

## **HVDC network for operating of a virtual power plant.**

*Gerasimov A. S., Izmailov R. K.*

The paper considers the principal possibility of organizing an HVDC network for the operation of a virtual power plant, which consists of a set of generation facilities located on a large territory, both traditional and renewable energy sources. The possible structure of the HVDC network, as well as the general principles of power control of such a virtual power plant, are described.

*Key words: HVDC network, virtual power plant, control system, voltage, current, power control system.*