

4.2. POWER ENGINEERING MARKET IN 2013

The global power engineering market¹ is currently valued at about USD 100 billion per year, and the volume of this market may expand to about USD 150 billion per year by 2030.



In 2013, the largest share of investment for new power plant equipment was spent on thermal power development. The proportion of expenses on equipment in nuclear power and thermal power is expected to even out by 2030.

The Russian power engineering market (hereinafter referred to as PEM) will follow general global trends for the next few years.

The main focuses of the power engineering market in Russia involve plans to introduce new generating capacity in accordance with the general plan for the siting of electricity facilities before 2020 and the long-term period prior to 2030 and also in accordance with the road map for the construction of nuclear power plants prepared by Rosatom State Corporation.



In addition, in 2013, the Ministry of Energy of the Russian Federation approved the Scheme and Program for Development of the Unified Energy System of Russia for 2013–2019.

According to the information of System Operator of the Unified Energy System, total installed capacity at the power plants of UES of Russia amounted to 226,470.18 MW as of the end of 2013.

¹ Forecast based on the market models of OJSC Atomenergomash.



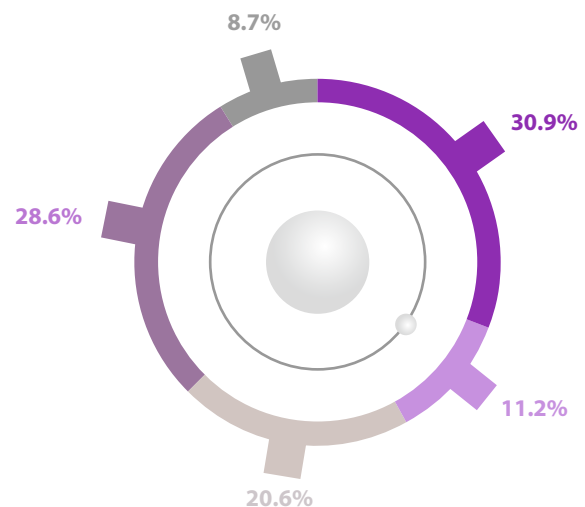
1 THE STRUCTURE OF THE GLOBAL POWER ENGINEERING MARKET BY 2030, %

2 KEY TARGETS FOR DEVELOPMENT OF UES OF THE RUSSIAN FEDERATION IN THE MEDIUM TERM

Installed capacity of UES of Russia power plants increased by 3,991.97 MW due to the commissioning of new generating equipment and the modernization of existing power plant equipment, including:

- the commissioning of new capacity of UES of Russia power plants in 2013 totaled 3,738.37 MW taking into account the power plants of industrial enterprises;
- increase in installed capacity of existing generating equipment due to modernization totaled 253.6 MW.

STRUCTURE OF THE INSTALLED CAPACITY UES OF RUSSIA POWER PLANTS BY TYPE OF GENERATING EQUIPMENT AS OF JANUARY 1, 2014



- TPP power units
- NPP
- HPP
- CHP
- GTP, CCGTP