

Annotation

This thesis project presents an analysis of working conditions and causes of accidents when working at height. Prerequisites for writing the project are modern problems associated with the uncontrolled increase in accidents and loss of life, the level of injury.

In the main part, a safety system was designed for work at heights that meets all the necessary safety requirements for construction. Also used all the latest developments in the field of safety when working at height. The calculation of hazardous areas when working at height.

In the section «Life Safety», a risk assessment was performed on the objects and the calculation of pollutant emissions during the welding process.

In the economic part of the graduation project, a feasibility study was carried out to select the type of equipment to be used at work at height, and the effectiveness of the equipment was determined during implementations.