

SUBSTATION AUTOMATED CONTROL SYSTEM

Areas of Application

The system is designed for automated monitoring and control of electrical substations

Specification

The main ACS subsystems are as follows:
Automated dispatch control system;
Automated system acquisition of data received from microprocessor relay protection devices and electrics;
Emergency events registration system;
Transient mode monitoring system;
System of data transmission to the upper hierarchical levels;
Automated control system of high-voltage bush insulation;
Substation's needs monitoring system;
Automated system of dispatcher reporting and online documentation formation; and
System of process and security CCTV



Control room at the *Kyiv* 750kV substation

Stage of Development. Suggestions for Commercialization

IRL7, TRL8
Development of project, manufacture and delivery of equipment, assembly and commissioning works, staff training, as well as warranty and post-warranty service of the ACS are provided, upon request

Advantages

The developed ACS is a brand new full-featured automated complex that provides a dramatic reduction in labor costs and an increase in the substation reliability. The system is unique in Ukraine and meets the highest international standards

IPR Protection IPR1, IPR2

Contact Information

Volodymyr V. Bryl, Institute of Electrodynamics of the NAS of Ukraine;
+38 044 366 25 70, e-mail: brylvv@ied.org.ua