

Construction of Electronic System Engineering Networks at the site "Territory Improvement No. 10 and Building Construction in Seces parish, Aizkraukles district"

The project envisages to construct the internal and external communication networks, the security alarm and access control systems, the video surveillance system.

The construction of the electronic communication networks does not include active equipment of the network and other computer hardware. The KCP (Control Checkpoint) is intended to construct an optical fibre cable network and a twisted pair copper cable network. The cable trunk and the cable routes to the switch cabinet will be constructed within project "Territory Improvement No. 10 and Building Construction in Seces parish, Aizkraukles district". A guaranteed power supply connection is provided for the switch cabinets (KPC and security system cabinets).

Four twisted-pair sub-network cables and two fibre-optic cables are to be installed per workstation. All cables are intended to be installed openly. After installation, testing, and inspection, the cable trays must be closed, and the user will seal them.

All elements and materials of the network shall comply with the requirements of ISO/IEC 11801, ANSI/EIA/TIA 568A and CENELEC EN 50173 / EN 50174 -1/ -2/ -3 standards, its compliance with all technical standards required for Cat6-FTP and optical cable networks (Multi Mode and Single Mode), and ensuring compatibility with the corresponding active elements of the network.

The security alarm and access control systems are intended for the KCP and communication enclosures within the site's territory and perimeter. The models and types of equipment and hardware to be used shall be agreed upon with the user or the proponent at the initial stage of the construction project.

The automatic control and management device is the Inner Range Integrity panel with zone extenders. It is intended to install motion and glass-break detectors in the rooms and at the entrance points. Door access control – non-contact readers.

System programming shall be carried out, after agreeing with the user on the operating principles of the security system, the number and definition of districts and the access levels of the door access control system.

The video surveillance system. The buildings are intended to be monitored both indoors and outdoors, the building facades, the entrance points and the perimeter of the buildings. The surveillance system is intended to be integrated into the common management system.

As part of this construction project, all security systems shall be coordinated and integrated, and after the completion of the work, personnel training shall be carried out.