

## **Annotation**

In this thesis project examined the necessary calculations to select the equipment for modernization in accordance with the technological process of tank park in department of oil preparation and transfer. Produced power calculation for selecting valve actuator. Programs of the microcontroller and the frequency converter developed to construct an automated system of technological processes in the tank park of DOPT.

A number of technical and economical calculations demonstrates economic efficiency. In addition, the project provides for measures of labor protection and fire safety of the object.