

BACKGROUND

«NEC» – National Energy Company.

Industrial group NEC – is an association of enterprises, which produce innovative Russian products and deliver services for the power engineering and industry.

NEC IN FIGURES

> 140,000 sq. m



total production site

> 4,000 pers



amount of personnel

> 70 bln rubles



total revenue

Common



R&D Center

TARGET MARKETS

POWER ENGINEERING



INDUSTRY



**ENGINEERING
INFRASTRUCTURE**



MEMBERS OF THE NEC GROUP



**NEC
NARTIS**



**NEC
NTZMK**



**NEC
UNITEL**



**NEC
ENHIM**

INCONTROL



**NEC
LZVO**



**NEC
MOSELECTRO**



NEC.TECH



**NEC
RTC-ELECTRO**



**NEC
ELECTROSHIELD-C®**

STRATEGIC PARTNERS

**URAL TURBINE
WORKS**

**NEVSKY TRANSFORMER
FACTORY**

**VORONEZH
TRANSFORMER**

EV-GROUP

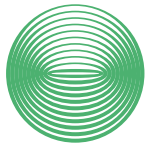
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INTELLIGENT ENERGY SUPPLY SYSTEMS: FROM SOURCE TO CONSUMER



Control and management systems for energy facilities

- Automated process control systems for technological processes (ACS TP)
- Relay protection and emergency controls
- Industrial networks and telecommunication systems



Energy sector chemistry

- Fire-resistant hydraulic fluids to ensure the operation of oil-filled equipment
- Oil purification stations and maintenance



Distribution equipment

- Complete gas-insulated switchgears (GIS) 6 (10), 20, 35, 110–500 kV
- High voltage equipment 110–750 kV
- Switchgears 0,4–35 kV
- Current conductors up to 35 kV
- Busbars 0,4–1 kV



Metal structures of any complexity

- Frames of energy blocks and industrial buildings
- Civil construction sites and unique sites
- Transmission towers of any complexity



Power transformers 35–500 kV

- Power oil transformers up to 330 kV
- Mobile, furnace, traction transformers



Electric charging infrastructure

- Electric charging stations 20–240 kV
- Power storage devices
- Charging station management system



Intelligent systems of measurement and commercial metering

- Data collection and transfer devices and telecommunication modules
- Smart energy meters (power, water and gas)
- Cryptographic protection tools of metering systems



Innovative solutions

- Performing R&D
- The digital twin of the power system
- Intelligent system of relay protection and automation
- Computer-aided design system
- Equipment monitoring and predictive diagnostics system



Complete solutions

- Modular and mobile substations 220/110/35/20/10 kV
- Concrete transformer substations 6–20 kV



Support and service

- Design of power supply facilities for all voltage classes
- Installation and commissioning of the supplied equipment
- After-sales service
- Full life cycle contracts