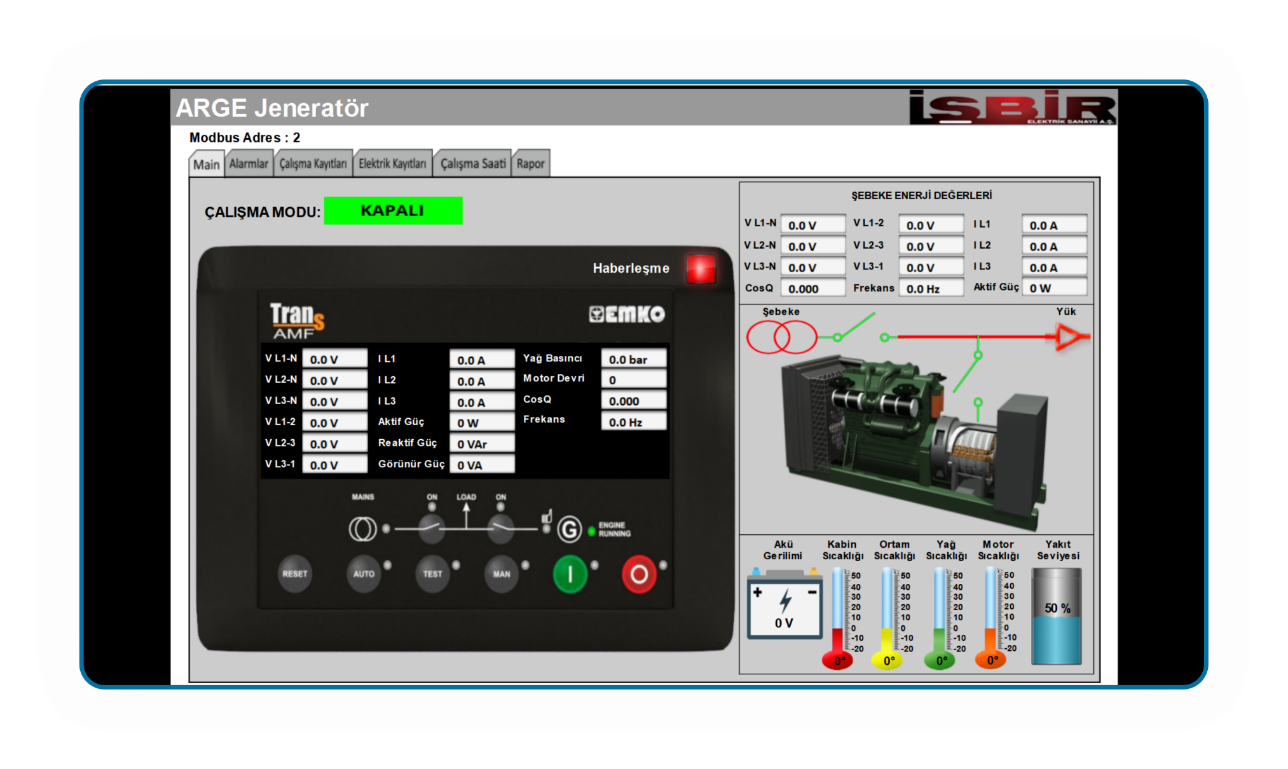
**TEI TUSAS ENERGY MANAGEMENT SCADA PROJECT**

* Manual or automatic operation of thermal magnetic circuit breakers according to 56 different scenario situations
* Value monitoring and breaker control of a total of 31 feeder protection relay devices are performed.
* Monitoring of 75 energy analyzers in total
* Tracking the value and step information of a total of 6 reactive power control relay devices.
* Tracking of generators
* UPS's tracking
* Tracking reports of electricity meters instantly, hourly, daily and monthly
* Monitoring of transformers instantaneous temperature and absolute temperature values

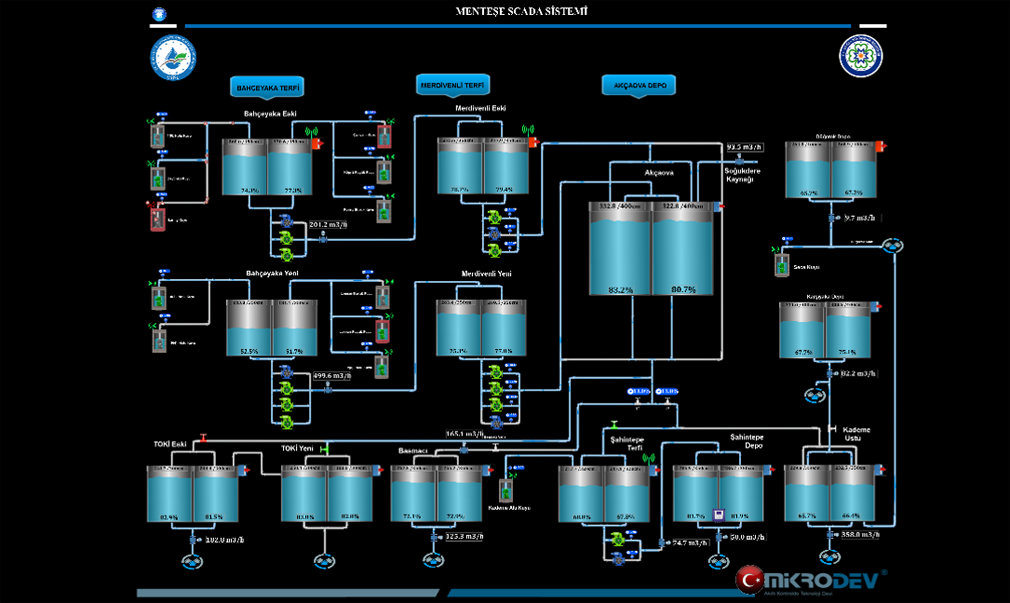
**CONTACT :** Mr. Mehmet Dogan – SCADA Team Leader **MOBILE :** +90 542 375 68 01



# Mugla City Water and Sewerage Administration / Water SCADA System

* Setup communication between RTU440s-wells-lifted pumps-tanks (via Modbus TCP Master- Slave)
* Remote monitoring and control of wells,lifted pumps and tanks via ViewPLUS SCADA
* Automatic control of wells and lift pumps according to tank level
* Data transmission to Viewplus SCADA via IEC 60870-5-104 protocol
* Control and monitoring systems over operator panel (HMI) for local users
* Logging via RTU440 with IEC 60870-5-104 and auto sending logs to SCADA
* Alarm monitoring, alarm verification, alarm acknowledgment and adding acknowledge notes
* Monitoring of the energy analyzer
* Monitoring Left-Chlorine devices via ViewPLUS SCADA over Modbus TCP
* Monitoring flowmeters’ instantaneous and total flow values
* Controlling pressure safety of well-lift pumps
* Monitoring and control of different brands (IDS, ABB and Siemens) RTUs and PLCs from ViewPlus SCADA with Modbus TCP and IEC 60870-5-104  Controlling pump operation safety according to minimum and maximum tank levels
* Time and event-based reporting
* Tabular and graphical reporting
* Reporting filters
* Statistical reporting
* Compare data on different timescales on reports

**CONTACT :** Mr. Serif Ali Demirtas – SCADA Team Leader **MOBILE :** +90 506 755 42 33

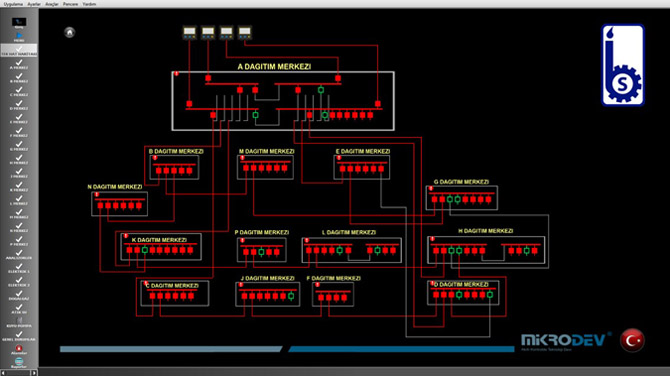


# INEGOL OIZ - 34.5 KV Medium Voltage Power Distribution Network SCADA System

* Reading the data of cells in transformer substations via RTU340 (IEC 61850 MMS Client)
* Motorized circuit breaker control and fault detection
* Instant data transfer to ViewPLUS SCADA over IEC 60870-5-104 protocol
* Monitoring rectifier alarms and fire alarms in substations
* Monitoring the energy analyzers
* Monitoring electric meters
* Monitoring natural gas meters
* Monitoring the waste-water flow meters
* Monitoring the water meters
* Monitoring and control of clean water wells

**CONTACT :** Mr. Sebahattin Fazlıoglu – General Manager **MOBILE :** +90 532 357 14 10

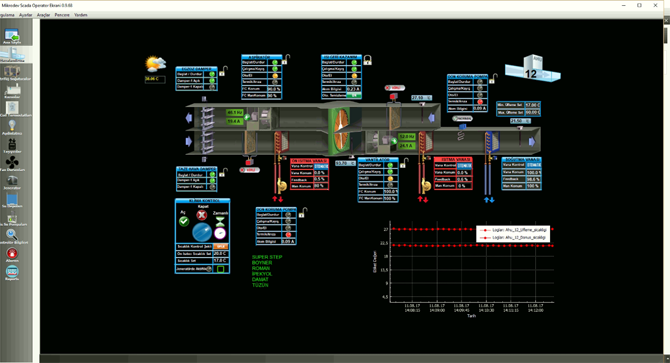


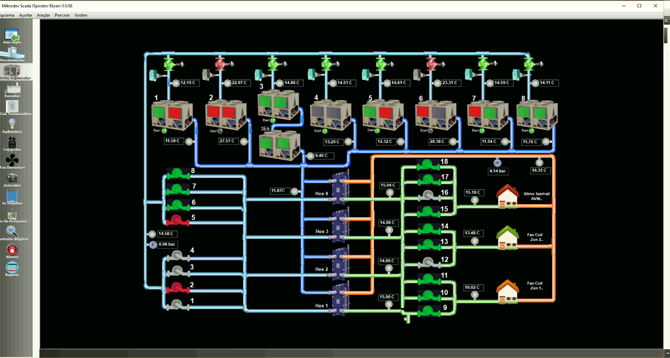


# ANKAMALL AVM - Building/Mall Automation System

* Whole systems in the Mall can be controlled either manually or automatic per time values
* Easy to use Android and Windows Desktop based user applications for system monitoring and control
* Observance of Alarms, Alarm Acknowledgement and Attaching a Note to an Alarm Acknowledgement
* Monitoring of power analyzers
* Monitoring of Temperature and Pressure data over ViewPlus SCADA app
* Remote Monitoring and Control of systems such as Illumination, Chiller, A/C Control Center (AHU), Chamber, Exhaust Fan, Clean Water, Fire, Generator, Analyzer, Escalator, thanks to ViewPlus SCADA

**CONTACT :** Mr. Bilal Alieceoglu – Mechanical Systems Director **MOBILE :** +90 537 399 67 72





# ISTANBUL METROPOLITAN MUNICIPALITY – Smart City

# Park and architectural lighting are monitored and controlled.

# Tracking of inverters used in renewable energy systems

# Monitoring of power analyzers

# Tracking of generators

# Tracking elevators and escalators

# Remote Smart Water/Energy Metering

**CONTACT :** Mr. Hasan MANCAK – IT Manager **MOBILE :** +90 532 611 05 45

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