

APRIL 24-26, 2024



RUSSIAN
INTERNATIONAL

RIEF

ENERGY
FORUM

Convention program



24 APRIL, WEDNESDAY

TIME	EVENT
09:00-18:00	REGISTRATION OF CONVENTION PROGRAM PARTICIPANTS AT RUSSIAN INTERNATIONAL ENERGY FORUM
09:15-11:00 CONFERENCE HALL F5, PAVILION F	WELCOME COFFEE BREAK
11:30-13:00 CONFERENCE HALL F2, PAVILION F	PLENARY SESSION OF THE 12TH RUSSIAN INTERNATIONAL ENERGY FORUM RUSSIAN ENERGY INDUSTRY DEVELOPMENT IN MODERN CONDITIONS. NEW INTERNAL AND EXTERNAL CHALLENGES
ONLINE BROADCAST	<p>ORGANISER:</p> <ul style="list-style-type: none">ExpoForum International <p>DISCUSSION</p> <p>The last two years became both a serious challenge for our economy but also some kind of a pH paper to reveal if it is adaptive and if it can follow the new trends. Has the electric energy sector passed the test? The experts will discuss this question at the Plenary Session during the Russian International Energy Forum.</p> <p>ISSUES TO BE DISCUSSED:</p> <ul style="list-style-type: none">Is the industry ready for growing electric energy demand? Regional shortages and ways of dealing with them. Generation situation, including own generation facilities of industrial companies.Tariffs problem. Cross-subsidies - is there a chance to solve this persistent problem?Investment condition of the industry. Equipment and grids deterioration rates.Import substitution in the sector. Living in the era of parallel import. Russian turbines and software.New approaches to electric energy control. Why do we need the strategic electrogrid company concept? Prospects of electric energy demand management. <p>MODERATOR:</p> <ul style="list-style-type: none">Konstantin Simonov, CEO, National Energy Security Fund <p>SPEAKERS:</p> <ul style="list-style-type: none">Alexey Eresko, Deputy Minister of Construction Industry, Housing and Utilities Sector of the Russian FederationBoris Gladkikh, Deputy of the State Duma, Federal Assembly of the Russian Federation; member of the State Duma Committee on EnergyIgor Kuzmin, CEO, Rosseti Lenenergo;Ruslan Pakhomov, Deputy General Director - Head of Thermal Power Division, Power Machines;Vladimir Tupikin, Head of Energy and Resources at SIBUR Holding, member of Supervisory Board at Association NP Market Council, member of the Government Committee for Electric Energy Development;Alexey Zhikharev, Director, Renewable Energy Development Association, CEO at ENSOLVE
11:00-18:00 PAVILION F	BUSINESS MATCHMAKING CENTRE: B2B MEETINGS FOR CUSTOMERS AND SUPPLIERS OF THE POWER SECTOR
	<p>ORGANISER:</p> <ul style="list-style-type: none">ExpoForum International



13:00-14:00
CONFERENCE
HALL F5,
PAVILION F

LUNCH

14:00-16:00
CONFERENCE
HALL F200,
LEVEL 2

ROUND TABLE DISCUSSION NEW TOOLS IN ELECTRIC ENERGY RETAIL MARKET AND NEW CONSUMER ROLES

ORGANISERS:

- Association of Guaranteed Suppliers and Energy Service Companies;
- ExpoForum International

DISCUSSION:

During this round table discussion, we will talk about some conceptually new tools that have emerged and are associated with production and consumption of electric energy (power). In particular, we will focus on circulation of electric energy generation attributes and its origin certificates, services aimed to manage changes in use conditions, and charging of e-transport vehicles.

ISSUES TO BE DISCUSSED:

- Starting of the electric energy origin verification national system. First effects and work plans of the Russian Energy Certification Centre.
- Switching to the destination model of electric energy demand management. Is the demand management aggregators market ready?
- Developing e-vehicle charging network, including in apartment houses. Challenges and solutions.

MODERATOR:

- **Natalia Nevmerzhitskaya**, Chairperson of the Board, Association of Guaranteed Suppliers and Energy Service Companies

SPEAKERS:

- **Oleg Barkin**, member of the Board, Association NP Market Council, CEO at Energy Certification Centre
- **Mikhail Andronov**, CEO, RUSENERGOSBYT
Report: Demand management system: development prospects in retail markets
- **Alexey Tikhonov**, founder and CEO of Hyper
- **Alexander Korotenko**, Head of Electric and Heat Energy Development Department, Russian Energy Agency
- Representative of EnergoSbyt Plus

14:00-16:00
CONFERENCE
HALL F4,
PAVILION F

SESSION DISTRIBUTED GENERATION FOR SECLUDED AND HARD-TO-REACH LANDS. ENERGY SECURITY OF FAR NORTH

ORGANISERS:

- National Agency for Energy Saving and Renewable Energy;
- ExpoForum International

DISCUSSION:

Development of distributed generation in remote and secluded regions is one of Russia's strategic tasks in the energy industry. This area of concern is included into all the industrial and macroregional documents as regards to strategic planning, including Energy Security Doctrine of Russia by 2035, strategies of social and economical development for the Far Eastern Federal Region and the Arctic Zone of the Russian Federation.

ISSUES TO BE DISCUSSED:

- Current situation with distributed generation and its development prospects in remote and secluded territories of the Russian Federation.
- Energy security management and assurance in the Far Eastern Regions.



- State support of private investments: current provisions and the ones under development intended to attract businesses to distributed energy generation of remote territories.
- Implementation of local energy investment projects: experience of collaborations between businesses, state agencies, and resource suppliers.
- Heading to sustainable development, RES, decarbonization, digitalization, and eco requirements: risks and opportunities.

MODERATOR:

- **Maxim Gubanov**, Head of Energy and Municipal Housing Complex Department, Far East and Arctic Development Corporation;
- **Ekaterina Zholudeva**, Deputy Chairwoman of the Board, National Agency for Energy Saving and Renewable Energy;

SPEAKERS:

- **Andrey Maximov**, Director of Electrical Energy Development Department, Ministry of Energy of the Russian Federation;
- **Violetta Kiushkina**, Head of Energy Security and Infrastructure Department at Russian Energy Agency Federal State Budgetary Institution, Ministry of Energy of Russia;
- **Karin Kneissl**, Director of G.O.R.K.I. Centre, Expert Analyst in energy;
- **Nikolay Safronov**, Chairman of the Board, National Agency for Energy Saving and Renewable Energy (NAERE);
- **Rashid Arktikov**, member of the Scientific Expert Board for the Task Group of the Energy Law Compliance Federation Council affiliated with the Federal Assembly of the Russian Federation; Deputy Head of the Energy Complex Companies Guild affiliated with the Chamber of Industry and Trade of Moscow;
- **Alexey Zhikharev**, Director, Renewable Energy Development Association, CEO at ENSOLVE;
- **Mikhail Smirnov**, President of EnergInnovatsiya Association;
- **Ilya Belavintsev**, CEO, Association for Development of Electric Energy Accumulation Systems Technologies;
- **Dmitry Kiryakov**, Senior Manager for Business Development, Aggreko Eurasia
Report: Energy solutions for industrial enterprises: choosing the optimal solution
- **Evgeny Solomein**, CCO, ENGEN
Report: Developing distributed energy in remote lands. Experience of project development for the energy center based on the gas reciprocating electricity production station capable of 125 MW located in a remote site - through the example of Malmyzh Project, the Khabarovsk Region;
- **Vladimir Shchaulov**, CEO, B & B Industries;
- **Mark Smyzhenkov**, Head of Sales, Systemtechnik
Report: Key technologies and experience of their use in distributed generation facilities and secluded hard-to-reach sites: energy accumulation systems, automated control systems, and automated hybrid energy complexes based on AI, enhancement of reliability and the economic effect on their account;
- **Sergey Yakovlev**, Deputy Telecom Business Director, TransTeleCom Company
Report: Resolution of communication and information security issues at remote infrastructure facilities;
- **Dmitry Skvortsov**, Deputy CEO for Business Development, PLC Technology
Report: Information security and operation reliability enhancement issues as regards to power facilities in the Far North

14:00-16:00
CONFERENCE
HALL F1,
PAVILION F

ROUND TABLE DISCUSSION MAKING HEAT SUPPLY SYSTEMS MORE RELIABLE AND SAFE

ORGANISERS:

- Russian Gas Society, Union of Oil & Gas Producers of Russia;
- ExpoForum International

Powered by the Union of Electric Energy Producers and Strategic Investors for Electric Power Industry.



DISCUSSION:

Reliable operation of the heat supply system is essential to ensure good quality life for the citizens. Elimination of emergency risks during the heating season is an important task for relevant organizations and really should be part of the state policy. For this, timely and well-coordinated preparation of the heat supply companies, heat grid companies, and heat consumers for the heating season.

Today, the municipal-housing and heat-energy sectors face difficulties associated with the consumers being unsatisfied with the quality of the services they get. What's more, the industry is still using the standard-based charging method, as heat energy metering units are not used widely enough. Besides, the heat supplying system infrastructure and the heat receiving equipment at the consumer end lack investment.

According to the data provided by the Russian Federal Statistics Service, over 30% of heat networks have to be replaced, which is about 50 thousand kilometers of pipes. The main reason behind such a high percent of grids in unsatisfactory condition is ineffective budget allocation in regions and municipalities.

The participants of this event will talk about the urgent issues and possible ways of solving the problems associated with outages in reliable heat supply to consumers.

ISSUES TO BE DISCUSSED:

- Establishment of united centers to make sure that municipalities, resource suppliers, and management companies are ready for the autumn and winter season.
- Update of operation standards as regards to head supplying facilities and heat consuming equipment.
- Tools used to attract investment to reconstruction and development projects in the heat and energy sector.
- Effectiveness and balance enhancement as regards to the state support arrangements associated with upgrade of the sector.
- Import substitution of equipment for technical upgrade of heat supplying systems.

MODERATOR:

- **Lidia Smolina**, expert of Russian Gas Society, member of Municipal and Housing Complex Council

SPEAKERS:

- **Alexey Eresko**, Deputy Minister of Construction Industry, Housing and Utilities Sector of the Russian Federation;
- **Elena Semenova**, Minister of Municipal Housing Complex of the Vladimir Region;
- **Alexander Demin**, State Secretary - Deputy Head of Federal Service for Environmental, Technological and Nuclear Supervision
- **Vitaly Korolev**, Deputy Head of Federal Anti-Monopoly Service;
- **Nikolay Isakov**, Vice President, Executive Director of Russian Gas Society, Union of Oil & Gas Producers of Russia;
- **Boris Gladkikh**, Deputy of the State Duma, Federal Assembly of the Russian Federation; member of the State Duma Committee on Energy;
- **Ivan Boltenkov**, CEO, Fuel and Energy Complex of St. Petersburg;
- **Ivan Tregubov**, Director, Energy Saving Centre, St. Petersburg State-Financed Institution;
- **Dmitry Belyayev**, Deputy Director in the Economics and Finances Affiliate, Kirov Affiliate of T Plus

INVITED TO ATTEND:

- **Pavel Kachkaev**, First Deputy Chairman of State Duma Committee on Construction, Housing and Communal Services;
- **Natalya Nazarova**, Deputy Chairwoman of the State Duma Committee on Energy;
- **Arkady Kharaim**, Deputy Head of Prospective Development and Heat Business Office, Gazprom Energoholding;
- **Alexander Vilesov**, CEO, T Plus



16:00-18:00
CONFERENCE
HALL F200,
LEVEL 2

**ONLINE
BROADCAST**

PRESENTING THE GLOBAL AND RUSSIAN ENERGY INDUSTRY DEVELOPMENT FORECAST BY 2050

ORGANISERS:

- Energy Research Institute of the Russian Academy of Sciences (ERI RAS);
- ExpoForum International

DISCUSSION:

- Long-term prospects of development in the global economy and energy industries.
- Transformation of energy markets.
- Technological landscape of the global energy industry.
- Modification of the interfuel competition conditions in the electric energy industry and the final consumption sectors.
- Opportunities and restrictions of the energy transition.
- Russia's role in the global markets and export potential.

WELCOME SPEECH:

- **Alexey Makarov**, Academician at Russian Academy of Sciences, Scientific Director, ERI RAS

SPEAKERS:

- **Vyacheslav Kulagin**, Head of Global and Russian Energy Complex Research Department, ERI RAS;
- **Dmitry Grushevenko**, Senior Research Officer, ERI RAS;
- **Anna Galkina**, Senior Research Officer, ERI RAS;
- **Leonid Grigoriev**, Professor, Research Director, Global Economy Department, National Research University Higher School of Economics

16:00-18:00
CONFERENCE
HALL F4,
PAVILION F

SESSION

ENERGY ECOLOGY IN THE NEW REALITY: CLIMATE, WASTE, AND NON-FINANCIAL REPORTS

ORGANISERS:

- National Agency for Energy Saving and Renewable Energy;
- National Association of Raw Materials Recycling Promotion;
- ExpoForum International

DISCUSSION:

At the moment, one of the key development trends in economy of Russia in general and its regions is greening of the industry, which includes formation of the industrial waste treatment sector.

Use of industrial waste in the national economy results in cross-sector effects and is one of the areas of concern that the Russian Federation focuses on to contribute to development of the circular economy and the climate action programs.

ISSUES TO BE DISCUSSED:

- Greening of the Russian energy industry for the purpose of Russia's low carbon development.
- ESG reporting as a driver of corporate eco responsibility.
- Technological specifics of using bottom ash and other wastes generated by heat and electricity stations in different economic sectors.
- Investment attractiveness of the projects that use recovered materials.
- Development of new markets for recycled resources procession and consumption. Waste-to-energy.

MODERATORS:

- **Irina Zolotova**, CEO, National Association of Raw Materials Recycling Promotion;
- **Ekaterina Zholudeva**, Deputy Chairwoman of the Board, National Agency for Energy Saving and Renewable Energy



SPEAKERS:

- **Dmitry Tetenkin**, Deputy Minister of Natural Resources and Ecology of the Russian Federation;
- **Andrey Maximov**, Director of Electrical Energy Development Department, Ministry of Energy of the Russian Federation;
- **Irina Petrunina**, Director of Competence, Energy Efficiency, and Ecology Department, Ministry of Economic Development of Russia;
- **Denis Butsaev**, CEO, Russian Environmental Operator;
- **Alexandra Panina**, member of the Board, Inter RAO;
- **Vladimir Balabanov**, CEO, Sterlitamak Petrochemical Plant / Sintez-Kauchuk;
- **Alexey Predkov**, Senior Manager of GR Line of Business, Sibur;
- **Peter Sankov**, Director of Bottom Ash Materials Sales, Siberian Generating Company;
Report: Using bottom ash in commerce: experience of generation companies;
- **Olga Golovikhina**, Director of Sustainable Development in Rusatom Infrastructure Solutions - a division of Rosatom State Corporation;
- **Vladimir Tuchkov**, Professor at Military Institute in Engineering affiliated with Technical Military Academy named after General of the Army A.V. Khrulev, honored inventor of the Russian Federation;
- **Viktor Kirilenko**, Senior Lecturer, Military Institute in Engineering affiliated with Technical Military Academy named after General of the Army A.V. Khrulev;
- **Nikita Osokin**, CEO, Cycle-On Centre of Digital Solutions;
- **Igor Shelukhin**, Director for Operations Efficiency and Project Enhancement, Unipro;
- **Evgeny Miskevich**, Head of ESG Expert Group, Digital Energy Association;
- **Marina Zhukovskaya**, Manager of Projects associated with management accounting, dedicated, and industrial solutions. Functional architect of data systems based on solutions by 1C, BC Data Systems
Report: Control efficiency enhancement as regards to labor protection and industrial safety parameters in energy companies

16:00-18:00
CONFERENCE
HALL F1,
PAVILION F

STRATEGIC SESSION

DIFFERENTIATED TARIFFS IN THE ELECTRIC ENERGY INDUSTRY: RISKS AND OPPORTUNITIES

ORGANIZERS:

- Energy Consumers Association;
- ExpoForum International

DISCUSSION:

At least for last 20 years, the citizens in most of the Russian regions have been undercharged for the electric energy they use, whereas industrial consumers have to pay extra to energy producers and providers for the latter to keep the municipal tariffs low through the cross-subsidies mechanism.

The very idea of letting the citizens pay for electric energy at a special price is natural for any socially focused government. On the other hand, without proper control regulations on the part of the regional agencies and regulation bodies, those who were not entitled to use this privilege somehow managed to start using it. As a result, disreputable business people, who had connected to the mains illegally and who are consuming electricity on a commercial scale, as well as extensive households that can be classified as luxurious pay for what they use at a special price intended for the citizens. Differently speaking, they are making the state budget and the industrialists to share their expenses and pay for them. Thus, minor businesses like locksmiths', metal and wood workshops arranged in old barns, bath houses, illegal mining farms, villas with heated swimming pools, alleys, and parking lots have the industry or the state pay for the electricity they consume.

The participants of the event will talk about one of the most pressing matters of the electric energy industry, which is efficiency of cross-subsidies.



- How cross-subsidies hamper economic development of Russia
- Who actually pays for illegal mining, shady business people, and heated swimming pools
- How pseudo-privilegees are a threat for wallets of common consumers
- Regions where differentiated tariffs have been introduced just to check the box.
- What can really help to break the tether of cross-subsidies?

During the event, the talkers will try to answer these and other questions. Experts from Energy Consumers Association will present a review on the tariff campaign results in the Russian regions and talk about effective mechanisms that can be used to reduce the cross-subsidies amount and yet retain special prices for those who really need them.

Top officials of the industry and regulation bodies, as well as major industrial enterprises that use electricity are invited to take part in the discussion along with financial analysts and industrial experts.

MODERATOR:

- **Valery Presnyakov**, Editor-in-Chief, Power and Industry of Russia Newspaper

SPEAKERS:

- **Mikhail Andronov**, CEO, RUSENERGOSBYT;
- **Dmitry Vasiliev**, Head of the Department for Regulation over Electric Power Industry, Russian Federal Antimonopoly Service;
- **Valery Dzyubenko**, Director, Energy Consumers Association
Report: Cross-subsidies reduction arrangements;
- **Oleg Efremenkov**, Head of Support for Markets with Regulated Price Formation, NP Market Council Association;
- **Alexey Malukhin**, Chairman of the Committee on Tariffs of St. Petersburg;
- **Natalia Nevmerzhitskaya**, Chairperson of the Management Board, Association of Guaranteed Suppliers and Energy Service Companies;
- **Oleg Ogienko**, Government Relations Director, Bitriver Rus;
- **Sergey Sasim**, Director, Center Electric Power Industry Research Center, Institute of Economics and Regulation of Infrastructure Sectors, Higher School of Economics;
- **Vladimir Tupikin**, Head of Energy and Resources at SIBUR Holding, member of Supervisory Board at Association NP Market Council, member of the Government Committee for Electric Energy Development



25 APRIL, THURSDAY

TIME	EVENT
09:00-18:00	REGISTRATION OF CONVENTION PROGRAM PARTICIPANTS AT RUSSIAN INTERNATIONAL ENERGY FORUM
09:15-11:00 CONFERENCE HALL F5, PAVILION F	WELCOME COFFEE BREAK
10:00-13:00 CONFERENCE HALL OF PRESS CENTRE, LEVEL 2	<p>SESSION USING DIGITAL SOLUTIONS FOR RES</p> <p>ORGANIZERS:</p> <ul style="list-style-type: none"> Digital Energy Association; ExpoForum International <p>DISCUSSION:</p> <p>Rampant development as regards to renewable sources of electric power, as well as increase of their share in the energy balance of countries results in new challenges that the power systems have to deal with. Traditional power systems aren't intended for integration of major generation shares with variable generation. Thanks to digital technologies, operation of RES facilities can be enhanced and contribute to higher efficiency and reliability of power systems.</p> <p>One more area of focus when it comes to digital solutions for RES is management of configuration and operation modes for local smart grids, or microgrids. As a rule, a microgrid is about generation based on renewable energy sources, storage systems, and the electricity grids. Operation modes of such systems are automatically balanced by means of controllers and integrated software plus Machine Learning technologies. What's more, digital technologies associated with RES are used to replace schedules and prevention repairs with predicative equipment maintenance. Analytical systems use their integrated algorithms to compare the actual technical condition of equipment with the reference model and check if there are any discrepancies. In case the discrepancies are discovered, it is a sign that something is wrong with the equipment.</p> <p>These and other topics related to use of digital solutions for RES will be discussed by participants of the session. Besides, they will share their experience of such systems introduction and operation.</p> <p>Top officials of the industry and regulation bodies, as well as major industrial enterprises that use electricity are invited to take part in the discussion along with industrial experts.</p> <p>MODERATOR:</p> <ul style="list-style-type: none"> Alexey Zhikharev, Director, Renewable Energy Development Association, CEO at ENSOLVE <p>SPEAKERS:</p> <ul style="list-style-type: none"> Oleg Barkin, member of the Board, Association NP Market Council, CEO at Energy Certification Centre Report: Digital certification system to verify origin of electric energy produced with renewable and low-carbon sources; Ekaterina Baibakova, Project Manager, Group for evaluation and implementation of new BOO projects, Rusatom Energo International, representative of Digital Energy Association; Natalya Mayer, CEO, Atom Power Industry Trade Report: Digital management of energy accumulation systems; Sergey Soldatov, Director of the Wind Power Plants Commercial Dispatching Centre, Atom Power Industry Trade Report: Using AI-based technologies to predict electricity output by wind power plants;



- **Alexander Dmitriev**, CEO, SOLTECH
Report: AI-based diagnostic testing of generating equipment at solar electric stations;
- **Bogdan Shatunov**, CEO, NBI
Report: EMAS.Forecast - RES output prediction model;
- **Evgeny Ganshin**, Business Development Director, Yandex.Weather
Report: ML solutions for RES by Yandex.Weather

10:00-13:00
CONFERENCE
HALL G20-G21,
LEVEL 2

ROUND TABLE DISCUSSION

INHOUSE GENERATION VS CENTRALIZED ELECTRICITY SUPPLY: RATIONAL SOLUTIONS TO ENSURE ENERGY INTENSIVE PRODUCTION SITES, CAPITAL FACILITIES, AND REMOTE TERRITORIES

ORGANISERS:

- Power and Industry of Russia Newspaper;
- ExpoForum International

DISCUSSION:

The ongoing growth of industrial production levels implies power improvement and brings into question expedience of using centralized electric power supply alone - especially with regard to development of remote lands. Because of this, businesses and regions are considering building their own generation means or uprating the ones they already have, As for distant regions, enterprises, and mine fields, they are thinking of using RES and alternative fuels (the ones most common and available in the operations areas).

ISSUES TO BE DISCUSSED:

- Inhouse generation of a factory: legal aspects of businesses in the sphere of electricity and heat power production.
- How to assess the payback period and the potential of the project?
- How to start inhouse generation of a factory: from the project to implementation.
- Creating inhouse generation at a plant on a turn-key basis: engineering and comprehensive support.
- Technological solutions for corporate energy centres.
- Gas reciprocating unit based inhouse electricity generation.
- Co-generation and electricity and heat supply systems support for municipal and housing facilities.

MODERATOR:

- **Valery Presnyakov**, Editor-in-Chief, Power and Industry of Russia Newspaper

SPEAKER:

- **Valery Dzubenko**, Director, Energy Consumers Association
- **Elena Pronina**, Deputy Chairwoman of OPORA RUSSIA Electric Energy Committee dealing with legal matters, Director of the Centre of Legal Support in Energy
Report: Transformation of the technological connection procedure. Legal aspects associated with risks undertaken by businesses when connecting to electric grids
- **Maxim Gubanov**, Head of Energy and Municipal Housing Complex Department, Far East and Arctic Development Corporation;
- **Anvar Ramazanov**, Deputy CEO for Strategic Development, GT Energo
Report: Energy independence and Russian innovations in distributed generation;
- **Anatoly Shapkin**, Holder of the Master's Degree, Senior Research Officer in the Gas Steam Plants, Turbine Plants Department, VTI
Report: 20/25 MW fully variable gas steam plant for electricity and heat supply to distributed generation facilities;
- **Dmitry Mchedlidze**, CCO, ITERANET;
- **Sergey Sharov**, CCO, Proektelectrotechnika;
- **Alexey Zhavoronkov**, Director of the Affiliate, PSM Plant;
- **Vladimir Vorozheykin**, CEO, Titan Power Solution;
- **Andrey Pugachev**, Deputy CEO, Energan



10:00–13:00
CONFERENCE
HALL F1,
PAVILION F

ROUND TABLE DISCUSSION

SAFE AND EFFECTIVE ELECTRICITY METERING. SHARING EXPERIENCE IN INTRODUCTION AND OPERATION OF SMART ELECTRICITY METERING SYSTEMS

ORGANISERS:

- INSIST ENERGO Association;
- ExpoForum International

PROGRAM OF THE ROUND TABLE DISCUSSION:

WELCOME SPEECH:

- **Andrey Chernyshev**, Senator at the Federation Council, member of Social Policy Committee of the Federation Council

MODERATOR:

- **Denis Koval**, Chief Designer, MIR R&D Company

10:10–11:00

1. **Updating of the basic model of data security threats in smart systems used to meter electric energy (power).**

Results of data cryptographic protection means testing in data acquisition and transmission devices. Current status and deadlines for completion of data cryptographic protection means testing in payment devices used in the two-tier metering system.

Prospects of reviewing the basic model of data security threats in smart systems used to meter electric energy (power).

Speaking: Korotenko A. V., Sorokina M. V., Zaretsky D. V.

11:00–11:20

Discussion:

- **Alexander Korotenko**, Head of Electric and Heat Energy Development Department, Russian Energy Agency, Ministry of Energy of Russia;
- **Alexey Petrov**, Computer Security Incident Response Team (CSIRT);
- **Semyon Marder**, Deputy Director of Radioelectronic Industry Department, Ministry of Industry and Trade of the Russian Federation (to be approved);
- **Denis Koval**, Chief Designer, MIR R&D Company;
- **Dmitry Zaretsky**, Head of Smart House / Smart City / Municipal Housing Complex Competence Center;
- **Marina Sorokina**, Head of Product Line, InfoTeCS;
- **Alexander Pronsky**, Product Director, MIRTEK;
- **Yuri Rudenok**, Deputy CEO, Inkotex-SK;
- **Dmitry Rezepin**, Product Director, Milur IS;
- **Sergey Zaporozhsky**, Senior Tool and Accounting System Manager, Energomera Electrotechnical Factories;
- **Valery Ivanov**, First Deputy CEO at Prompribor Factory, Systems and Technologies Group of Companies;
- **Nikolay Shkrablyak**, CEO, Matritsa NP

11:20–11:30

2. **Compliance verification for metering devices as regards to the minimal functionality permitted: voluntary certification system.**

Verifying compliance of electricity metering units with requirements fixed in Decree No. 890 of the RF Government dated June 19, 2020. Voluntary certification system.

Speaking: INSIST ENERGO Association, independent law expert.



11:30-12:00

3. Results, issues in focus, and new solutions as regards to operation of smart systems for electricity metering. Up-to-date proposals and changes in the law about smart electricity metering. Enhancement proposals.

Issues that come up during introduction and operation of smart systems for electricity metering.

Draft enactments in the sphere of energy resources metering arrangements, connection deadlines as regards to smart systems for electricity metering, and fines in case the minimal permitted function set of such systems is not provided.

Speaking: Korotenko A. V., Dudkin S. A. (to be approved), A. B. Rudeva.

12:00-13:00

Discussion:

- **Alexander Korotenko**, Head of Electric and Heat Energy Development Department, Russian Energy Agency, Ministry of Energy of Russia (to be approved);
- **Denis Koval**, Chief Designer, MIR R&D Company
- **Alexander Pronsky**, Product Director, MIRTEK;
- **Yuri Rudenok**, Deputy CEO, Inkotex-SK;
- **Anastasia Rudeva**, Head of Retail Markets Support, Association of Guarantee Suppliers and Energy Sales Companies;
- Representatives of Association for Transmission & Distribution Systems Operators;
- **Sergey Zaporozhsky**, Senior Tool and Accounting System Manager, Energomera Electrotechnical Factories;
- **Nikolay Shkrablyak**, CEO, Matritsa NP;
- Grid companies;
- Guarantee suppliers

10:00-15:00
CONFERENCE
HALL F2,
PAVILION F

**CONFERENCE
OF THE YOUTH INNOVATION CENTRE, ROSSETI LENENERGO**

ORGANIZER:

- Rosseti Lenenergo

10:00-17:00
CONFERENCE
HALL F200,
LEVEL 2

**ROUND TABLE DISCUSSION
SUSTAINABLE DEVELOPMENT OF THE RUSSIAN ENERGY INDUSTRY: RELIABILITY,
EFFICIENCY, SECURITY, NEW TECHNOLOGIES, MODERNIZATION, ECOLOGY,
DISTRIBUTED GENERATION, AND STAFF TRAINING**

ORGANIZER:

- Scientific and Technical Council of Unified Energy System

10:00-13:00 Round table discussion. Part I

13:00-14:00 Lunch

14:00-17:00 Round table discussion. Part II

DISCUSSION:

Sustainable development of the Russian electric energy sector requires energy security of the country, import substitution, and distributed generation development. The participants will talk about import substitution, digitalization of the sector, nuclear energy development, distributed generation, and HR training.

MODERATOR:

- **Nikolay Rogalev**, D. Sc. in Engineering, President of Scientific and Technical Council of Unified Energy System; Rector, Moscow Power Engineering Institute (National Research University)



SPEAKERS:

- **Viktor Molodyuk**, First Deputy Chairman of the Scientific and Technical Council of Unified Energy System;
- **Georgy Kutovoy**, Professor, Advisor to Mechel Group of Companies;
- **Chen Xupeng**, Representative, Global Energy Interconnection Development and Cooperation Organization for Russia and Central Asian Countries (GEIDCO);
- **Andrey Kashirsky**, Head of Analytics, Proryv;
- **Sergey Novikov**, Head of Innovative Development Directorate, Rosseti;
- **Yuri Kalabin**, Head of Strategic Development Department, Rosseti;
- **Sergey Machekhin**, Deputy CEO for Project Engineering, Sustainable Development, and International Activities, RusHydro;
- **Vladimir Mikhailov**, D. Sc. in Engineering, CEO, NPO CKTI;
- **Sergey Saenko**, Head of Digital Transformation Department, Rosseti Centre;
- **Alexander Khrennikov**, D. Sc. in Engineering, Professor, Department of the Scientific and Technical Council and National Technological Initiative, FGC UES Research and Development Centre, Rosseti, Chairman of the Section at the Scientific and Technical Council of Unified Energy System;
- **Alexander Pokatilov**, Ph. D. in Engineering, Senior Metrologist - Head of Metrology Service affiliated with Automated Control Directorate of Mosenergo, Chairman of Automated Electric Energy Control and Electricity Consumption Management Section, Scientific and Technical Council of Unified Energy System;
- **Pavel Ilyushin**, D. Sc. in Engineering, Head of Smart Electric Power Systems and Distributed Energy Centre, Energy Research Institute affiliated with RAS;
- **Evgeny Adamov**, D. Sc. in Engineering, Professor, Scientific Director, Dollezhal Research and Development Institute of Power Engineering;
- **Mikhail Tyagunov**, D. Sc. of Engineering, Professor at Moscow Power Engineering Institute (National Research University), Chairman of the Small-scale and Non-Conventional Energy Section of the Scientific and Technical Council of Unified Energy System;
- **Alexey Dudolin**, Ph. D. in Engineering, Head of Heat Electric Stations Department, Moscow Power Engineering Institute (National Research University); Chairman of Heat Energy Development and Technical Reequipment section, Scientific and Technical Council of Unified Energy System;
- **Eugeny Bellendir**, D. Sc. in Engineering, CEO at HydroProject Institute, Chairman of Hydropower Stations and Hydrotechnical Facilities Section, Scientific and Technical Council of Unified Energy System;
- **Mikhail Saparov**, Ph. D. in Engineering, Senior Researcher at Power Engineering Institute; Chairman of the Energy Efficiency and Ecology in Electric Energy Sector Section at Scientific and Technical Council of Unified Energy System;
- **Evgenia Sukhareva**, D. Sc. in Economics, Professor at Moscow Power Institute (National Research University), Deputy Chairman of Economics, Management, and Staff Training in the Energy Sector Section, Scientific and Technical Council of Unified Energy System;
- **Vladimir Tyutikov**, Professor, Deputy Rector at Ivanovo Power Engineering Institute;
- **Pavel Litvinov**, CIGRE Expert;
- **Pavel Samylov**, First Deputy CEO - Senior Engineer, Rosseti Lenenergo;
- **Alexander Popugaev**, Deputy Head of Automated Technological Management Systems Service, Rosseti Lenenergo;
- **Andrey Mamontov**, Deputy Senior Engineer for Technological Development and Innovations, Rosseti Lenenergo;
- **Sergey Shuvalov**, Head of Technological Development and Innovations Department, Rosseti Lenenergo



11:00–15:00
OPEN
CONFERENCE
HALL 1,
PAVILION F

BUSINESS GAME THE BEST FACTORY

ORGANIZERS:

- St. Petersburg Regional Centre of Labor Efficiency Competences;
- ExpoForum International

MODERATORS:

- **Alexander Khlebnikov**, Coach, Project Manager at St. Petersburg Regional Centre of Labor Efficiency Competences;
- **Kirill Turanov**, Coach, Project Manager at St. Petersburg Regional Centre of Labor Efficiency Competences

DESCRIPTION:

During the BEST FACTORY business game, the participants will have all the assortment of efficiency improvement tools at their fingertips. The experts of the St. Petersburg Regional Centre of Labor Efficiency Competences will inspire the players to try out different strategies and tools practically and offer them some dynamic networking.

20 participants will be divided into 2 teams and have to try and find the most effective strategies for their companies' development and acquiring the most stable and high profit at the market.

During the game, the questions often asked by the business community will be answered, namely:

1. What business development strategy can help with beating the competitors?
2. How to remain profitable and earn more?
3. How to boost up a business with lean technologies?
4. What up-to-date solutions can be used in business?

13:00–14:00
CONFERENCE
HALL F5,
PAVILION F

LUNCH

13:30–18:00
CONFERENCE
HALL G20-G21,
LEVEL 2

SEMINAR MODERN APPROACHES TO CABLE AND OVERHEAD HV LINES DESIGN, CONSTRUCTION, AND OPERATION

ORGANIZER:

- ExpoForum International

DISCUSSION:

- Updated methods and technologies in the sphere of cable and overhead lines.
- State-of-the-art software for calculation of cable and overhead lines.
- New technical solutions and structures used to build cable and overhead lines.
- Passage sections used to connect cable and overhead lines.
- Technical means, automated systems, and robotic devices used for maintenance of cable and overhead lines, including overhead lines in stiff terrains.
- Elements of cable and overhead lines: monitoring and diagnostics. Methods and means used to evaluate the operation life remaining in cable and overhead lines.
- Case record of new technical solutions used during construction and operation of cable and overhead lines.
- Regulations and technical documents in effect.

MODERATOR:

- **Marina Ermoshina**, Ph. D. in Physics and Maths, MBA, individual member of CIGRE, representative of Russia in Overhead Lines B2 International Board, Head of Alternative Design Department at Streamer Electric



SPEAKERS:

- **Ruslan Muzafarov**, Director, DC-Engineering
Report: Causes of reliability deterioration in cable lines of 6 to 35 kV distribution grids; using cables with improved reliability;
- **Vyacheslav Ivashchenko**, Operations Director, PKP Polimer-Ural, Chelyabinsk
Report: Modern technologies for cable line protection in the energy sector;
- **Vildan Khalitov**, Director for Technical Development, Energotek
Report: Modern polymer solutions used in construction of HV cable lines;
- **Dmitry Kopchenkov**, Head of Comprehensive Monitoring Directorate of the Monitoring Centre of Rosseti Lenenergo's Affiliate 'St. Petersburg HV Electric Grids,' St. Petersburg
Report: Requirements to cable line testing at startup and during operation. Cable line monitoring, prospects and introduction of new methods. Specifics of cable line operation in metropolitan cities;
- **Mikhail Zhidkov**, Senior Engineer at Alternative Design Department at Streamer Electric
Report: Case record of digital passages used to connect 110 kV cable and overhead lines;
- **Timur Mingachev**, CCO, Amast PL Group of Companies, St. Petersburg
Report: Analyzing mistakes in transitions sections design and equipment locations that can result in emergency situations;
- **Evgeny Enkin**, Leading Research Officer, Streamer, St. Petersburg
Report: Russian projects of protection systems that prevent overhead lines from emergency failures during thunderstorms;
- **Elizaveta Rumyantseva**, Senior Engineer at R&D Lab of Electric Grids Construction, Energozhelezobetoninvest Production Company
Report: 10 years of innovations for reinforced concrete structures of 35 to 750 kV overhead lines;
- **Dmitry Shamanov**, CDO, ENERVIC, St. Petersburg
Report: Improving throughput capability in 0.4 kV that results in better electricity quality for users of the distribution network;
- **Dmitry Kotkin**, Research Officer, Streamer Electric
Report: Evaluation of the impact that lightning bolts can have on the new-gen arresters for 110 kV overhead lines;
- **Dmitry Savvin**, Leading Engineer, Scientific and Technical Center of Unified Power System, Novosibirsk
Report: Using RPA programming and computing system to modeling 6+ kV overhead and cable electricity lines for calculation of grid emergency modes, RPA setpoints, and detection of damaged sites of the lines;
- **Konstantin Romanov**, Head of Scientific and Technological Activities Sector at R&D Lab of Electric Grids Construction, Energozhelezobetoninvest Production Company
Report: Overview, update, and harmonization of the regulative and engineering documents in effect in the Russian Federation, in particular - in Rosseti, as regards to construction of electric grid structures

14:00-17:00
CONFERENCE
HALL F1,
PAVILION F

CONFERENCE

FUEL & ENERGY COMPANIES IN THE NEW REALITY: HOW TO BE AS EFFECTIVE AS POSSIBLE IN PR AND DIGITAL COMMUNICATIONS? *

ORGANISERS:

- ExpoForum International
- North-West Representative Office of Russian Communication Agencies Association;
- Grand Media Service Communication Agency

* To attend please send an application at: e.tokarenko@expoforum.ru

ISSUES TO BE DISCUSSED:

- Which results can fuel and energy companies achieve through positioning in the oil and gas market by participation in St. Petersburg International Gas Forum? Are these tools similarly effective for all events of such kind?
- Getting ready for SPIGF to ensure the best possible effect of participation.



- Fuel and energy projects, cooperation, and partnership: communications aspect. Which trends are worth concentrating at?
- Using reputation in the Internet and evaluating it (SERM and ORM for the fuel and energy sector).
- Using information monitoring data to evaluate communication efficiency.
- Public Performance as an effective tool for comprehensive promotion in both the oil & gas sector and the energy industry.
- Marking of Internet ads: avoiding risks.
- Effective use of Yandex ecosystem to position and promote your services in the fuel and energy sector.

SPEAKERS:

- **Andrey Volkov**, CEO, Grand Media Service Agency, Head of North-West Representative Office of Russian Communication Agencies Association
Report: Public Performance as an effective tool for comprehensive promotion in both the oil & gas sector and the energy industry;
- **Denis Osadchiy**, Head of St. Petersburg International Gas Forum
Report: St. Petersburg International Gas Forum as a tool of communication and promotion in the oil and gas market;
- **Representative of Yandex**
Report: Effective use of Yandex ecosystem to position and promote your services in the fuel and energy sector;
- **Vyacheslav Zhigulin**, Head of Monitoring Research, Gortis Group of Companies
Report: Information monitoring as a tool to evaluate communication efficiency;
- **Boris Grigoriev**, Vice President of Russian Communication Agencies Association
Report: Using reputation in the Internet and evaluating it (SERM and ORM for the fuel and energy sector);
- **Natalia Neverovskaya**, lawyer, UNICOMLEGAL Company, curator of the Youth Chamber affiliated with Roskomnadzor
Report: Practical use of the advertisement law without any penalty or loss risks

14:00-18:00

CONFERENCE HALL
OF PRESS CENTRE,
LEVEL 2

ROUND TABLE DISCUSSION

UP-TO-DATE ENERGY SAFETY AND ANTI-TERRORISM SECURITY TASKS AND MEANS AT FUEL AND ENERGY SITES. RELIABILITY AND AVAILABILITY OF ENERGY INFRASTRUCTURE

ORGANIZER:

- Association of Energy Enterprises in the North-West Federal District;
- ExpoForum International

ISSUES TO BE DISCUSSED:

- Energy safety and anti-terrorism security of fuel and energy sites;
- Supervision activities in the energy sector with due regard to legislation amendments;
- Consolidation of network assets as the energy infrastructure reliability and availability factor;

МОДЕРАТОР:

- **Andrey Altukhov**, CEO, Association of Energy Enterprises in the North-West Federal District

SPEAKERS:

- **Vladislav Ozorin**, President, Association of Energy Enterprises in the North-West Federal District; First Vice President of National Association of Energy Enterprises; coordinator of activities undertaken by Scientific Expert Board of the Federation Council in the constituent territories of the Russian Federation
Report: Topical issues of energy safety today;
- **Evgeny Gorlenko**, Director, Information Technologies and Communications Department, Russian Ministry of Emergency Situations;
- **Igor Titenok**, Deputy Head, Ministry of Emergency Situations for St. Petersburg (as agreed);
- **Vitaly Vozzhennikov**, Head of Safety Arrangements for Fuel and Energy Sites Department, Main Directorate of Rosgvardia for St. Petersburg and Leningrad Region (as agreed);



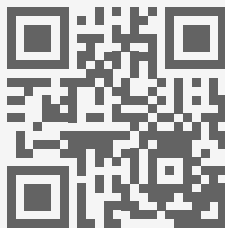
- **Violetta Kiushkina**, Head of Energy Security and Infrastructure of the Fuel and Energy Industry Department, Russian Energy Agency
Report: Methods and criteria used to evaluate energy safety of Russian regions;
- **Dmitry Latyshev**, Acting Director of St. Petersburg Scientific and Technical Information Center - Affiliate of the Russian Energy Agency
Report: Law enforcement practice as regards to energy safety of fuel and energy facilities;
- **Vitaly Korotaev**, First Deputy Chairman of Energy Committee, Association of Energy Enterprises in the North-West Federal District, expert in Scientific Expert Board of the Federation Council
Report: Current issues of energy infrastructure availability;
- **Dmitry Zamkovoy**, CEO, MOBIL GROUP
Report: Antiterrorist protection arrangements for fuel and energy facilities;
- **Alexander Isaev**, Senior Power Engineer, the State Hermitage
Report: Energy supply reliability and quality as a factor of effective and safe operation of cultural heritage sites;
- **Sergey Golubev**, CEO, Infotaktika
Report: Radio-technical means used to counteract UAVs in the fuel and energy sector

18:15-21:00
PAVILION G

GALA EVENING*
*Access by invitation only

26 APRIL, FRIDAY

TIME	EVENT
09:00-18:00	REGISTRATION OF CONVENTION PROGRAM PARTICIPANTS AT RUSSIAN INTERNATIONAL ENERGY FORUM
09:00-10:00	WELCOME COFFEE BREAK
11:00-13:00	<p>TECHNICAL TOUR TO SOUTH-WEST CENTRAL HEATING AND POWER PLANT*</p> <p>Specialists of the South-West Central Heating and Power Plant will give a technical tour of their facility. Before the tour, the participants will be demonstrated a film about construction of the station, the 10th launch anniversary of the 1st power block, and the 4th stage of construction of the 2nd phase of the project.</p> <p>* To take part in the technical tour, please, send your application at vv.avakyan@expoforum.ru</p>
12:45-16:00	<p>TECHNICAL TOUR TO THE LENINGRAD METAL PLANT (PART OF POWER MACHINES COMPANY) *</p> <p>During this technical tour, the visitors will attend the production workshops of the Leningrad Metal Plant, namely:</p> <ul style="list-style-type: none"> • The steam-turbine workshop, • The rotor workshop. <p>* To take part in the technical tour, please, send your application at vv.avakyan@expoforum.ru. Make sure to attach a filled in personal data processing consent.</p>



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