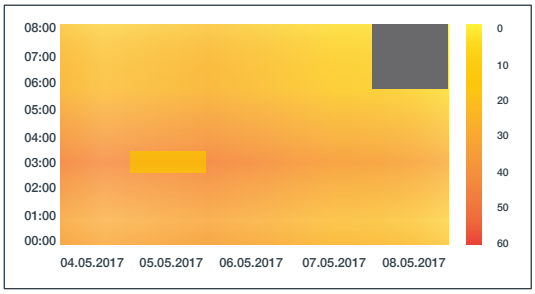
retmon DCIM

Everything is under control.

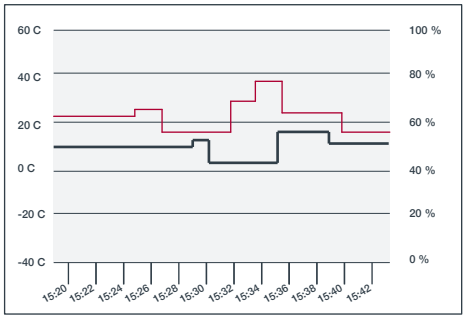
Central
Monitoring system

What's Retmon DCIM ?

Retmon DCIM is the software that analyzes and manages Data Center operations. It can monitor and manage the Data Centers or System Rooms in different regions as a master. It is software that enables reporting and monitoring of all critical situations that need to be audited for system continuity such as temperature map, humidity map, UPS status, air conditioning activities, momentary energy situations and so on.



Retmon DCIM has Data Center Asset Management, Cable Management, Job Order Tracking, Change Management modules that allow full management of Data Center areas.



Retmon DCIM is a structure that allows identification of remote limit values, modification of corridor plans and loading of devices. It is managed via a standard web browser to provide management simplicity. It supports all systems of vital importance for data centers such as security switching systems, closed circuit camera systems, energy room management systems. It allows for single-centered monitoring of these systems and contingency plans.

Retmon DCIM system supports SNMP and Modbus TCP/IP. It can be opened and supported in different general and specific protocols if desired. This support can be in the form of an add-on without having to update the version.

What does Retmon DCIM offer?

- Monitoring of data center or system room conditions, live image monitoring with 3D thermal maps.

- Data center input-output information to be monitored in a controlled and secure way.

- Calculation of data center energy consumption and power distributions and creation of alarms.

- Follow-up of power interruptions via single line scheme.

- Listing and management of assets in the units in the Data Center.

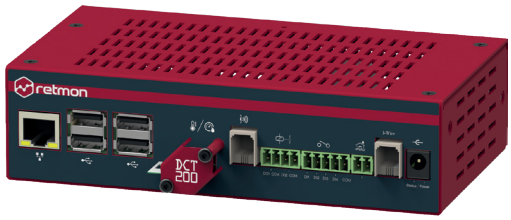
- Automatic notification of changes in assets, maintenance times and warranty periods in advance.

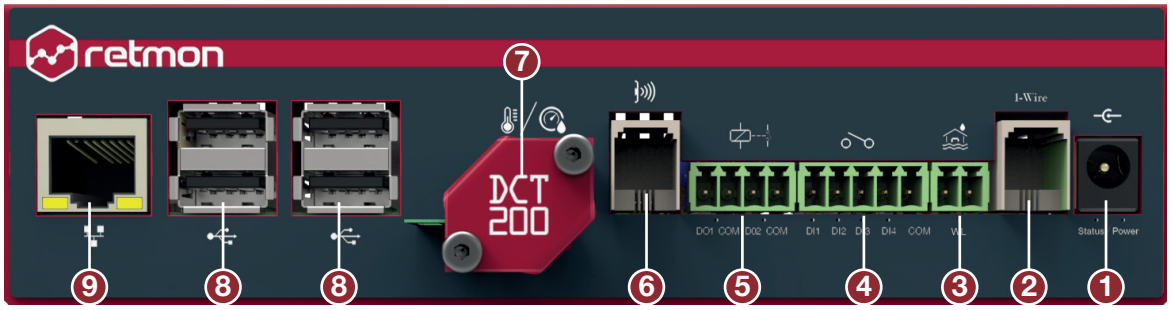
- Delivery and registration of work orders created for data center management to related persons.

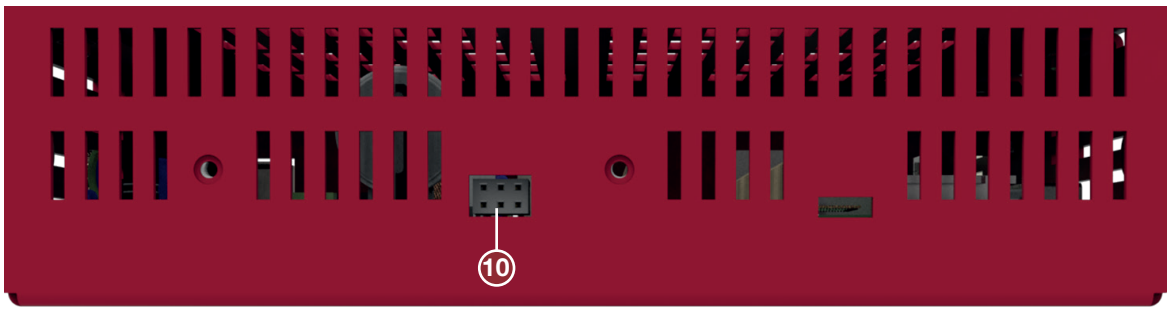
- Establishment of the management and topography of the cables connected to the assets.

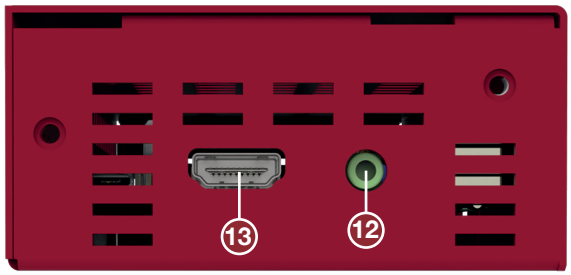
Data Collection Terminal

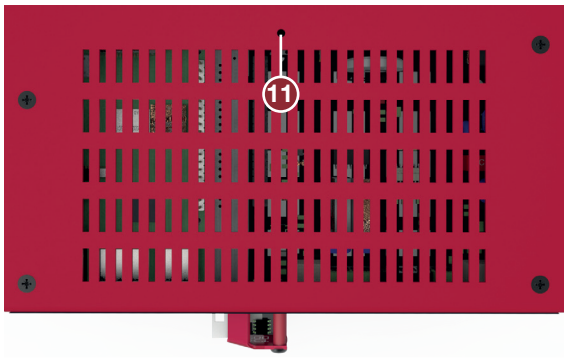
From the built-in sensors and external components records, archives and analyzes the data. Warn if necessary.





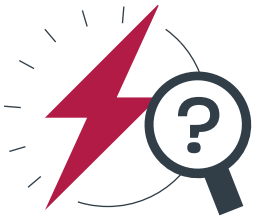






01- DC Power Connection	08- USB 2.0
02- 1-Wire Digital Sensor Connection	09- 10/100 Ethernet
03- Water Leak Sensor Connection	10- Replacement Battery Port
04- Digital Input (DI1, DI2, DI3, DI4)	11- Factory Reset Button
05- Digital Output (DO1, DO2)	12- Audio Output (3.5mm)
06- Infrared Receiver / Transmitter Port	13- HDMI Port
07- Temperature and Humidity Sensor	

Energy Monitoring



The Retmon energy system allows you to monitor your energy distribution system online via a single line schematic. With the dry contact information from the breakers, you can see which line is active, which is inactive and can be changed manually. The Retmon Energy system can report your consumption information according to the desired time interval (instant, daily, monthly etc.) by looking at the data coming from your energy distribution line. Thus, you can measure your energy efficiency.

The Retmon Energy system provides you with information on vital data such as fuel information, battery status information, etc. from power generators and UPSs in your energy distribution system and helps you prepare a preliminary emergency scenario.

Reporting

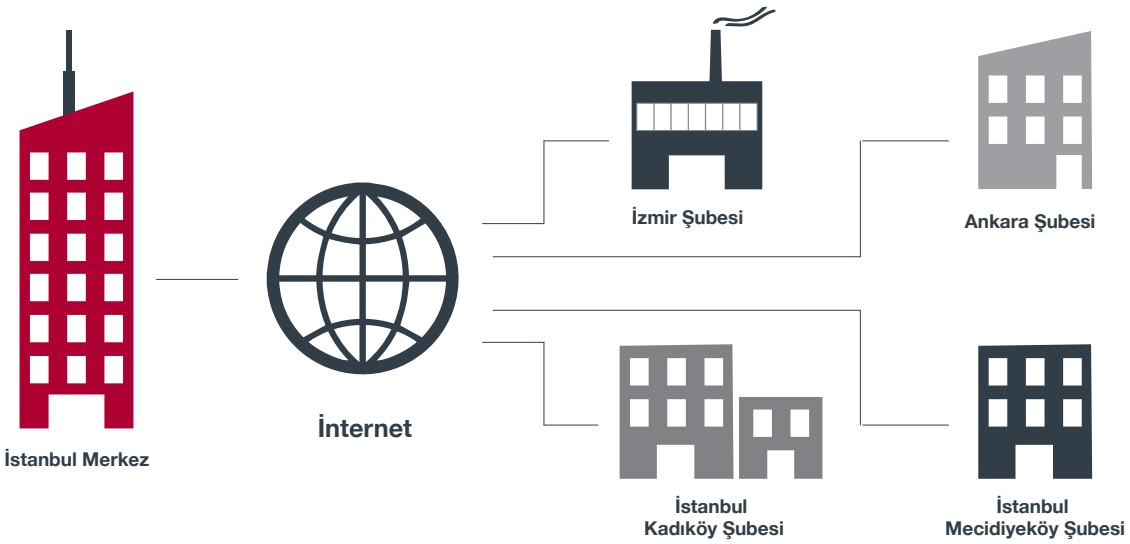
The tools available under the Reporting module allow you to list all work orders, changes, and data that are recorded retroactively. Reports are important for recording and tracking generated data and provide periodic control of data center management. In addition to this, precautions can be taken against emergency situations with the reporting management which is defined by the parameters in the system.

It has reports on the alarm range, temperature and humidity values, PDU and Energy values, which are generated on the basis of the selected range and unit location and the date range determined in the reporting system. When an emergency situation arises due to the established alarm scenario, it may periodically send an e-mail or SMS to the related units. In order to generate an alarm, limits can be defined on the upper and lower limits and how many times it should be observed.

Monitoring and Management Center

Retmon DCIM is based on the principle of collecting, storing and reporting the rooms, facilities, buildings, data on the internet, digital, analogue, Modbus and SNMP protocol.

Retmon DCT200 reaches to the system through the PLC, energy analyzers, PDU and sensors such as temperature, humidity, water leak, connected to the data collection unit, reaches to Retmon communication and event management service.

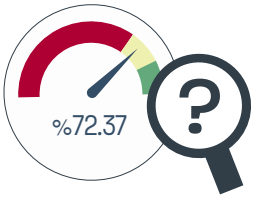


Alarm Management

The Alarm System Module works with the user-specified scenarios. These scenarios can change sensor, input conditions and output actions, threshold values individually or in groups. Different alarm levels can be determined with the alarm system and different actions can be requested at each level. When this structure needs to be able to define very complex algorithms. It executes the rules or rule sequences written in java script language.

Alarm rule management can receive or give information from another system. Integration with the other systems to communicate with the alarm rule management system can access the database of the 3rd system. Time-based alarms allow the necessary maintenance procedures to be followed.

Energy Consumption and Reporting

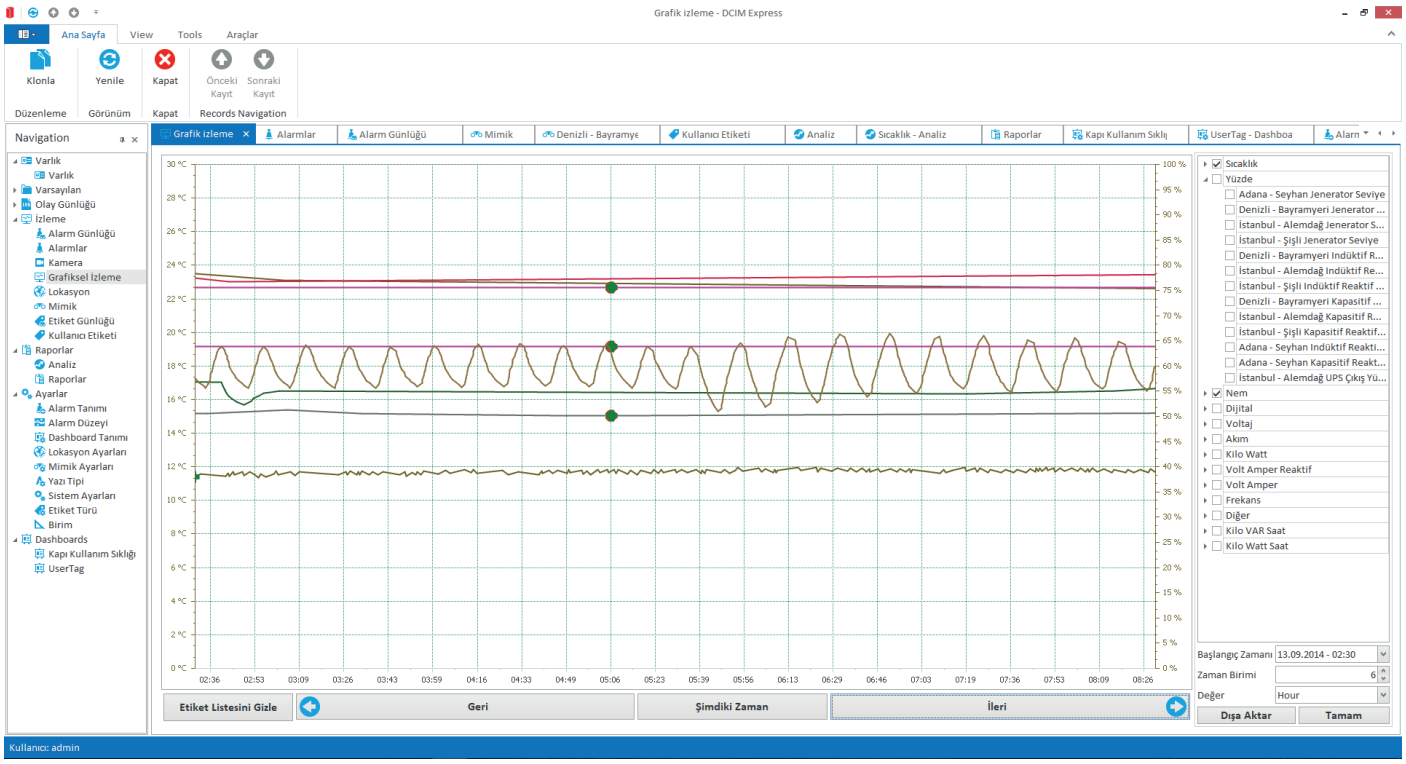


Retmon provides easy access to electricity consumption details (current, voltage, power coefficient, harmonics) and allows you to manage the system on demand. It can generate reports. The PUE values of the data center or other fields can be monitored online.

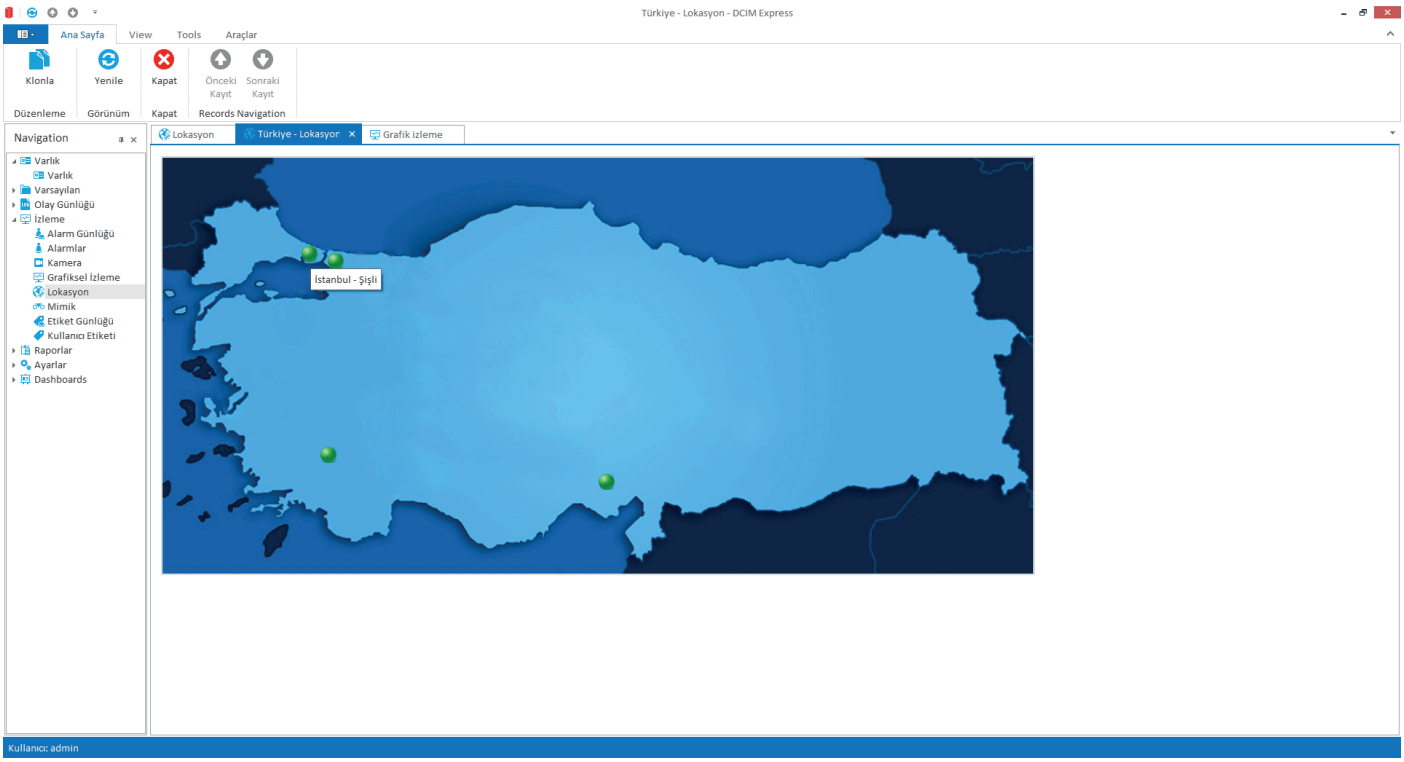
Required data are collected from energy analyzers or counters via SNMP, Modbus RTU and TCP / IP. All data can be saved independently of each other at the desired frequency. This ensures that the critical data is at the desired resolution. Insignificant data do not occupy space in the database.

DCIM Software Screen Views

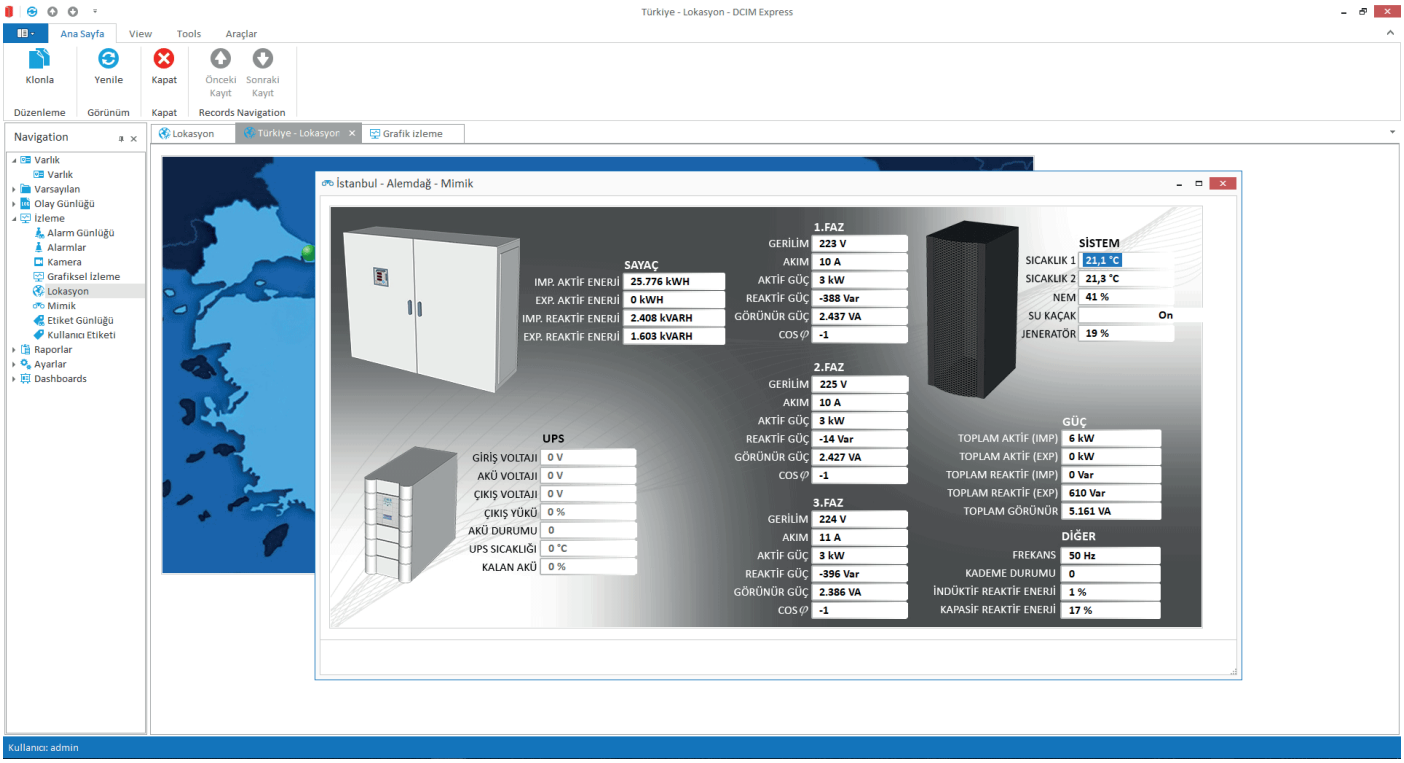
Graphics Monitoring



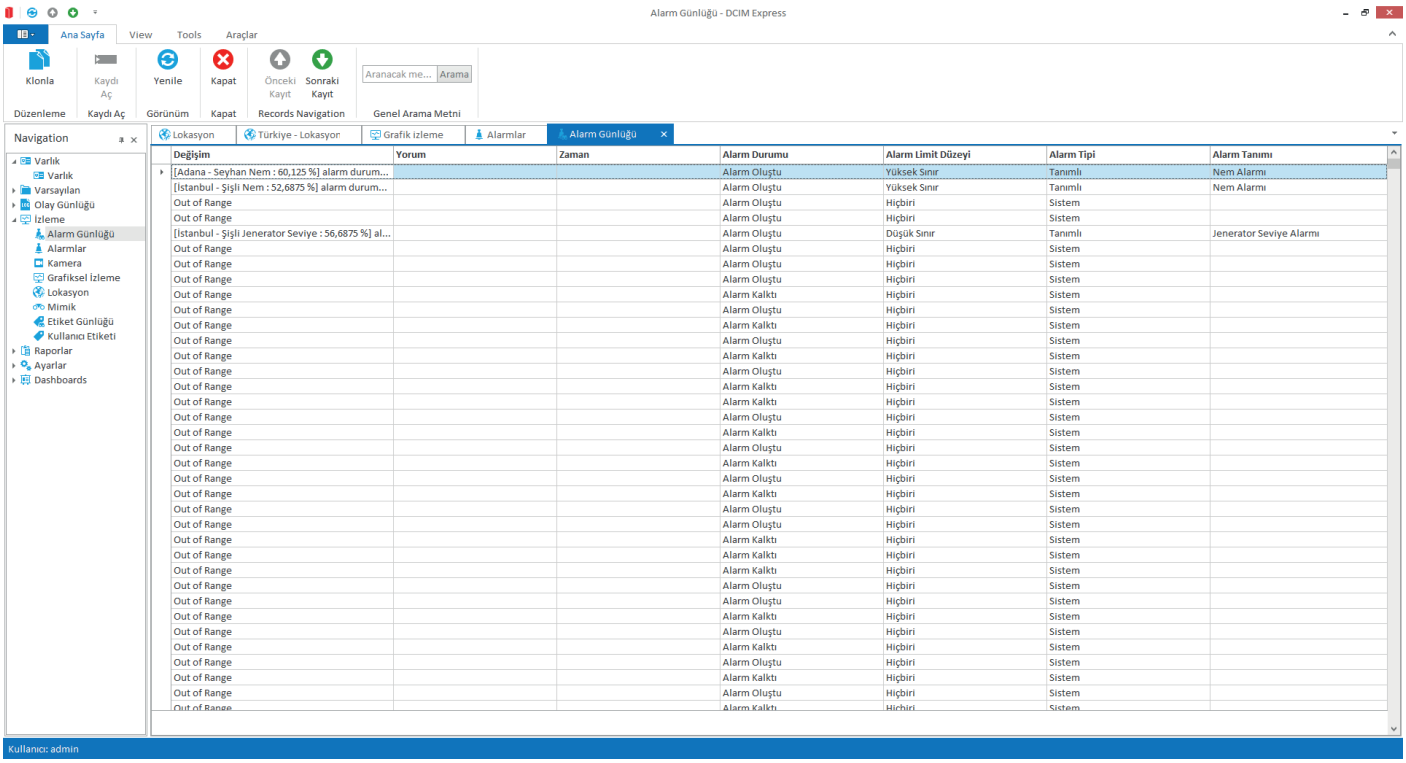
Location



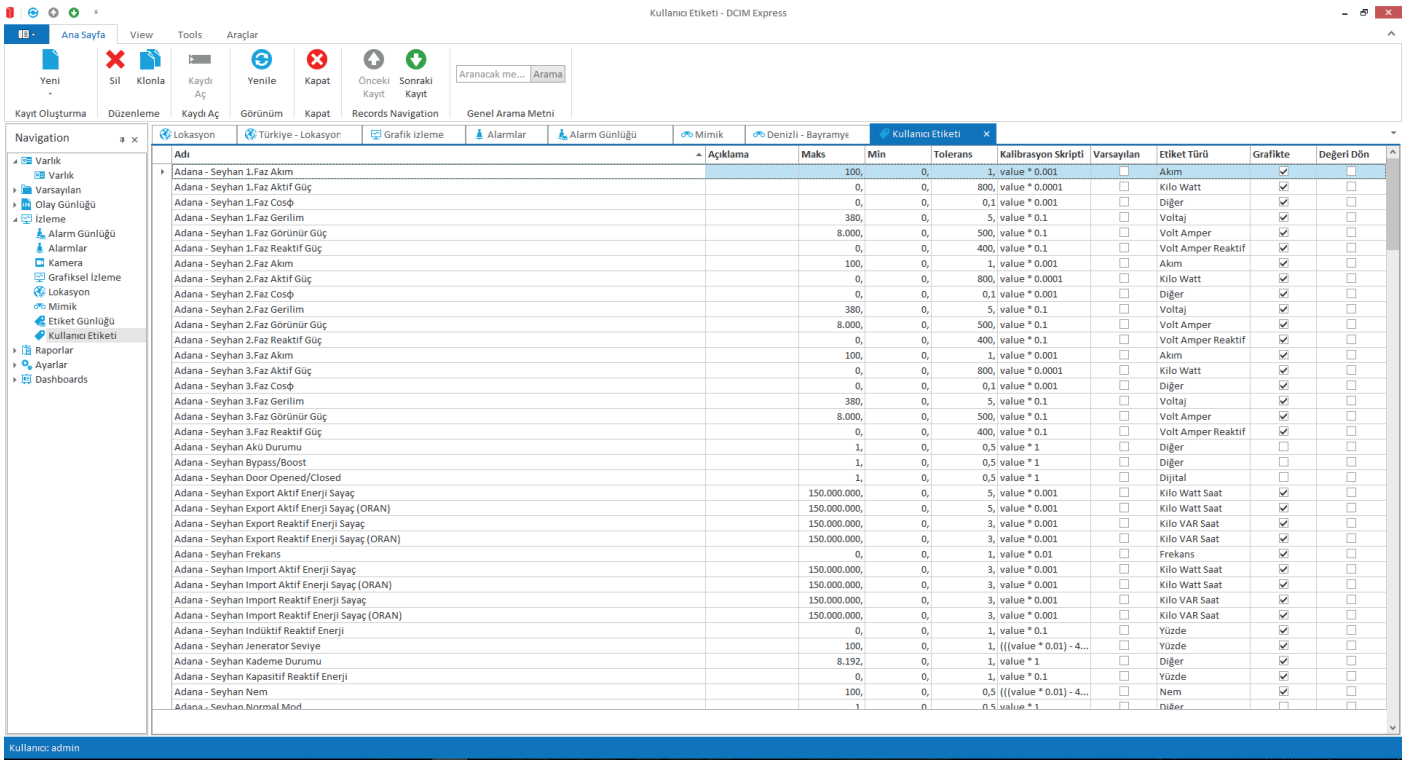
Mimic Display



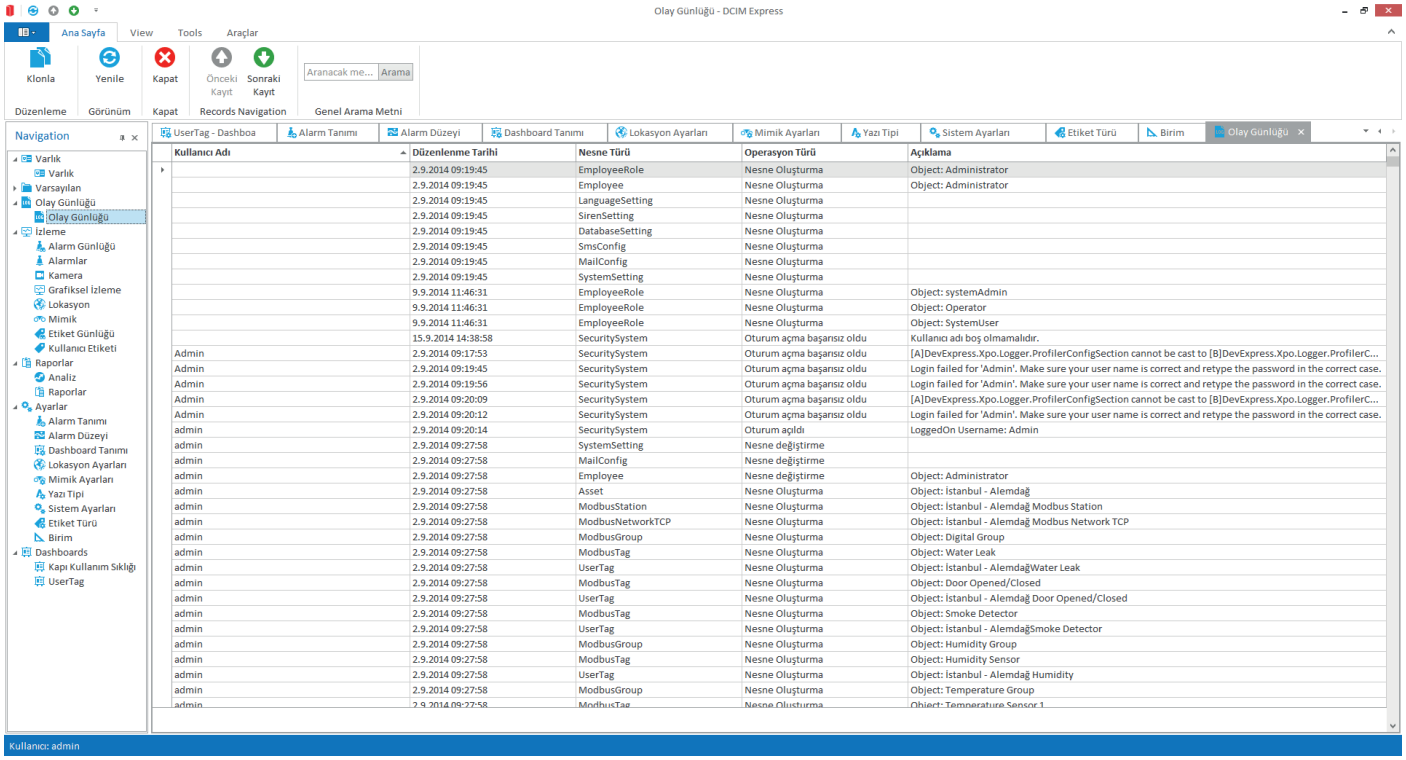
Alarm Log



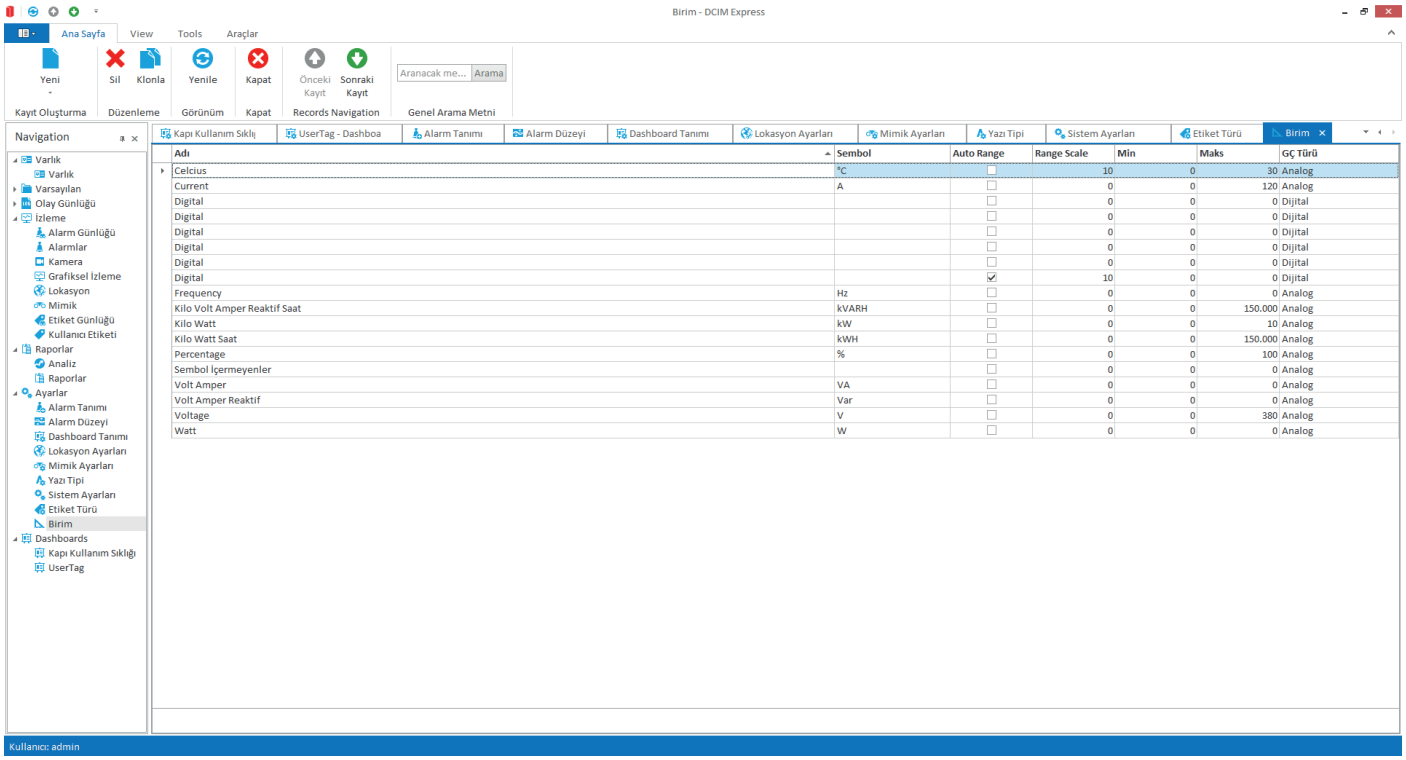
Tag Editor



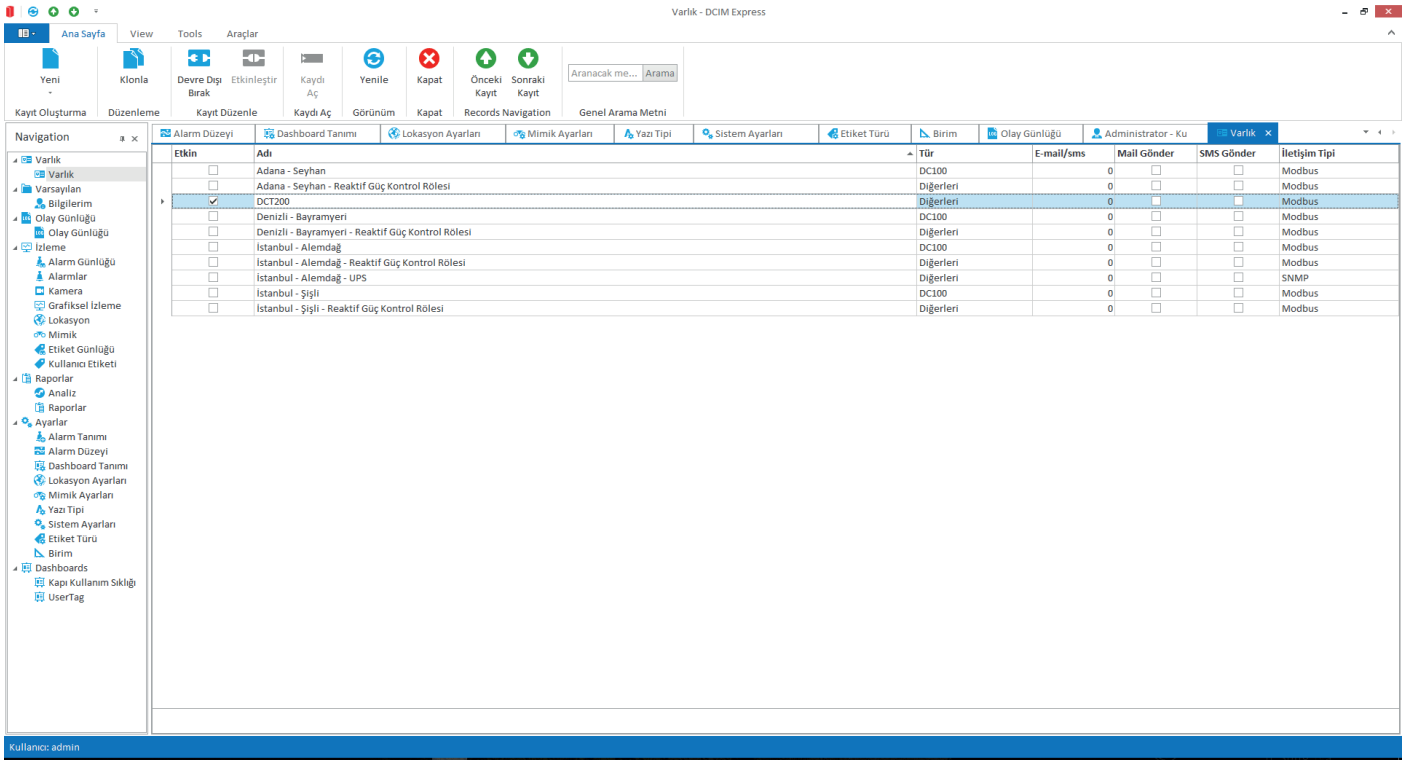
Event Log



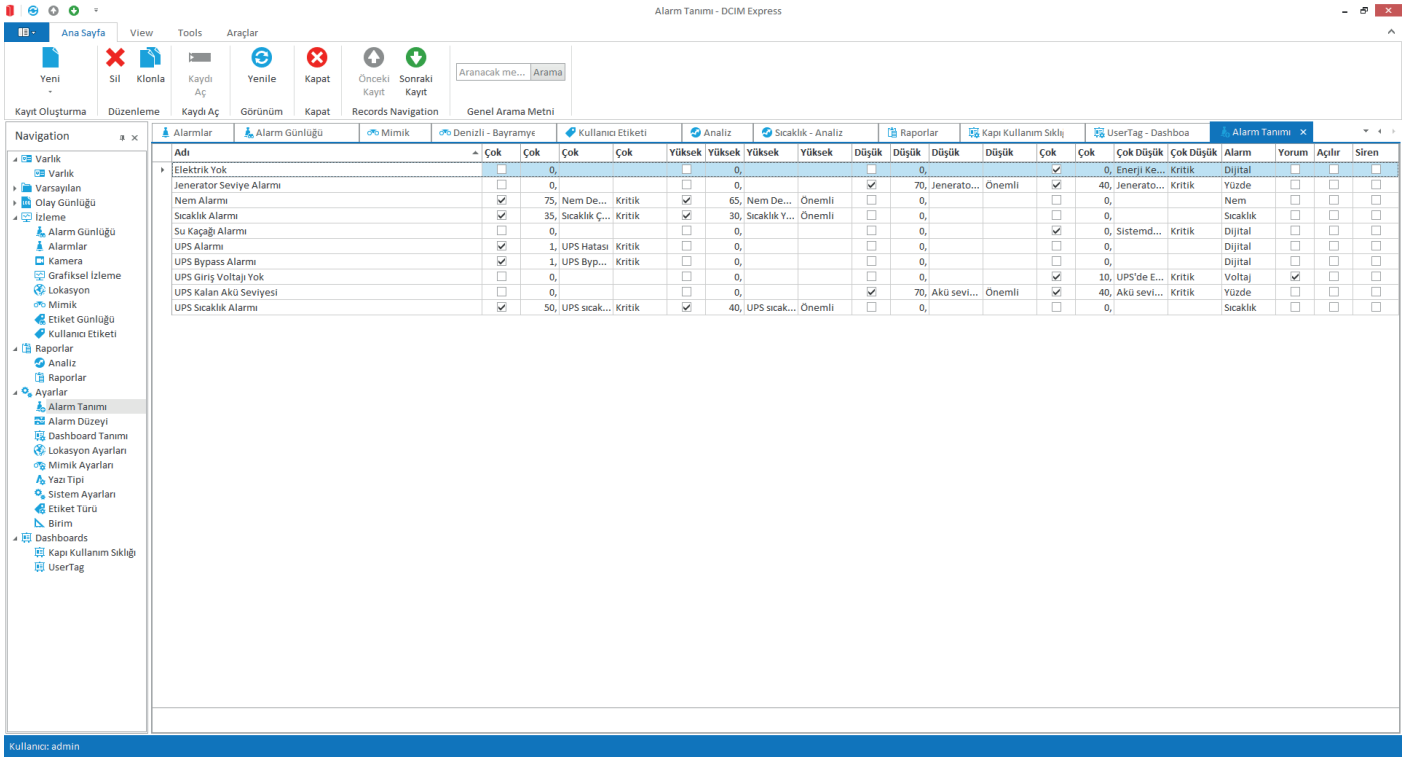
Units

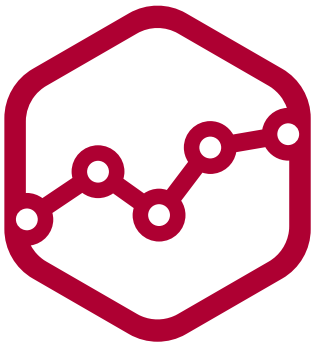


Asset Management



Alarm Definitions





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konzek
keep it short and simple