

In Russia, a new method of transmission of electricity was developed

Scientists of the Siberian State University of Telecommunications and Informatics (SibGUTI) have created a new electricity transmission system. Development, patented by a university, solves the problem of imbalance between generation and energy consumption.

The new technology uses the principle of package transmission similar to Internet communications. The electric network is organized in the form of connected hexagons, where each load node is equipped with an intelligent control module.

The key feature of the system is a bilateral energy exchange between nodes. Each connection point has three types of lines: supplying, transit and backup. In hexagonal cells, drives are built -in that perform the functions of “energy routers”.

As explained in the patent, excess energy is preserved in drives and is redistributed into components with deficiency. Stream management is carried out through a multi-level communication model, where modules are exchanged with requests and answers, like Internet protocols.

Development allows you to use the generated energy more efficiently and reduce losses in transmission.