

## **Summary**

In this thesis, questions are discussed about the technologies used in incinerators. The technologies of Siemens controllers, the HMI panels of this company, the TIA portal programming environment and other equipment related to this project are described, and a project was designed on these devices to process waste and convert flue gases to heat and energy.

The issues of life safety were considered, a business plan was drawn up and the payback period of this project was calculated.