

Annotation

The diploma project considered the construction of a thermal power plant based on a gas turbine unit with a capacity of 150 MW. The first section provides general information on gas turbine units. In the main section, the thermal calculation of the gas turbine plant is given and the parameters are determined at each point of the installation. The section "Life Safety" contains the basic safety rules at thermal power plants. The economic section indicates the total cost of building the station and the payback period.