Speed is becoming a key criterion in our high-tech world. Transformations in the economy which required decades just half a century ago now can happen literally within one year. Solutions that can be implemented **quickly** are gaining popularity. The constant growth in financing costs also contributes to a reassessment of usual values. Long-term projects, requiring five to ten years for implementation, are becoming increasingly risky or unprofitable at all.

The **boost** that rapidly developing new energy technologies have given to the global energy transition is truly impressive and once again proves that the most fantastic predictions are becoming today's reality. Just ten years ago even the most optimistic experts neither anticipated a fivefold increase in global investment into the energy transition, nor could they think that the total installed capacity of global renewable energy generation would triple. Therefore, doubling the capacity in the next five years no longer seems impossible.

Some may ask, what does this have to do with Russia? In absolute values, only about 5 GW have been commissioned in the past ten years, which does not look particularly impressive, compared to the 1300 GW added in China. However, in relative values, this represents a fourfold growth. Such growth rates are expected to be maintained: in the next ten years, Russia's renewable energy generation capacity will triple.

The **pace** of structural changes in the power sector is also accelerating in Russia. Just within the period of 2024 cost-effectiveness of the projects has changed dramatically. Recent capacity market auctions for the projects of new generation facilities demonstrated that WPP, SPP, and BESS can compete with thermal and nuclear generation accordingly, with the final cost gap reaching 50–70% in favor of renewables.

For the first time in the history of the Russian Unified Power System, capacity market auctions for energy transition projects (RES generation and BESS) were introduced to address local electricity and capacity shortages, opening new opportunities for power market upgrade. One of the key advantages of such solutions is the **speed** of implementation. A wind or solar farm or a grid-connected storage facility can be built within one-two years, which also implies significant cost savings. In 2025, in addition to previously planned projects, approximately 2000 MW of RES generation and BESS were allocated to mitigate the risks of energy shortages. Combination of such solutions could become an important element of long-term power system planning in the future.

The initiatives implemented in 2025 in the electricity and capacity market laid the foundation for the sustainable long-term development of the national energy transition sector. In the updated National Energy Strategy 2050, in addition to the baseline scenario — which foresees a 40% increase in RES capacity by 2050 — an accelerated energy transition scenario is introduced, providing for faster decarbonization of the energy sector based on renewable energy. The General Scheme for the Placement of Electric Power Facilities until 2042, adopted at the end of 2024, envisages the construction of an additional 10 GW of RES capacity over the next ten years.

What kind of response does the **rapid** development of technologies require from the energy market regulators and infrastructure? What trends will have the most impact on changes in the power system planning process? How will the electricity and capacity market evolve under the energy transition? Which decisions of the Russian Federation Government and energy market regulators could lead to an investment boom in the energy market? Where will new investments come from amid liquidity shortages in the banking sector? We will seek answers to these and other questions at the III Annual Conference "Russian Renewable Energy: Energy Transition Technologies".

During the discussions, we will pay particular attention to the results of recent capacity market auctions for investment projects under current support programs, as well as to emerging sectors that are shaping potential for accelerating the energy transition.

In addition, as part of the III Annual Conference **"Russian Renewable Energy: Energy Transition Technologies"** the Russia Renewable Energy Development Association (RREDA) will summarize the outcomes of several competitions and award prizes to the winners.

PROGRAM

09:30 – 10:00. Registration, morning coffee

10:00 – 12:00. Session 1. **Accelerating the Energy Transition: New Solutions – New Opportunities**

Moderator
Vasily Zubakin, Head of the Department of Renewable Energy Sources, Gubkin Russian State University of Oil and Gas (National Research University)

Topics for discussion:

- The adaptation period to sanctions-related restrictions has passed by. When can we expect a rising growth in the construction of new generation facilities, and which market segments will provide additional momentum?
- Which political decisions have not yet been made but could play a crucial role in further development of the sector?
- Progress in the domestic manufacturing sector: which technologies demonstrate the highest potential?
- What is the current status of equipment production localization projects?
- Have new investors been attracted through additional investment project auctions?
- How can investment attractiveness in the power sector be enhanced?

Speakers
Vadim Dormidontov, First Vice President, Gazprombank
Alexey Zhikharev, Director, Russia Renewable Energy Development Association; CEO, ENSOLVE
Andrey Maksimov, Director of the Department for Electricity Development, Ministry of Energy of the Russian Federation
Grigory Nazarov, CEO, Rosatom Renewable Energy
Fedor Opadchiy, Chairman of the Board. System Operator of the Unified Energy System
Pavel Snikkars, CEO, T Plus
Oleg Shutkin, Deputy General Director, Unigreen Energy

12:00 – 12:30. Coffee break

12:30 – 14:00. Session 2. **Combining Renewable Energy with Other Energy Transition Solutions: How Does the Speed of Technology Development Impact Efficiency?**

Moderator
Alexey Zhikharev, Director, Russia Renewable Energy Development Association; CEO, ENSOLVE

Topics for discussion:

- How can we ensure a balance between long-term solutions and the need for rapid response to changes in the power system?
- How is the electricity sector landscape react to the technologies development?
- Which technologies maximize the efficiency of integrating RES generation into the power system?
- Will energy transition solutions address energy shortage issues in the long term?
- Will electricity consumers play a significant role in improving supply reliability and developing the energy market?
- Which innovative electricity market models are becoming most relevant during accelerated technology development?

Speakers
Matvey Airapetov, Deputy Director of the Mechanical Engineering for Fuel and Energy Complex Department of the Ministry for Industry and Trade of the Russian Federation
Artur Alibekov, CEO, EcoEnergy Group
Oleg Barkin, Board Member, "NP Market Council" Association; CEO, Energy Certification Center
Andrey Katayev, Board Member, Director of Energy Markets and External Relations, “System Operator of the Unified Energy System”
Dmitry Lapkin, CTO, Parus electro
Natalia Nevmerzshitskaya, Chair of the Board, Association of Guaranteed Suppliers and Energy

Vladimir Tupikin, Director of Energy and Resource Provision, Sibur; Chairman of the Supervisory Board, Energy Consumers Community Association; Member of the Supervisory Board, NP Market Council; Member of the Government Commission on Electricity Development

14:00 – 15:00. Lunch

15:00 – 15:40. Open Interview: **Francesco La Camera**, Director-General of the International Renewable Energy Agency (IRENA), in conversation with **Alexey Kharnas,** Editor-in-Chief, Expert Magazine.

15:40 – 16:00. Coffee break

16:00 – 17:30. Session 3. **International Cooperation and the Potential for Implementing Energy Transition Technologies in Global Energy Sector**

Moderator
Andrey Sharonov, CEO of the National ESG Alliance

Topics for discussion:

- The role of energy transition technologies in meeting accelerating growth in electricity demand.
- Drivers for deepening international partnership in energy projects.
- Prospects for transformation in the technological structure of the modern energy sector.
- The role of international organizations and financial institutions in boosting investment activity in energy transition projects.
- Resource base, technologies, engineering expertise: factors for leadership in the future of energy.

Speakers
Francesco La Camera, Director-General of the International Renewable Energy Agency (IRENA)
Kirill Komarov, First Deputy Director General for Development and International Business of ROSATOM; Co-Chairman, Russia Renewable Energy Development Association

17:30 – 18:30. Award Ceremony for the winners of the all-Russian national competition for media outlets, online resources, and bloggers in the field of renewable energy and energy transition technologies “TextRES”, as well as winners of the photo contest “RES in Focus – 2025.”

17:30 – 19:30. Cocktail Reception