

**RUE “BRESTENERGO”. EDBH-2**

**Vodich R. N.**, student  
Scientific supervisor – Pinchuk I. V., lecturer  
Belarusian National Technical University  
Minsk, Republic of Belarus

The republican unitary enterprise "Brestenergo" was established in May 1954, when, in accordance with the decree of the Belarusian government, the regional energy administration (Oblenergo) was organized, which included the existing small power plants and the electrical networks on their balance sheet.

Today the enterprise is a technological complex, including power plants, boiler houses, electrical and heating networks, connected by a common mode and continuity of work.

The enterprise includes:

- 7 power plants with an installed electric capacity more than 1150 MW, including 3 HPSs of 0.38 MW;
- 3 large boiler houses, where boiler units with a total capacity of more than 900 Gcal/hour are installed, the total heat capacity is 2564.47 Gcal/hour.

The balance of the enterprise is 5.8 thousand km. electrical networks with voltage 35–330 kV, more than 35 thousand km. distribution networks with voltage of 0.4–10 kV, 825 km of heating networks. The means of automation, telecontrol and telemechanization have been widely introduced. The enterprise operates more than 9 thousand relay protection devices, 3 thousand electrical devices. More than 6 thousand TV signals and 3 thousand telemetry measurements are issued to dispatch centers of all control levels. More than 2 thousand switching devices are controlled via telecontrol channels. RUE «Brestenergo» includes 14 branches that ensure reliable operation of the Brest power system, including training and advanced training of personnel, its own repair facilities, and social infrastructure facilities.