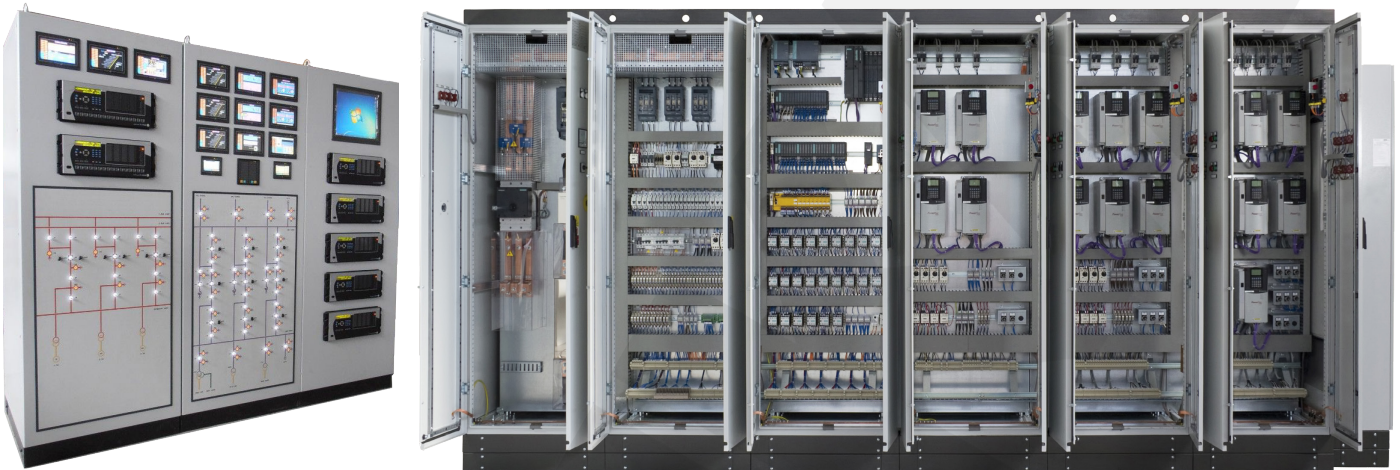


CONTROL & AUTOMATION PANEL



TECHNICAL DATA

Rated Operating Voltage(V): Up to 690V
Rated Insulating Voltage(V): Up to 1000V
Rated Impulse withstand Voltage(kV): Up to 12kV
Rated Frequency: 50/60 Hz
Busbar Type: Pure Copper Bars, with 99,9% conductivity
Rated Current for Main Distribution Busbar(A): Up to 6300A
Conditional Short Circuit Current: Up to 100kA @ 0.2PF
Rated Short-time withstand Current: Up to 100 @ 1sec
Rated Short-time withstand Current: Up to 65 @ 3sec
Incoming Feeders: Up to 6300A
Distribution Feeders: Up to 6300A
Prospective Short Circuit Current: Up to 100kA @ 300ms
Form of Separation: Up to 4b
Ventilation: with Fan / Natural
Skid Base Height: Up to 300mm
Frame Thickness: Up to 2mm
Sheet Metal Material: AluZinc Steel, Electro Galvanized, Stainless Steel
Surface Protection: Electrostatic Powder Coating / Epoxy
Panel Mounting: Free Standing Only
Ambient Temperature: 40°C
Relative Humidity: max. 50% at 40°C
Product Standard: IEC 61439 1-2, IEC 60529 IEC62262, IEC 61641, IEC60068-3-3, IEC60068-2-57, IP65, IK10

INTRODUCTION

Control and Automation Panel is a feeding system known as the main electrical cycle for any commercial building or a house. After the main cable comes to the automation panel system, it is transferred to the next circuits and dispersed by the breakers. Every device at this point must have a proper power distribution in order to give the best performance. In this way, it becomes possible to distribute electricity correctly. Automation panels combine the functions of a programmable controller and operator interface into a single unit.

APPLICATION

- Power Generation
- Transmission
- Distribution Substations
- Water and Waste Water Treatment Plants

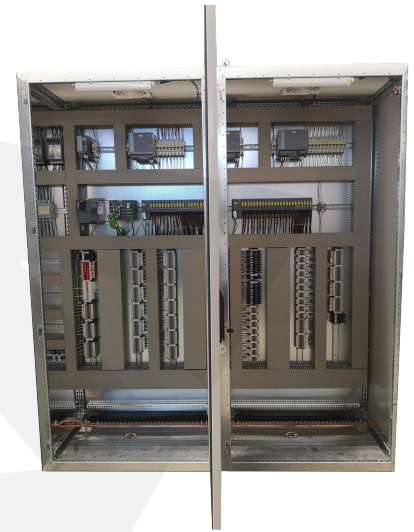
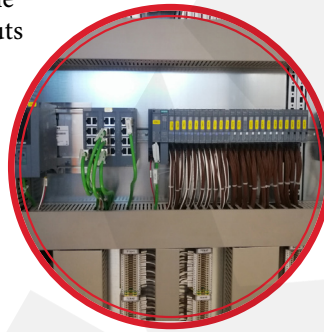
TYPES

- Programmable Logic Controller (PLC Panel)
- Scada / RTU Panel (Scada / Remote Terminal Unit)
- Automation Control Centers (ACS)
- HV / MV Secondary Protection & Control Panel



PLC Panel

Programmable Logic Controller (PLC) is essentially a CPU contained inside the control panel. This unit is the brains of the control panel, providing monitoring and control of the various mechanical processes. It will include various inputs and outputs to and from mechanized functions of the production equipment.



Scada / RTU Panel

RTU stands for Remote Terminal Unit (also called Remote Telemetry Unit or Remote Telecontrol Unit). A RTU is a microprocessor based device that monitors and controls field devices, that then connects to plant control or SCADA (supervisory control and data acquisition) systems.



ACS Panel

ACS panels are designed to control all kinds of technological applications in industrial facilities in the most appropriate way.



HV / MV Secondary Protection Control Panels

DEMKA can supply Control Panels, Protection Relay Panels, LCC Panels, Marshaling Box from 3.3 up to 500kV according to international standards. DEMKA can also provide project design, test, and commissioning services.