



SCADA AUTOMATION & RTU



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Presentation
Catalog

KESiR Engineering, that is pioneer in sector, serves to customers compactly in process of drawing SCADA-Automation projects, producing panels and making tests of them in site and commissioning.

Kesir Engineering continues to be proud of Turkey, with most modern SCADA, Automation and RTU systems by following technology closely.

KESiR Engineering, presents turnkey solutions thanks to 21 years experience in energy sector. We carry out the firsts with aid of our experiences in hydraulic, wind, natural gas combined cycle, thermal and geothermal power plants. We serve to customer in process regarding drawing automation projects, generating PLC and synchronization systems, preparing automation panels in Worksite and energy production. This process includes making cold tests of hydraulic power plants too. We use our knowledge with newest technology and equipments while implementing projects with the most profitable and efficient way.



SCADA AUTOMATION

Easy and safe generation and management is available, in the case of managing process truly and controlling it in every steps, in industry. While planning a process like this way, automation is best assistant for most controllable and quality production with less manpower.

Our base activities in hydraulic power plants are the followings:

- ✓ Water level control,
- ✓ Turbine controls and monitoring,
- ✓ Monitoring Dam and regulator structures and gate automation,
- ✓ Synchronization of grid and generator process,
- ✓ Excitation, governor and turbine generator auxiliary system Control and monitoring,
- ✓ Applications of energy monitoring and automation,
- ✓ Control and monitoring of protection relays and analyzers,
- ✓ Monitoring of drainage systems and automation applications,
- ✓ Cooling Water Process design, control and monitoring,
- ✓ Preparing the operating modes,
- ✓ Preparing Fire and Security systems,
- ✓ Monitoring and control of thesis,
- ✓ Monitoring and control of Heating and ventilation system,
- ✓ Monitoring and control of diesel generator and station transformers.



SCADA Scope of Works

Scope of Ancillary Services Works

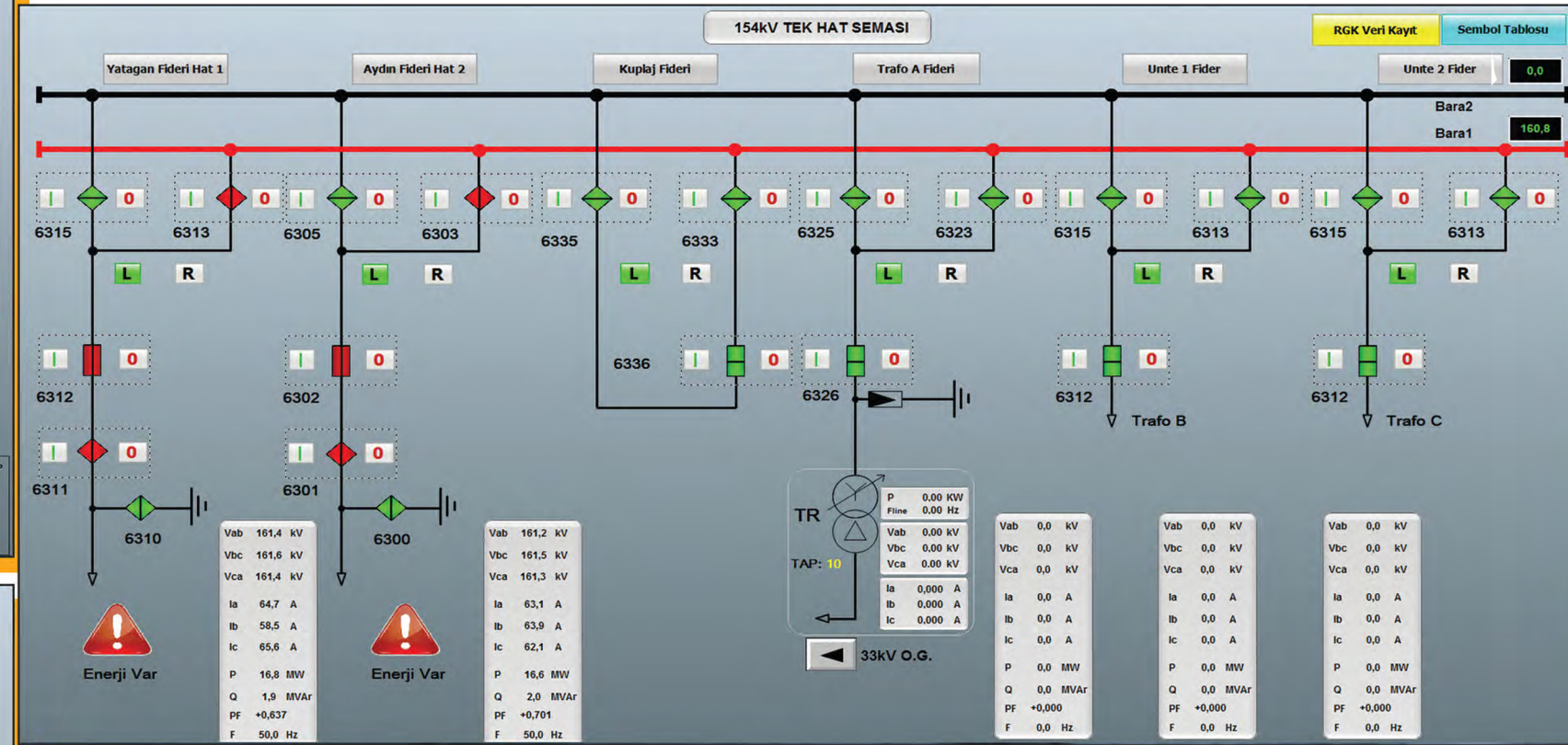
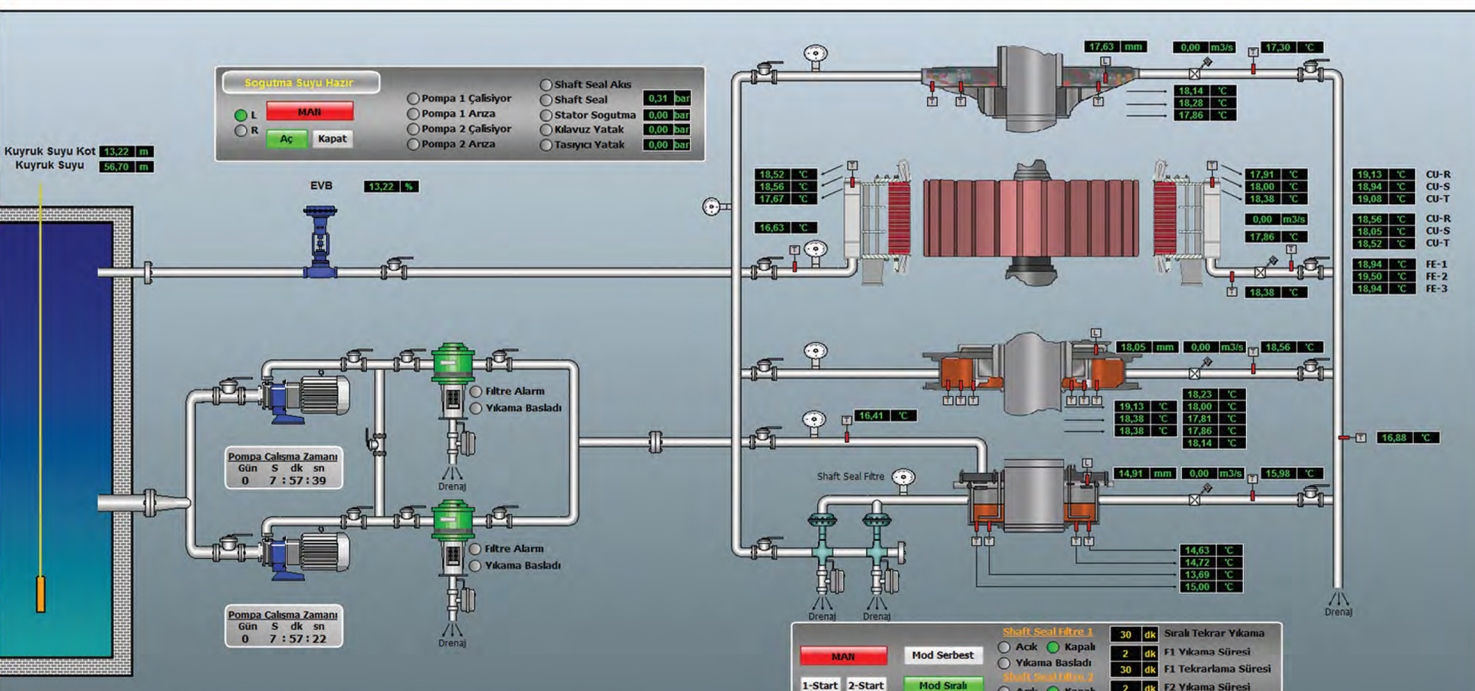
- ✓ Primary Frequency Control
- ✓ Secondary Frequency Control
- ✓ Reactive Power Control
- ✓ Energy Monitoring and Process Scada Systems
- ✓ Management and Monitoring of consumption datas
- ✓ Data Recording Systems
- ✓ Systems Reporting
- ✓ Data Recording and Data Collection Procedures
- ✓ Scada and Automation solutions far customer requests
- ✓ Remote support and Maintenance
- ✓ Time synchronization

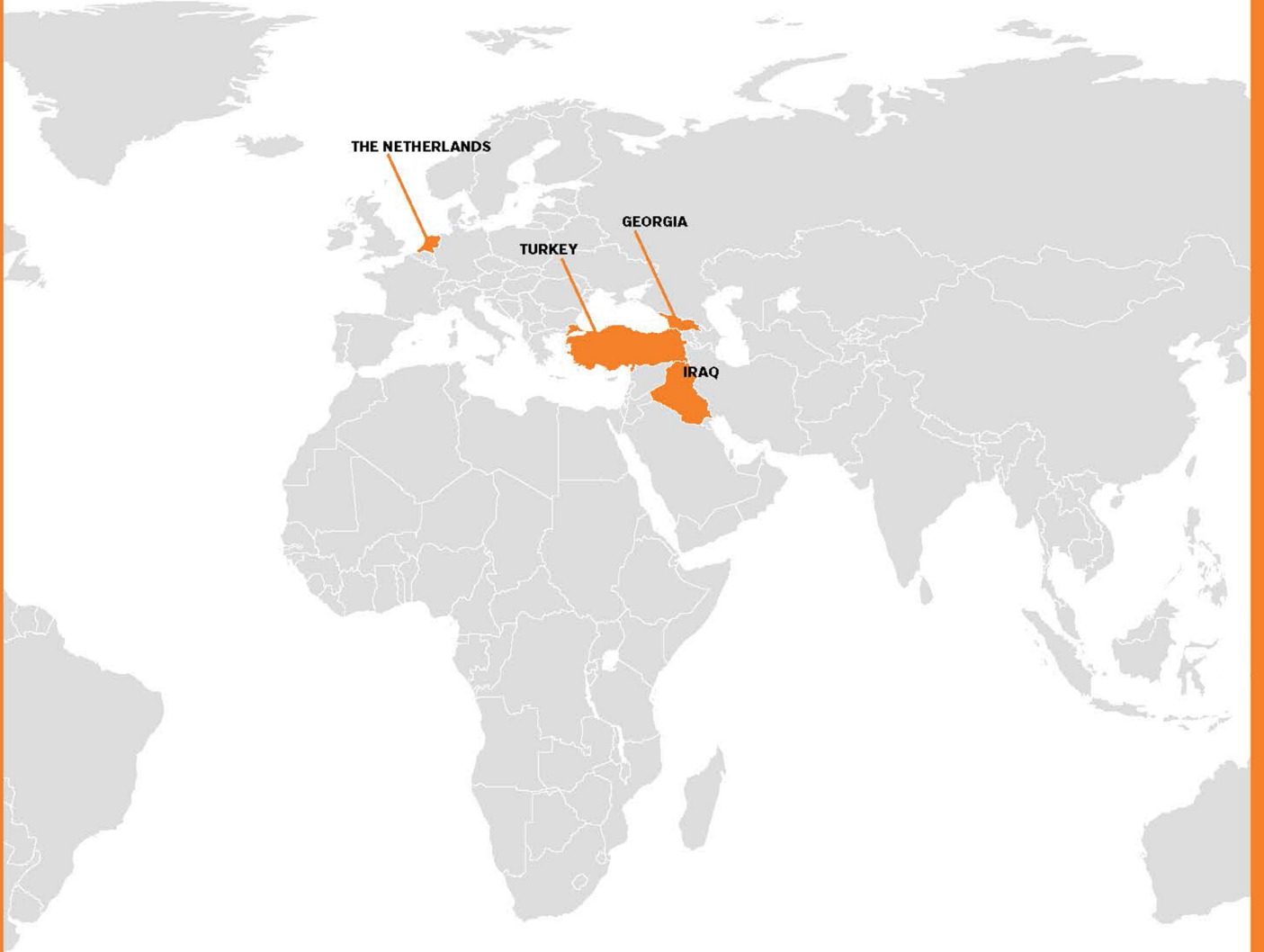
RTU (Remote Terminal Unit)

Remote terminal units : in a Scada system RTU - Data Collection and Inspection Unit, The center is located collects information on system variables, stores, this information needed to the control center through a particular medium of communications the sender, applying the commands from the control center is a SCADA unit.

Scope Of RTU Works

- ✓ IEC 61850 and Communication Applications
- ✓ Power Plants, TEIAS RTU communications solutions
- ✓ TEIAS ancillary Service solution in power plants
- ✓ Substations communications and Scada
- ✓ DCS Applications
- ✓ RTU Panel Manufacturing, internal of panel cable tests, panel Mounting
- ✓ Micro Scada [ABB], WinCC [SIEMENS], Zenon [Copa-Data], Cimplicity [GE]
- ✓ Sprecher Automation [Copa-Data] Applications
- ✓ With TEIAS RTU Point to Point Tests
- ✓ Preparing RTU Secondary Projects and Signal Lists





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