XXII Belarusian Energy and Ecology Forum
10–13.10.2017
Minsk, Belarus
QUOTATIONS OF THE FORUM

Vladimir SEMASHKO,
Deputy Prime Minister of the Republic of Belarus:

“The exhibition has expanded significantly not only in terms of its size, but also in terms of its scope over the last few years. There are new exhibition areas and application fields that are discussed at the Belarusian Energy and Ecology Congress.”

Vladimir POTUPCHIK,
Minister of Energy of the Republic of Belarus:

“The forum has been a unique platform for discussing topical issues of energy and ecology development, energy efficiency, and the best international practices for more than 20 years. This event is focused on introducing innovative technologies, strengthening mutually beneficial and long-term cooperation between Belarusian and foreign enterprises and companies, attracting investments into the country.”

Alexander SHUMILIN, Chairperson of the State Committee on Science and Technologies of the Republic of Belarus:

“Energy saving and resource saving include a wide range of issues, and this impacts various activity scopes. Unleashing energy saving potential to the maximum extent in all sectors, and, therefore, reduction of environmental footprint will be ensured by the application of innovative technologies and equipment presented at EnergyExpo.”

Ulrich SPINDLER,
IEC Vice-President:

“It is an honor for me to be at the opening of such a forum in Minsk, because this event plays a very important role. Reliable access to electricity is the core of our life.”
FACTS AND FIGURES ON FORUM 2016:

EXHIBITIONS

<table>
<thead>
<tr>
<th>300</th>
<th>Exhibiting companies</th>
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</thead>
<tbody>
<tr>
<td>26%</td>
<td>Foreign exhibitors</td>
</tr>
<tr>
<td>20%</td>
<td>New exhibitors</td>
</tr>
<tr>
<td>14</td>
<td>Participating countries</td>
</tr>
<tr>
<td>6</td>
<td>Sectoral, collective and national exhibition stands</td>
</tr>
<tr>
<td>8 500 m²</td>
<td>Exhibition area</td>
</tr>
<tr>
<td>20</td>
<td>Information partners of the exhibition</td>
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<tr>
<td>10,000+</td>
<td>Forum visitors</td>
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AGENDA

<table>
<thead>
<tr>
<th>17</th>
<th>Forums, conferences, round tables, workshop presentations</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Participating countries</td>
</tr>
</tbody>
</table>

GEOGRAPHY OF EXHIBITORS:

Belarus
Russia
Ukraine
Lithuania
Estonia
Poland
Czech Republic
Germany
Austria
Italy
Switzerland
Denmark
Sweden
USA
XXII BELARUSIAN ENERGY AND ECOLOGY FORUM


The goal of the forum is to showcase the newest achievements in science, machines and technologies in energy, energy saving, automation, electronics, oil refinery, environment protection, and renewable energy sources.

The forum draws attention of the leading Belarusian and international producers of equipment, technologies and materials, and this is one of the largest in this field in the CIS and the Baltic countries.

INTERNATIONAL SPECIALIZED EXHIBITIONS

Opening hours: October 10-12, 2017: 10:00-18:00
October 13, 2017: 10:00-14:00
Venue: The Football Arena (Pobediteley Avenue, 20/2, Minsk, Belarus)
**THEMATIC SCOPES OF THE EXHIBITIONS**

| **ENERGY** | power supply; boilers and heating equipment; metering, testing and control systems; pipeline systems; electrotechnical equipment. |
| **ECOLOGY** | air pollution protection; water and soil pollution protection; waste management; metering instruments for environment protection. |
| **ENERGY-SAVING** | non-traditional energy generation; renewable and alternative energy systems; energy recycling; energy-saving heating; heat pumps; environmentally friendly waste management; waste recycling; environment protection equipment; energy efficient equipment and technologies in economy sectors; metering devices and equipment for controlling heating energy, water and gas supply. |
| **ELECTRONICS** | semiconductor devices; electromechanical components; sensors and microcircuits; power supplies; printed circuit boards; passive components; software; units and subsystems; materials, tools for electronics industry. |
| **TECHNOLOGIES FOR PETROCHEMICAL INDUSTRY** | automated process control systems for extraction, transportation, storage and refining of oil and gas; equipment and technologies for chemical, oil, oil refining and gas industries. |
| **LIGHTING** | lamps and lighting systems; energy-saving technologies in industrial and household lighting; emergency and evacuation lighting, public address and general alarm systems; electronic components, light measuring instruments, wires and cables. |
| **ATOMIC ENERGY** | nuclear power plants (materials and equipment); start-up and adjustment works, installation equipment, control, management and diagnostics instruments; equipment and materials; NPP security; waste management, environment protection, and nuclear safety. |
| **WATER & AIR TECHNOLOGIES** | water supply, water treatment and sanitation; water purification; pumps and pumping equipment; resource-saving and environmental technologies; analytical instruments and automated control systems; air-conditioners; ventilation and fans; heaters; refrigerating and chilling equipment. |
| **EXPACITY** | housing and utilities, materials, technologies; equipment and transport; IT in urban economy. |
PLENARY DISCUSSION: “ENERGY SECURITY. CHALLENGES AND SOLUTIONS IN CONTEMPORARY ECONOMIC DEVELOPMENT CONTEXT”

OCTOBER 11, 2017

Organizer: Ministry of Energy

Objective of the debate:
To discuss the issues of ensuring energy security in the context of reforming the Belarusian energy system, taking into account the balance of economic interests of energy producers and consumers.

SUBJECT-BASED EVENTS

OCTOBER 11-13, 2017

ROUND TABLE: “STRATEGY OF DIGITAL TRANSFORMATION OF ENERGY AND PETROCHEMICAL COMPLEX OF THE REPUBLIC OF BELARUS”

Organizers: Ministry of Energy, Belneftekhim Concern, National Academy of Sciences of Belarus

Topics:
- Analysis of the current status of informatization of the energy and petrochemical complex;
- Prospects of using the Industry 4.0 technologies for the energy and petrochemical complex;
- Prospects of introduction of smart grid technologies;
- Modern methods to monitor the status of pipelines and grids (drones, smart sensors);
- Mass deployment of modern simulators;
- Topical issues of staff training and re-education;
- Artificial intelligence;
- Advanced materials;
- Distributed generation;
- Robotics;
- Smart machines;
- Cloud computing.
ROUND TABLE: “NUCLEAR ENERGY DEVELOPMENT PROSPECTS: ASPECTS OF SECURITY, ECOLOGY, ECONOMICS AND SUSTAINABLE DEVELOPMENT”

Organizers: Ministry of Energy, Ministry of Natural Resources and Environmental Protection, Ministry of Emergencies

Topics:
• Nuclear power safety;
• Environment protection organizations and nuclear energy;
• Dynamics of the public opinion on the development of nuclear energy in the Republic of Belarus;
• Information provisions to nuclear energy development in the Republic of Belarus;
• Public awareness on environmental safety in construction and operation of nuclear power plants.

CONFERENCE: “DEVELOPMENT OF GREEN ECONOMY IN THE REPUBLIC OF BELARUS”

Organizers: Ministry of Natural Resources and Environmental Protection, Ministry of Energy, Energy Efficiency Department at the State Committee for Standardization, Ministry of Transport and Communications, Ministry of Agriculture and Food

Topics:
• Development of electric transport (infrastructure) and urban mobility, implementation of the smart city concept;
• Development of the construction of energy-efficient housing and energy efficiency improvements of the residential stock;
• Reduction of energy intensity of the gross domestic product, increasing energy efficiency, including through the introduction of energy-efficient technologies and materials;
• Capacity building of renewable energy sources;
• Public electric transport developments;
• Arranging conditions for producing organic food;
• Sustainable consumption and production;
• Eco-tourism development.
CONFERENCE: “INNOVATIVE AND ENERGY EFFICIENT SOLUTIONS IN RESIDENTIAL SECTOR”

Organizers: Ministry of Architecture and Construction, Ministry of Housing and Utilities, Energy Efficiency Department at the State Committee for Standardization, Ministry of Natural Resources and Environmental Protection, Minsk City Executive Committee

Topics:

• Energy saving, energy supply and environment protection in building and construction, and housing and utilities sector;
• Urban ecology: improving the solid waste management infrastructure;
• Construction of waste treatment plants and waste sorting stations;
• Production of RDF fuel from mixed solid municipal waste;
• Automatic process control systems in housing and utilities (multi-function metering and control equipment, resource metering and consumption control systems, automatic lighting control systems);
• The Smart Home technologies: introduction of automation and monitoring systems (motion, temperature and humidity sensors, security systems, etc.);
• Energy-efficient buildings;
• Exchanging international and national practices of energy saving and energy efficiency in building and construction, energy efficiency technologies, and renewable energy sources in building and construction, and operation of buildings.