



Train traffic support systems

Railway power supply

Field of professional activity:

- operation, production, construction, installation, maintenance and repair of power supply systems, subways, district, industrial and agricultural consumers,
- development of design documentation,
- design, manufacture, assembly and testing of new samples.

Graduates can hold the following positions:

- ❖ chief power engineer;
- ❖ chief engineer;
- ❖ head of the substation;
- ❖ director of a small business;
- ❖ contact network electrician;
- ❖ contact network electrician;
- ❖ electrician of traction substation;
- ❖ electrician of traction substation;
- ❖ electrician for the repair of overhead power lines;
- ❖ energy dispatcher;
- ❖ head of the production site for maintenance and repair of equipment, devices and systems of power supply, signaling, centralization and blocking of railway transport.

Our partners are companies for employment and internship:

- ✚ TRANSENERGO – branch of JSC "Russian Railways";
- ✚ PJSC IDGC of the South;
- ✚ Rostselmash OJSC;
- ✚ Rostvertol PJSC;
- ✚ enterprises of Transmashholding association;
- ✚ electrical substations and power plants;
- ✚ design bureaus and departments, research organizations and educational institutions, any enterprises with electrical facilities.

In the course of training, disciplines will be studied:

- ✓ Electric power industry of transport;
- ✓ Electric transport power supply systems;
- ✓ Contact network and power lines;
- ✓ Traction and transformer substations;
- ✓ Fundamentals of technical diagnostics;
- ✓ Theoretical foundations of automated control systems;
- ✓ Automation of power supply systems;
- ✓ Industrial practice, pre-graduate practice;
- ✓ Power supply and power supply of transport and industrial consumers;
- ✓ Operation of technical means to ensure the movement of trains
- ✓ Relay protection;
- ✓ Automation of power supply systems;
- ✓ Electromagnetic compatibility and protective equipment;
- ✓ Safety of technological processes.