

10-12 April 2024



22nd International Industrial Exhibition
of Power Engineering and Electrical Engineering



22nd International Industrial Exhibition of Renewable
and Alternative Energy and Technologies



Premier International Exhibition on Energy Saving
and Energy Efficiency

Why did more than 1,600 executives and experts choose Renewable Energy, PowerTech and Energy Save 2024?

Almaty, Kazakhstan - [April 10 -12] - PowerTech, Renewable Energy and Energy Save Expo 2024, the large-scale event that united the PowerTech, Renewable Energy and Energy Save Expo exhibitions, came to a glittering conclusion in Almaty, Kazakhstan. The exhibition attracted a record 56 companies from 7 countries, demonstrating the unprecedented interest in energy efficiency and renewable energy in the region.



Three events - endless possibilities:

PowerTech, Renewable Energy and Energy Save Expo 2024 provided a unique platform for:

- 01** Familiarization with advanced technologies and solutions: Visitors of the exhibition could see the latest developments in the field of energy saving, renewable energy and electrical engineering from 5 leading global and regional companies such as Anka Global, Hebei Oushang Photovoltaic Technology Co., Ltd., SUNWAY SOLAR CO., LTD., KazElectroSnab LLP and others.
- 02** Establishing business contacts: The exhibition became an ideal platform for finding new partners, investors and customers.
- 03** Experience exchange: The participants of the event were able to take part in conferences, seminars, workshops and other events where leading industry experts shared their knowledge and experience.

Numbers:



Exhibitors





Business Program:

Over 16 hours of presentations and workshops

Round Table:

Round table
Digital solutions for
optimization of energy
consumption of the
enterprise



JSC "Institute of Electric Power Industry Development and Energy Saving" of the Ministry of Industry and Construction of the Republic of Kazakhstan



Decarbonization and energy efficiency in industry.
IEC Energy GmbH



Transformation of energy distribution systems under conditions of RES share growth in the Electric Power Industry of Kazakhstan and Central Asian countries.
Schneider Electric

And others.

Opinions of the participants:

Exhibition Participant Research Results:



of participants rated the exhibition as "successful" or "very successful"



of exhibitors made new client contacts



of participants signed or are in the process of signing contracts



of exhibitors believe that participating in PowerTech Expo, Renewable Energy Expo, and EnergySave Expo gives them a significant advantage in the face of increasing competition and sales challenges

*Based on participant survey results.



Participant and Visitor Feedback:



I, Pavel, representing MegaDigital.kz, the official representative of Theben, would like to share my impressions of the EnergySave Expo 2024 held in Almaty, Kazakhstan, from April 10 to 12, 2024.

From day one, our team of five, including a representative from Theben's German plant, was impressed by the scale and scope of the event. The exhibition attracted numerous participants from different countries, highlighting the high interest in energy efficiency and innovative technologies.

Over three days, we conducted 58 targeted meetings, demonstrating the high level of preparation and organization of the event. It was very useful to learn about the latest developments and technologies from leading global and regional companies. Seeing in person what we had previously only seen in pictures and presentations added immense value to our participation.

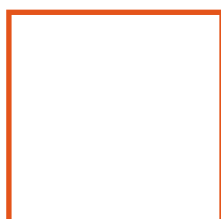
The exhibition's business program was particularly impressive. We participated in several events, learning a lot from industry experts. The round table on energy-saving technologies and initiatives in Kazakhstan and Central Asia was especially memorable, providing us with new ideas and approaches that we plan to implement in our work.

The exhibition provided an excellent opportunity to find new partners and clients. The meetings we held are already yielding results, and we are confident they will grow into successful projects.

I would like to express my deep gratitude to the organizers for such a large-scale and professional event. EnergySave 2024 is a must-attend event for everyone involved in energy efficiency and innovative technologies in the energy sector.

We will definitely participate in this exhibition next year!

Pavel,
Representative of MegaDigital.kz,
Official Representative of Theben



link
video review

Visitors Feedback:

Visitors:

1879
unique visitors



89% from Kazakhstan
and Central Asia
11% from abroad

According to Visitor Survey:



of visitors have decision-making
authority or influence purchase
decisions



of visitors attended the exhibition
for the first time



of visitors are industry
professionals



of visitors attended to establish
new business contacts and
negotiate purchases



of visitors spent 4 to 12 hours at
the exhibition (more than one
working day)



plan to visit PowerTech Expo 2025,
Renewable Energy Expo 2025, and
EnergySave Expo 2025 next year



Position Levels (%):

Development Managers:



Development Manager
Market Development Manager
Business Development Manager

Directors:



General Director
Director of Development and Marketing
Director
Commercial Director
Operations Director
Technical Director
Deputy Director
Executive Director
Production Manager
Department Head
CEO
Managing Director

Engineers and Technical Specialists:



Engineer
Lead Engineer
Chief Engineer
Power Engineer
Design Engineer
Technical Specialist
Electrician

Visitors Came from Companies such as:

- AO KEGOC
- Terranova Central Asia
- Schneider Electric
- GE Vernova - Grid Solutions
- Photomate s.r.o.
- Mitsubishi Electric
- Tengizchevroil and many others.

Media about PowerTech, Renewable Energy, Energy Save 2024:

1. International Industrial Forum in Almaty: New Innovations in Energy and Mechanical Engineering

<https://dknews.kz/ru/ekonomika/323112-mezhdunarodnyy-promyshlenny-forum-v-almaty-novye>

2. Innovations in energy and new achievements in engineering to be presented in Almaty

<https://en.inform.kz/news/innovations-in-energy-and-new-achievements-in-engineering-to-be-presented-in-almaty-af9bcb/>

3. Innovations in energy and new achievements in the field of mechanical engineering will be presented in Almaty

<https://vlast.kz/novosti/59701-v-almaty-predstavat-innovacii-v-energetike-i-novye-dostizhenia-v-oblasti-masinstroenia.html>

4. KBTU TOOK PART IN THE INTERNATIONAL EXHIBITION POWERTECH EXPO 2024

<https://kbtu.edu.kz/ru/latest-news/4330-kbtu-prinyal-uchastie-v-mezhdunarodnoj-vystavke-powertech-expo-2024>

5. INDUSTRIAL FORUM International exhibitions of power engineering and electrical engineering "POWERTECH'2024, RENEWABLE ENERGY EXPO'2024, ENERGY SAVE EXPO'2024".

<https://kstnews.kz/news/economy/item-82574>

Information Support:



Electricity Sector in Kazakhstan

General Information:

Kazakhstan's electricity sector includes a variety of power plants and an extensive transmission and distribution network. The main types of power plants are thermal, hydroelectric, and renewable energy sources (RES).

Electricity Production:

- 2022 Production: 112.8 billion kWh.
- 2023 Plan: 114.9 billion kWh.
- Key Producers: Ekibastuz GRES-1, Ekibastuz GRES-2, and Jambyl GRES.

Infrastructure:

- National Grid: Connects regions of Kazakhstan and neighboring countries (Russia, Kyrgyzstan, Uzbekistan).
- Transmission Companies: Utilize owned or leased networks for power transmission.

Energy Market:

- Wholesale Market: Includes balancing and ancillary services markets.
- Centralized Trading: Introduction of a single buyer from July 1, 2023.

Modernization and Investments:

- Significant investments are directed towards upgrading existing capacities and building new facilities.
- Aim to double production capacity by 2035.

Renewable Energy Sources (RES) in Kazakhstan

Current Situation:

- 2022 RES Capacity: 130 facilities with a total capacity of 2400 MW.
- 2022 RES Production: 5.11 billion kWh, 4.5% of total electricity production.

Goals and Plans:

- 2030 Target: Increase RES share to 15% of total electricity production.
- 2023 Plan: Commission 15 new RES projects with a total capacity of 276 MW.

Support and Development:

- Government Support: Guaranteed purchase prices and auctions.
- Annual auctions planned for 250 MW to ensure steady growth and investment.

Major Projects:

- Wind Power Plants: Ust-Kamenogorsk and Shulbinsk HPPs.
- Solar Power Plants: Active construction in various regions.
- Foreign Partnerships: Agreements with Total, Masdar for large-scale projects.

Financial Support:

- Long-term contracts with RES producers.
- Increased investments in RES infrastructure and technology.

Future Prospects:

- Development of new technologies and innovative solutions to enhance RES efficiency.
- Attracting international investors and partners for joint projects.

Source Links:

- Ministry of Energy of Kazakhstan - Electricity
- Ministry of Energy of Kazakhstan - RES
- KEGOC - Electricity in Kazakhstan

This report is designed for presentation to potential participants of the exhibition, highlighting key aspects and development prospects of Kazakhstan's electricity sector, including renewable energy sources.

#PowerTechExpo #RenewableEnergy #EnergySave
#CentralAsiaPowerMeetup #GreenEnergy #FutureOfEnergy



Join us next year!

**02-04 April
2025**



Take part in
**PowerTech Expo, Renewable Energy,
EnergySave 2025**

**Almaty,
Kazakhstan**

**Book your booth by October 31st
for the best rates!**

Stay updated on our website: <https://www.powertechexpo.kz/en/home/>

Official Support:



Contacts:

Republic of Kazakhstan, 050060 Almaty, Abisha Kekilbayuly st., 34
+7 771 205 12 85 / tradefair@industriexpo.com / qazaqevents@gmail.com