere of cargo transportation, transport and logistics,

PROFILE OF PARTICIPANTS

- Infrastructure Cargo transportation Railway and motor transport
- Seaports
- Logistics



AUTOMATION

Industry leaders in the sphere of automation, measurements, and control will demonstrate the most recent innovative technologies and new approaches to data administration.

PROFILE OF PARTICIPANTS

- Automation systems.
- Industrial control.
- Systems of control, monitoring and safety
- Process analytics
- Systems of identification
- PC-based automation
- Process control systems
- Industrial communications
- Software for designing and operation
- Instrument engineering
- Power sources
- Process equipment
- Industrial services



ELECTRONICS

Key players of the industry of electronics, electrical engineering, and electromechanics will demonstrate the state-of-the-art trends, technologies, and products

PROFILE OF PARTICIPANTS

- Electronics
- Electrical equipment
- Controls and instrumentation systems
- Swithing of gears and drives
- Testing and measuring instrumentation



FINANCES

Financial organizations
Banks Investors

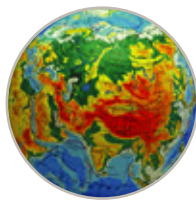
Figures:

Q-ty of participating countries **15**

Q-ty of expo participants:



over 200
companies
from Russia



over 100
companies from
other countries,
including:



Over 5000 visitors

AMONG THE PARTICIPATING COMPANIES:



STATISTICS OF VISITS

In 2018, the “Mining-2018” expo was attended by over 4500 specialists during 2 days

1/3 of all participants — companies from various countries: Kazakhstan, Uzbekistan, China, USA, Norway, Australia, Germany, Austria, etc.



In 2019, the expo forum **“Mining. Metallurgy. Generation 2019»** will be attended by **over 5000 specialists**

It is anticipated that **over 300** companies will participate, of which **35%** — representatives of international companies from China, Kazakhstan, Uzbekistan, USA, Australia, Germany, Czech Republic, Norway, India.



STATISTICS OF VISITS*

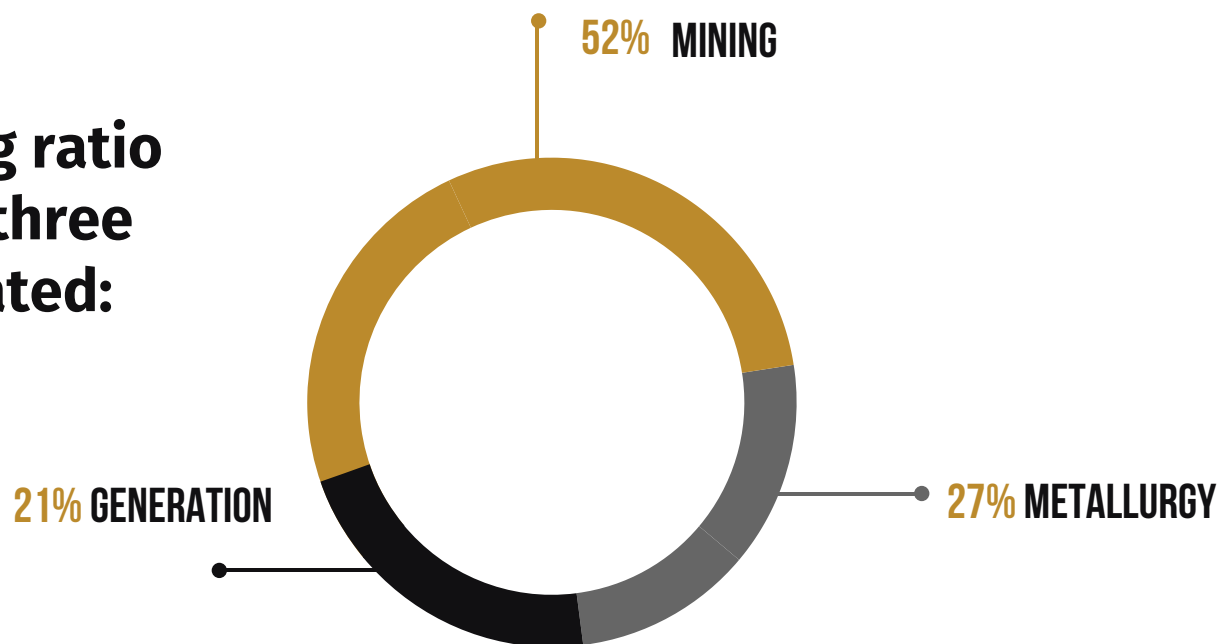
95% of all visitors are specialists from mining & extractive and metallurgical industries. Among them:

41% — administrators and top management

38% — leading technical specialists

19% — managers and middle-ranking specialists

In 2019, the following ratio of specialists of the three directions is anticipated:

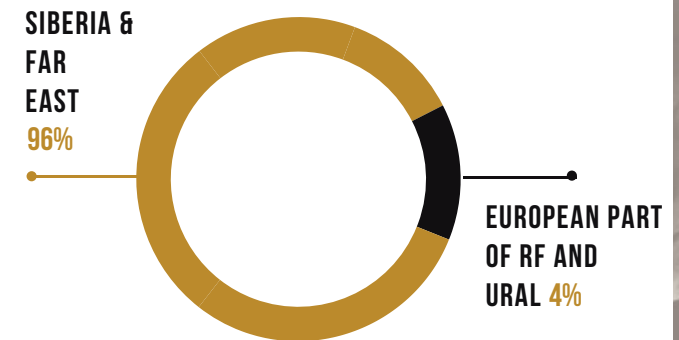


* BASED ON THE DATA OF REGISTRATION, POLLS OF PARTICIPANTS AND VISITORS. SOURCE: ORGANIZING COMMITTEE

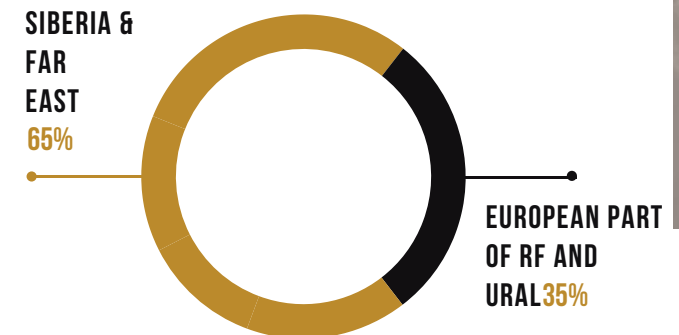
NOVOSIBIRSK IS HONESTLY THE MOST OPTIMUM VENUE IN TERMS OF LOGISTICS AND INFRASTRUCTURE:

- Siberia is a storage of commercial minerals of not only Russia but all the world: in Siberia, there are enterprises of the largest world leaders in the production of nickel, aluminum, diamonds, and gold.
- The main coal-mining enterprises of RF are located in Siberia. What determines the use of, primarily, just this most environmentally unfriendly type of fuel during generation at thermal power plants of the region.

COAL MINING IN RF

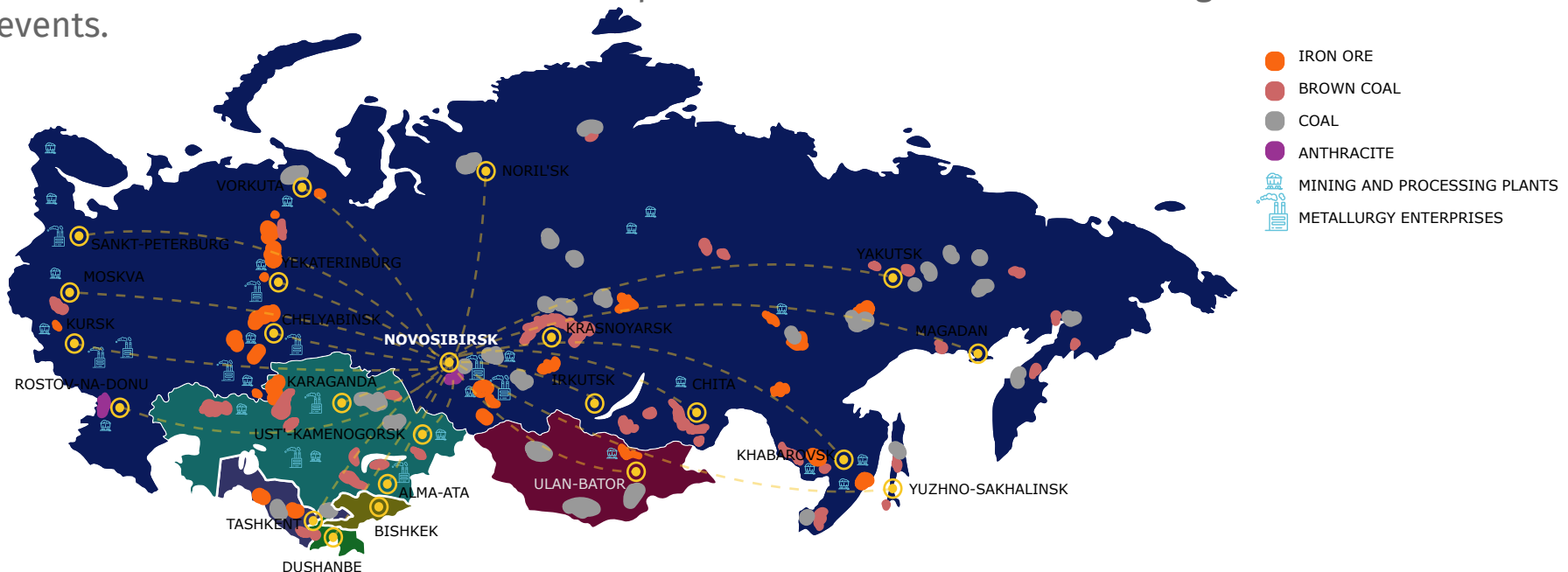


COAL CONSUMPTION STRUCTURE AT TPP



NOVOSIBIRSK - CENTER OF ATTRACTION

- Siberia border with the countries of the APR and offers tremendous advantages and prospects for transport and logistics integration with the most capacious and developing world markets of production and consumption
- Novosibirsk is the capital of Siberia, third largest in area city of Russia, a distinguished industrial, scientific and cultural center.
- Novosibirsk has direct flight connections with almost all the centers of resource-exploration regions of RF and ex-USSR, and by the number of international communications the Novosibirsk airport Tolmachovo is one of the leaders in the country.
- The IEC "Novosibirsk Expocenter" is the most modern and technically equipped exhibition area in Siberia. Novosibirsk offers a well-developed hotel infrastructure to hold large-scale international events.



ОРГКОМИТЕТ:



ЦЕНТР ЭКСПО



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