

IIoT Solutions for Safety & Security

Powelectrics versatile suite of IIoT technologies allows data from sensors, machines & IIoT devices to be reported to a single, customisable platform, generating bespoke reports & alerts to ensure the safety of people, plant, property & our environment.

Powelectrics offer over 30 years of expertise & practical experience in instrumentation & digitalisation, delivering IIoT solutions globally.



Intrusion alerts (manholes/cable theft, kiosk access, void properties).



Remote temperature monitoring of assets (switchgear, biomass fuel stores) or high risk zones (server rooms) for fire prevention.



Condition monitoring of plant & processes to perform maintenance before dangerous breakdowns occurs (production plant, generators, pumps, security systems).



Remote tank level monitoring to identify theft & unauthorized usage & to avoid hazardous overspills or dangerous run-outs of essential supplies.



Monitoring emissions of gases and effluent, to protect people, property & the environment & comply with industry legislation.



Water level monitoring for flood protection.



IloT Solutions for Safety & Security

Powelectrics well-proven, versatile MetronView cloud collects data from a vast array of sensors, machines and IloT devices. It gets your data flowing ... fast ... from your first step towards digital transformation to an international estate of connected assets!

Multiple power & communication options ensure connectivity in remote & rural environments.



CASE STUDY



This IloT solution has made a huge difference to our operations. It has helped reduce costs and improve our relationships with customers, helping us maintain site security for them and eliminate their callout costs. The reliability of the Powelectrics kit has been fantastic and their tech support is second to none! The project is paying back so quickly that our sister companies in the Netherland, Germany and Belgium plan to adopt this Powelectrics m2m solution.

BEN HURST Engineering Manager, Tag Systems

The task

Tag Systems are UK market leaders in integrated wireless security, fire and safety services. Tag needed to ensure there was always a fuel supply for generators used to recharge batteries powering CCTV towers. If generators failed, CCTV would not operate, invalidating insurance & batteries could be damaged, needing expensive replacements.

The solution

A Powelectrics IoT solution monitors fuel levels in generator tanks, creating regular data to understand 'typical' usage, which helps identify maintenance issues and low level alerts when fuel is needed. Data is sent initially to Powelectrics cloud then collected by Tag's own platform.

The result

Preventing run-outs has enhanced site security, protecting Tag's customers and reducing costs, such as battery replacement. Regular data via Powelectrics IIOT kit is used define 'atypical' usage and maintenance needs.

Summary

- Run-outs eliminated
- Security maintained
- Maintenance costs reduced
- Excellent customer service
- Integrates to customer cloud

CASE STUDY:
[Tag Systems](#)