UNUM
GENSET

REMOTE GENSET MONITORING & DATA ANALYTICS

ADVANCED FUEL MONITORING

UNUM GENSET is a software & hardware solution for remote genset monitoring based on the UNUM IIoT Platform.
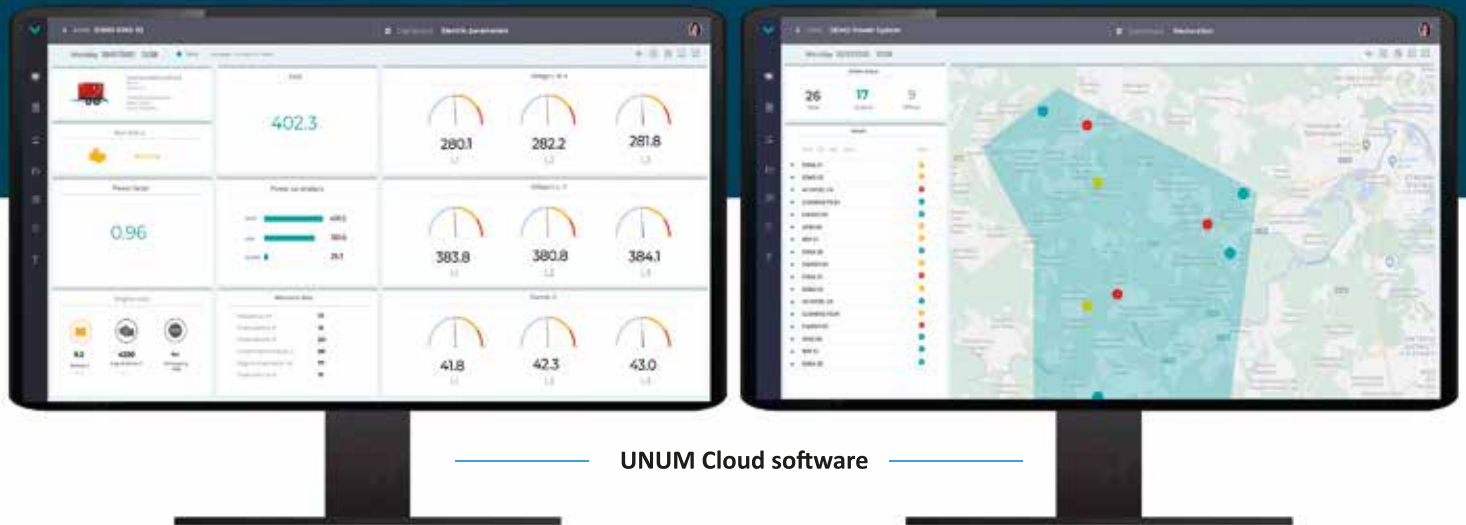
APPLICATION GOALS:

- **Improving efficiency of generators and fleets**

- **Optimization of operating costs**

- **Predictive diagnostics and service cost reduction**

- **Accumulation and analysis of big data**

For more information about the UNUM IIoT Platform, visit: **www.unum-iot.com**

Real-time monitoring of more than 400 genset parameters, breakdowns and geolocation. Monitoring of group operation.

Detailed reporting.
The system stores and analyzes data to generate units, groups and fleet operation reports. The information is visualized in the form of graphs, diagrams and tables.

Analyzing of problem situations.
Analytics help to understand unit operation issues when a more detailed data study is required.

Notification of equipment operation events , emergency situations, detection of violations of operating standards via SMS, e-mail and cloud software.

Preventive diagnostics. We can show the actual operating conditions of the machines. Based on this, our customers can optimize the time and maintenance costs, extending the service life of the equipment.

Individual customization for each employee.
The number and types of Dashboards and Reports are individually configured for each employee. There are also different levels of access from viewing to full fleet management.

Development of new hardware and software functions according to your needs.
We will quickly and efficiently develop IIoT devices, as well as additional software to expand functionality or implement into your business processes.

ADVANCED FUEL MONITORING

Precise fuel consumption monitoring is one of the main system advantages.

UNUM GENSET software, IIoT devices and our technologies give you not only information about engine operation and electrical parameters of genset, but also detailed information about fuel consumption and possible cases of theft.

We offer monitoring of an extended list of fuel parameters and events. For analytics, we use information from additional sensors and meters installed in the tank, the fuel line, and also take data from standard industrial bus.

UNUM IIoT hardware

CAN Up
2G, 3G, LTE, WiFi Gateways

DUT
Smart fuel level sensors

DFM
Fuel, liquid meters

MasterCAN
Data converters

MasterCAN DAC
J1939 i/o module

CANUp telematics gateway

Control Module

DFM fuel flow meter

RS-485 Modbus

J1939 i/o module MasterCAN

j1939/S6

CAN j1939 bus

DUT-E fuel level sensor in main tank

FMSCrocodile contactless gateway

DUT-E fuel level sensor

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