

ABSTRACT

The master dissertation contains: 116 pages; 49 figures; 11 tables; 6 sheets of the graphical part; 27 sources in the reference list.

In this master's dissertation the calculation and selection of the reducer of the elevator winch and the frequency converter and carried out.

The basic principles of construction of the automation system, which consists of two systems – safety and control, are developed. Based on the developed control system, an algorithm for the operation of the elevator was created.

A control station that meets modern requirements and standards has been developed.

On the basis of these researches was created a start-up project.

AUTOMATION, CONTROL SYSTEM, SAFETY SYSTEM, SYNTHESIS,
STATION OF MANAGEMENT, ASYNCHRONOUS ELECTRIC DRIVE,
FREQUENCY CONVERTER.

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