



INTERNATIONAL EXHIBITION AND FORUM

# RENWEX

Renewable Energy  
& Electric Vehicles

20–22 JUNE 2023

EXPOCENTRE Fairgrounds, Moscow, Russia

[www.renwex.ru/en](http://www.renwex.ru/en)

12+

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## RENWEX: THE MAIN MEETING POINT FOR RES INDUSTRY PROFESSIONALS AND EXPERTS

**Russia's largest trade show  
of main types of renewable energy  
sources and electric vehicles**

The project is aimed to promote development of renewable energy sources in the Russian energy sector and green transport.

**The main meeting point for professionals  
and experts in alternative energy  
and electric transport**

It is an opportunity over just a few day to see the industry's key companies and attend conferences on main RES issues and development .



## WELCOME ADDRESSES RENWEX 2022

### High status of the show's public officials



**Pavel Sorokin, Deputy Minister of Energy  
of the Russian Federation**

"On behalf of the Russian Ministry of Energy, I would like to congratulate you on the start of the International Exhibition and Forum RENWEX 2022. Renewable Energy and Electric Vehicles. I am positive that RENWEX 2022 will serve as the best possible platform for discussing the opportunities and prospects for the industry. I wish you all interesting discussions and fruitful work at the forum!"



**Mikhail Ivanov, Deputy Minister of Industry  
and Trade of the Russian Federation**

"On behalf of the Russian Ministry of Industry and Trade and myself, I would like to welcome the participants, visitors and organisers of the International Exhibition and Forum for Renewable Energy and Electric Vehicles – RENWEX 2022. Let me wish the visitors, participants and organisers fruitful work, informative discussions and useful contacts!"



**Pavel Zavalny, Chair at  
the Committee on Energy  
of the Russian State Duma**

"On behalf of the Russian State Duma Committee on Energy and myself, I would like to welcome the organisers, participants and visitors to the RENWEX 2022 International Exhibition and Forum. Let me wish all visitors, participants and organisers constructive negotiations, fruitful meetings and successful work!"



**Vladimir Kononov, Chair  
at the Organising Committee  
of Russian Week  
of High Technologies,  
Deputy of the State Duma  
of the Russian Federal Assembly**

"I would like to invite you to take part in RENWEX 2022. Renewable Energy and Electric Vehicles at EXPOCENTRE Fairgrounds on 21–23 June 2022!"



**Alexey Kulapin, General Director  
at the Russian Energy Agency of  
the Russian Ministry of Energy**

"On behalf of the Russian Energy Agency of the Russian Ministry of Energy and myself, I would like to welcome the organisers, exhibitors and visitors to the international exhibition and forum RENWEX. Renewable Energy and Electric Vehicles 2022! I wish the forum participants every success, informative discussions, new contacts and promising ideas and initiatives!"

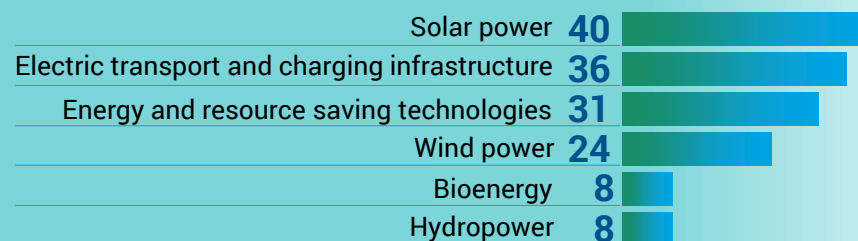


# RESULTS

## RENWEX 2022



### Product sectors, %\*



\* Some companies participate in several sectors

[www.renwex.ru/en](http://www.renwex.ru/en)

## PRODUCT SECTORS RENWEX



Wind power



Solar power



Electric transport and  
charging infrastructure



Energy and resource  
saving technologies



Education and training  
for the RES industry



Hydrogen energy



Hydropower



Bioenergy, biogas  
and solid biofuel

# ELECTRIC TRANSPORT AND CHARGING INFRASTRUCTURE

## RENWEX



## Participants



The share of the Electric Transport and Charging Infrastructure sector is growing every year





# EDUCATION AND COLLEGES

## RENWEX 2022



## Educational programmes and developments in green energy and alternative transport offered by Russia's leading universities

- **Moscow Polytech**  
displayed a Murena solar-powered boat, developed by the students as part of their project activities. Its main difference from previous versions is the availability of an on-board computer.
- **Moscow Power Engineering Institute**  
presented the compact laboratory Renewable Energy in a Suitcase, which can be used to introduce schoolchildren to the operation of solar and wind power plants.
- **The Institute of Solid State Physics**  
is one of the largest institutes of the Russian Academy of Sciences, which successfully combines fundamental and applied research of new materials. This year, the Institute presented batteries based on solid oxide electrolysis cells – hydrogen generators with record efficiency for hydrogen power.
- **The National University of Science and Technology MISIS**  
demonstrated solar panels made of domestic materials: InPOWER solar panels, an improved version of perovskite-based solar panels by Maxenami (MXenes) and Thin Film Perovskite solar cells and modules.
- **Alekseev Nizhny Novgorod State Technical University**  
demonstrated innovations for the energy industry: a hydrogen-based hybrid power plant, a wave-proof generation system and a wind-diesel power plant with optimised diesel fuel consumption, as well as electric drives for light commercial vehicles and automotive functional safety equipment for electronic systems.

# VISITORS

## RENWEX 2022



### Visitors include

Bank of Russia, Baltic Energy Company, VEB.RF, VimpelCom, Gazpromtrans, Gazprom VNIIGAZ, Gazpromneft Energosistemy, Goznak, Centre-City of Moscow, Decathlon, Inter RAO, Kazan Synthetic Rubber Plant, Kurchatov Institute, Almaz-Antey Concern, Leroy Merlin East, Lukoil-Energoseti, Lukoil, MB-Story, Mechel-Energy, Russian Aircraft Corporation MiG, MTS, Mosgortrans, MOESK, Mosinzhproekt, Mosoblenergo, Mosenergosbyt, NPO Lavochkin, Novo Nordisk, Norilsk Nickel, PepsiCo Holding, RZD, Rostelecom, Russian Post, Russian Space Systems, Rusatom – Automated Control System, Russneft, Ruselprom Concern, Severstal, SIBUR Holding, Siemens AG, Trade Section of the Embassy of the Republic of Korea, Toyota Tsusho RUS, Hitachi High-Tech Rus, Hitachi Energy, Hochland Russland, Yandex Zapravki, En+group, INGKA, Legrand, X5Retail Group, UzAgro

**81%**

Purchasing  
decision  
makers

**59%**

CEOS/top  
executives

**56%**

First-time  
visitors

### Job title, %

17	CEO
14	Manager/specialist
14	Area manager/department head
7	Engineer/mechanical engineer
6	Other
5	Executive director/managing director
5	Professor/student
5	Technical director
5	Development director
4	Private individual
4	Commercial director
3	Designer/developer
3	Head of sales
2	Research representative
2	Self-employed
2	Marketing/advertising director
1	Head power engineer
1	Mass media representative
1	Head of purchasing

### Interests, %\*

56	Solar power
53	Electric transport and electric cars
44	Wind power
36	Hydrogen energy
35	Energy and resource saving technologies. Industrial energy efficiency
29	Hydropower
26	Network infrastructure and solutions for integration of renewable energy sources Measurement and control equipment and systems, automation and process control
21	Bioenergy, biomass, biogas and solid biofuels
21	Solid household waste as renewable energy source
18	Safety of energy facilities and environmental protection
18	Geothermal energy
18	Investment, finance, insurance



# EVENTS

## RENWEX 2022



## The three-day International Forum on Renewable Energy and Electric Vehicles

**13**  
events

**120+**  
speakers

**1,400**  
delegates offline

**2,495**  
delegates online

### Panels

- Official opening ceremony of RENWEX 2022
- The green economy and the decarbonisation of the Russian industry: a reset and new growth points
- Regional decarbonisation programmes: pilot projects and real results
- Development of distributed generation in remote and isolated areas of the Far East and Arctic
- Transformation of approaches to alternative energy in the context of the global energy crisis
- Renewable energy: priorities, HR, laws
- Russian technologies for green energy + energy efficiency in the fuel and energy sector
- Science and RES: forming a modern environment for technology development. Summing up the results of the Renewable Energy of the Planet Russian Contest 2022
- Prospects for the development of small-scale hybrid energy
- Innovative technologies in renewable energy: success stories
- Small hydropower from potential to opportunities: financing, growth points
- Alternative transport and new technology
- Developing charging infrastructure for electric vehicles



### **Denis Vlasov,**

#### **Director of the Electricity Storage and Conversion Systems Department at DKC**

“This year we have decided to take part in this show again, as we evaluated last year’s contacts and results very positively. There were a lot of interesting meetings. This year we are presenting our new product, which is a charging station for electric cars. People from all Russian regions came to visit us. The show has just started, but we have already talked to people from the North, who are solving autonomy issues in northern regions.

DKC is a Russian manufacturer. It is now especially relevant for import substitution. I am sure that this show will result in many interesting contacts and success.”



### **Semyon Lapin,**

#### **Development Director at Electrocars**

“Today we are exhibitors at RENWEX 2022. Last year we were here for the first time as visitors. We enjoyed it very much. We got to know manufacturers of charging stations, those who present their products here, got interested. This year we are already participating ourselves. We brought an electric car and charging infrastructure to the show. We are the creators and builders of charging infrastructure in the Urals, and we are also the suppliers of electric cars.

The show is interesting. There are a lot of innovations. People share their experience and achievements, and discuss relevant and interesting topics. I think the show has great future.”

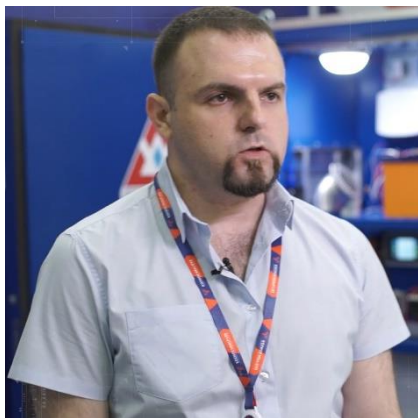




**Mikhail Nurkas,**  
**Sales Manager of the Energy and Industry Department at Akku-Vertrieb**

"It is our first time at RENWEX. It was an easy decision to take part in it since this show is related to renewable energy, and we are presenting products that use technological solutions in this type of energy. We have a lot to show."

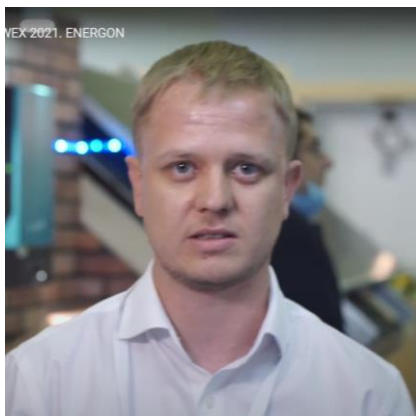
RENWEX offers us a platform to present our latest development, which is a lithium battery pack. There are a lot of professional visitors here who come for specific solutions. Our new product is also popular. People are interested, they ask questions. RENWEX is a very good working platform."



**Nikolay Chekhonadsky,**  
**Process Control Engineer at Kosmos-Neft-Gas**

"RENWEX is a networking platform for people interested in alternative energy sources. It allows you to see the trends of the modern industry, the needs of companies and consumers, to exchange experiences and generate new contacts."

We welcome representatives of both large and small companies to our stand. These are mainly communication companies working in the Far North, Siberia, and Far East regions. It is especially good that this platform is convenient for meeting people from different regions of our large country."



### **Evgeny Demidov, Head of Solar Power Department at ENERCON**

"We present ENERCON's concept for using solar energy at home and at commercial facilities. Our stand shows networked hybrid standalone inverters, solutions for using solar modules on the roof and recharging an electric car at home. The trade shows offer a great opportunity to see everything with your own eyes and try out the equipment. There are many industry professionals here who are interested in solar power, who are ready to develop their business and want to install solar power plants."



### **Lira Sabirova, Marketing Department of NSP**

"At RENWEX, we are showcasing NSP fast-charging stations for electric vehicles. We weren't expecting such an influx of visitors. We are networking and exchanging information. The show is very busy. It's truly international. We've got visitors from other countries who come up, take an interest, ask what we're doing. It's great that this exhibition has consolidated the industry of charging infrastructure of electric cars. We hope that next year we'll be able to take part in the show again to show ourselves off. In the course of the work we may even create a collaboration. RENWEX offers good opportunities for further development."





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**Renewable Energy  
& Electric Vehicles**

**20–22 JUNE 2023**

**JOIN US AT RUSSIA'S LARGEST TRADE SHOW OF MAIN TYPES  
OF RENEWABLE ENERGY SOURCES AND ELECTRIC VEHICLES!**

## **VENUE**

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