## Concept of a virtual power plant.

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Currently in Russia, in the context of the ongoing digitalization of energy systems, there is a steady trend towards the development of small distributed generation. At the same time, the concept of a "virtual power plant" is becoming increasingly popular in the world. This concept allows solving the issues of integrating small distributed generation into large power systems. The article describes the term of "virtual power plant" for different concepts of its organization, and a general concept for organizing "virtual power plants" in the Unified Energy System of Russia is proposed. Key words: distributed generation, renewable energy sources, emergency control, regime control, virtual power plant.