Power Engineer's Day 2024

December 20, 2024

The "Power Engineer's Day" holiday is observed on December 22 to commemorate the GOELRO plan—a groundbreaking project that modernized Russia’s economy through energy development. However, it was officially established in 1966. In 2024, the holiday falls on a Sunday.

This day recognizes the vital contributions of energy workers to the economy and modern comfort. Celebrations include award ceremonies, corporate events, and expressions of gratitude for their hard work.

Thanks to GOELRO, 30 large power plants were built within 10-15 years, laying the foundation for industrialization.

MKS Group Congratulates on Power Engineer's Day!
Your work brings light to our homes, warmth in winter, and powers industries. Thanks to your professionalism and dedication, we enjoy comfort and stability. Your job demands responsibility, expertise, and perseverance—we deeply appreciate your efforts!

Small-Scale and Renewable Energy
On December 13, Moscow hosted the "Golden Lightning" awards—the most prestigious recognition in distributed and renewable energy. The 10th International "Small Energy – Big Achievements" Award Ceremony took place at the "Delovaya Rossiya" headquarters. Over 100 companies attended, with 72 submissions from Russia and the UAE—one of the highest participation rates in the award’s history.

Key Milestones in Russian Energy Since GOELRO
1950s-1960s
Construction of major hydroelectric plants (Bratskaya, Krasnoyarsk) and thermal power stations.
1970s-1980s
Development of nuclear energy: Launch of Obninskaya and Novovoronezh NPPs.
2000s-Present
Infrastructure modernization, adoption of renewables (solar, wind).
Key Dates

2000s: New power plants, Federal Energy Efficiency Law (#261-FZ, 2009).
2010s: Advanced nuclear reactors (Beloyarsk, Novovoronezh), international projects (Turkey, Belarus, India), growth in renewables (solar farms in Kalmykia, Adygea).
2020s: Digitalization (smart grids), eco-initiatives (Arctic wind farms), new NPPs (Leningrad-2, Kursk-2).

Future Energy Prospects (2025-2030)
Russia’s Ministry of Energy approved a development plan (Order #2328) for 17,341.4 MW of new capacity, including:

Nuclear (3,850 MW)
Thermal (7,876.2 MW)
Hydro (1,091.4 MW)
Renewables (4,523.8 MW)
National Project "New Atomic & Energy Technologies" (2025-2027)
Budget: 46.9 billion RUB for advanced energy solutions.
Russian Energy Week Forum 2025
Scheduled for October 15-17, 2025 in Moscow.

Role of Small-Scale Energy
Critical for remote regions (Siberia, Far East, Arctic):

2000s: Gas turbine units (GTUs), decentralized systems.
2010s: Mini-hydro, solar/wind in Yakutia, Buryatia.
2020s: Smart microgrids, Arctic energy hubs.
Future (2025+):

Hydrogen pilot projects.
Hybrid systems (solar + storage).
Import substitution (local equipment).

Fun Facts for Power Engineer’s Day
December 22 is the winter solstice—symbolizing how energy workers "turn night into day."
GOELRO exceeded targets: By the 1930s, electricity output grew 6x vs. pre-revolutionary levels.
Russia leads in natural gas production/export.
Emerging sectors: geothermal, hydrogen energy.
Top energy-efficient regions: St. Petersburg, Murmansk, Nizhny Novgorod.
2023 stats: Power generation rose 1.5% (1.22 trillion kWh).

Bonus: Upgrade Your Equipment!

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Conclusion

Small-scale energy and gas-piston units (GPUs) are indispensable for Russia’s remote areas. With digitalization, renewables, and hybrid systems, the sector is moving toward sustainability and energy independence. Future trends include hydrogen tech and Arctic projects, ensuring Russia’s energy security.

Small-scale energy will remain a strategic priority, driving innovation and stability for decades to come.