

Annotation

The aim of the diploma project is the development of a combined power plant PGU-500 operating on gas.

In the economic section, calculations were made that showed that at a lower discount rate, the net present value and profitability index increase, and the payback period decreases.

In the section on life safety, the calculation of pollutant emissions during the operation period was carried out, and the boundaries of the sanitary protection zone were determined.