

Asset Health Management on Generators

Mitigate the effect of power outages through real time monitoring and management

We can help you mitigate the effect of power outages on your business through real time monitoring and management. You have one of two options of how we can give you peace of mind.

What we monitor

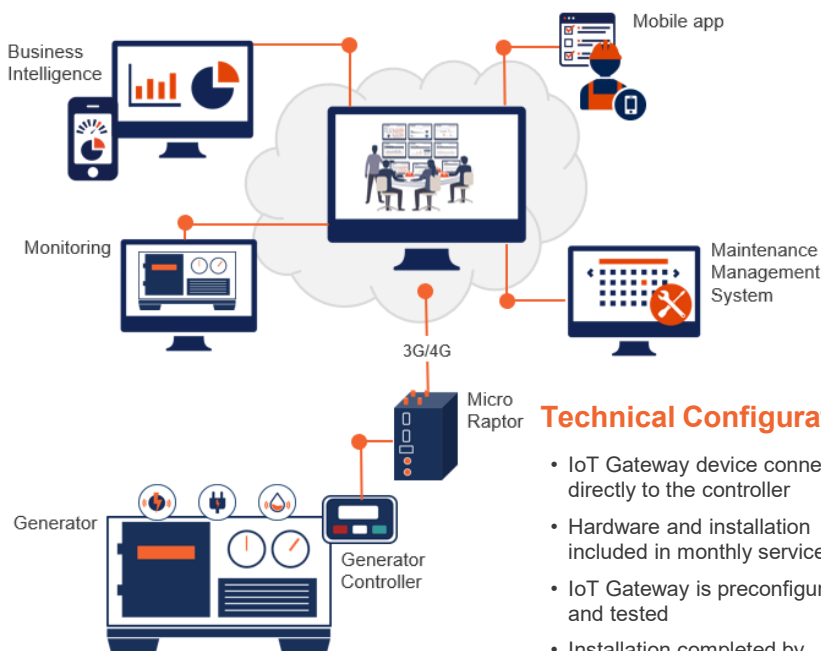
Operations readiness	Generator operating conditions	Fuel management	Coolant	Engine operating conditions	Mains power
<ul style="list-style-type: none"> • Controllers in auto mode • "Emergency stop" activated • Monitor running hours • Battery health • Battery theft alert • Alarms generated 	<ul style="list-style-type: none"> • Voltage per phase • Current per phase 	<ul style="list-style-type: none"> • Fuel level • Fuel theft alert • Re-fueling alert • Fuel consumption 	<ul style="list-style-type: none"> • Coolant pressure • Coolant levels • Coolant temp 	<ul style="list-style-type: none"> • Oil temperature • Engine speed • Oil pressure 	<ul style="list-style-type: none"> • Voltage per phase • Current phase • Frequency

What we manage

Monitoring and response	Maintenance
<ul style="list-style-type: none"> • Monitor and record readings and alarms • Plan and schedule maintenance • Initiate re-fueling when fuel level reach trigger level 	<ul style="list-style-type: none"> • Service scheduling • Proactive inspections • Warranty management • Load testing • Close control of reactive maintenance



Our management process



Technical Configuration

- IoT Gateway device connected directly to the controller
- Hardware and installation included in monthly service fee
- IoT Gateway is preconfigured and tested
- Installation completed by accredited contractor

Key Industry Challenges

Generator reliability issues

- Controller not in Auto mode
- "Emergency Stop" activated
- Battery flat or stolen
- Switchgear not functioning correctly

Cost transparency and predictability

- Lack of historical budget information
- High cost of reactive maintenance
- Servicing not done when specified
- Overcharging for maintenance

Impact of poor maintenance practices

- Statutory compliance work not tracked
- Remedial work not managed
- Fluid levels or leaks not monitored
- Maintenance work quality not confirmed
- Warranties not tracked or managed

Running out of fuel

- Fuel theft
- Insufficient monitoring of fuel levels

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Prioritised risk management

- Overview of all critical assets can be monitored in real-time
- Assurance provided that generator will be ready when needed
- Load testing done as required
- Services and remedial work scheduled and controlled
- Fuel level monitored and controlled
- Reduced human error
- Monitor operating parameters and react where limits are exceeded

Improved cost transparency

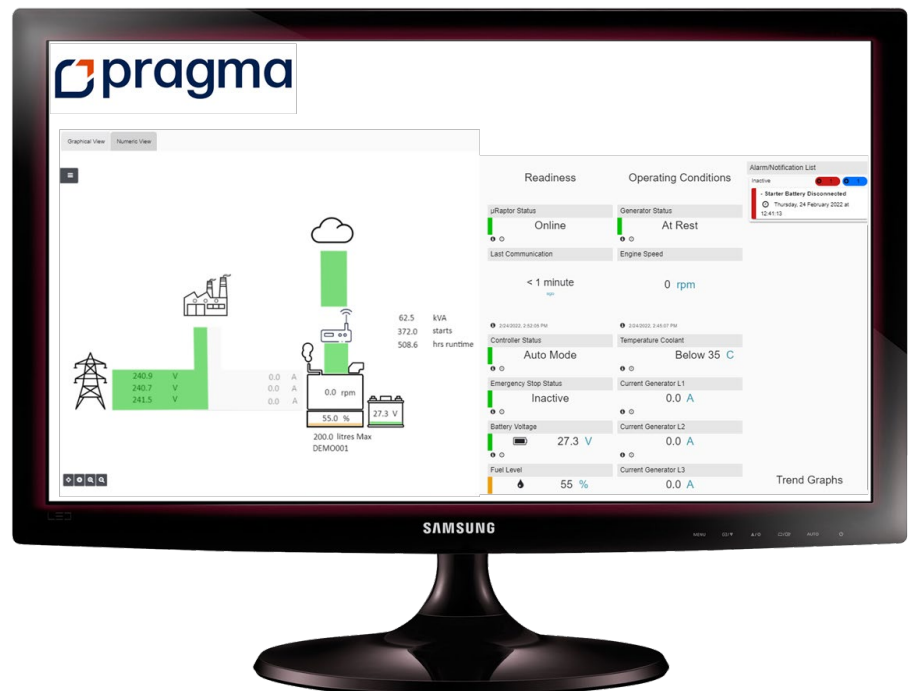
- Maintenance spend planned, benchmarked and controlled
- Fuel theft identified early
- Improved Capex planning

Improved business sustainability

- Efficient implementation of digitalised maintenance processes
- Continuous monitoring of asset readiness
- Extend asset life
- Critical information provided to enable agile decision making

Improved generator availability

- Generator health monitored and early warning provided
- Reactive and predictive maintenance work identified and planned



For more about this service speak to:

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