



## 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

**> 168,000** sq. m

 total production area

**> 4,500** pers

 amount of personnel

**> 95** bln rubles

 total revenue

**Common**

 R&D Center

## TARGET MARKETS

**POWER ENGINEERING**



**INDUSTRY**



**ENGINEERING INFRASTRUCTURE**



## MEMBERS OF THE NEC GROUP

NARTIS

NTZMK

UNITEL

H ENERGY

INCONTROL

NEC.TECH

MOSELECTRO

ENHIM

ELECTROSHIELD-C

RTC-ELECTRO

LZVO

## STRATEGIC PARTNERS

URAL TURBINE WORKS

NEVSKY TRANSFORMER FACTORY

VORONEZH TRANSFORMER

EV-GROUP



## 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