

## Annotation

In the thesis deals with the feasibility study of the GTU located in the city of Atyrau. In the thermal part, the calculation of the thermal scheme of the gasturbine unit was carried out and, based on this calculation, the main and auxiliary equipment was selected.

The implementation of this project will allow reliable provision of power to the city of Atyrau.

The project also considers the section dealing with the issues of ecology and the basis of life safety activities and the calculation of the economic efficiency of investments in this work.