

## **Absract**

In this thesis work was developed in the LAN Center for Energy and Klimatechnik. An overview of the existing principles of networking, LAN concepts, classifications LAN SCS types, device types, network technology based Fast Ethernet. The calculation of performance local area network. Modelling of the LAN in a software environment Cisco Packet Tracer. Business plan design LAN TsEiK. The calculation of indicators of life safety.