

## **Annotation**

In this graduation project describes the work on the analysis and modeling of the network using the Skybox system. In the main part, the entire network and network devices were investigated up to the technical characteristics. The network was analyzed for proper configuration and vulnerability detection. In the economic part, the total capital expenditures, operating expenses and the terms of the project implementation are determined. In the section of life safety, ways for the evacuation of workers and information about fire safety are calculated, as well as the consumption of carbon dioxide and freon composition and the rational organization of the operator's workplace.