

## **Annotation**

The main goal of the graduate thesis is to create software for reading data from a SaiCOM P3 device. The object of study is automation of data acquisition and transmission device DATDSaiCOMP3. The subject of study is the design process of DATDSaiCOMP3 device systems.

Thesis consists of five sections. The first chapter provides information about the corporation tools and DATDSaiCOMP3 device information. The second chapter includes designing software for the device. The third chapter is about implementing software for the device. In the fourth chapter, the basic calculations of costs for the development and implementation of a software product are carried out. The fifth chapter describes the calculation of the ventilation system to ensure life safety at the enterprise.

Using project software, the user can quickly and reliably receive data from a data acquisition and transmission device DATDSaiCOMP3 due to automatic calculations carried out by the program. The place of implementation of the developed program is Saiman Corporation LLP.