

Annotation

In this thesis project it was investigated the production of electricity by solar panels and a digital control system of street and industrial premises lighting. Methods for the replacement of traditional energy sources with green energy sources and research of solar potential of Kazakhstan. We considered types of street and industrial lighting. Select all the necessary equipments for street lighting and industrial premises. It was developed digital circuits of street and industrial buildings lighting. It was implemented a device for illumination of industrial premises. The problems raised in the economic and safety sections were resolved.