Live parameter monitoring, operation analysis for selected period

Remote diagnostics of diesel generator, alarms on abnormal operation

Remote start and stop, ensuring uninterrupted operation

Fuel monitoring, reducing fuel and maintenance costs

Tracking engine performance, fuel monitoring

Fuel consumption in idling and normal operation modes, fuel level in tanks, tank refilling and draining volumes, temperature of fuel, engine hours, running duration and workload modes of engine, coolant temperature, oil pressure, battery and network voltage, emergency stops on engine.

Alternator operation monitoring

Output voltage, active power, total generated power, Cos φ, load percentage, frequency of current, voltage and current of phases, power per liter of fuel used, phase imbalance, failed start and data readings from genset controller over Modbus RTU.

Automation and remote control

Automatic tank refueling, emergency engine stop based on abnormal parameters values, pre-start check, remote start and stop.

Generator status		
Running	54	
Stopped	12	
Disabled	7	
Ready	38	

Days to service		
< 2	5	
3 - 10	26	
10 - 25	20	
> 25	42	

87,3	856,2	413,4
Hourly fuel consumption, l/h	Dailly fuel consumption, l/h	Fuel volume, l

75	23	11	Engine load
Norm	>80%	>100%	

Telematics service

400 parameters

GSM 2G/3G/LTE Wi-Fi

CANUp telematics gateway

DFM fuel flow meter

Control Module

RS-485 Modbus

J1939 i/o module MasterCAN RS2CAN

j1939/S6

CAN j1939 bus

DUT-E fuel level sensor in main tank

FMSCrocodile contactless gateway

DUT-E fuel level sensor