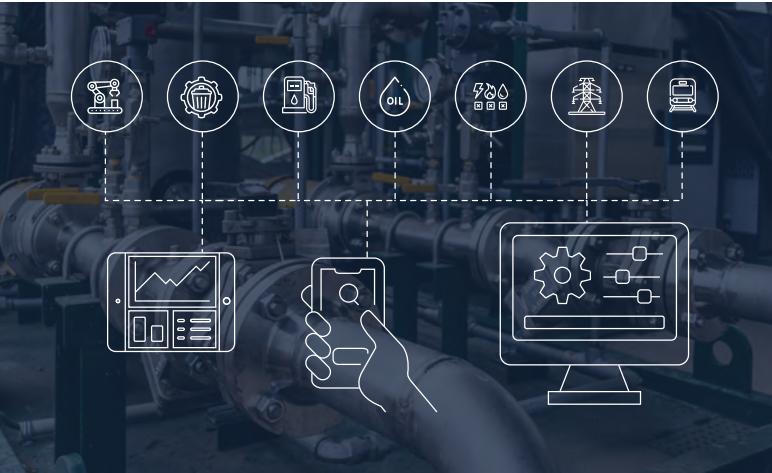


Metron Intelligence

IIoT Solutions & Digital Transformation.
Making Factories Smarter

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



Our versatile suite of IIoT technologies collects data from a vast range of sensors, machines & IIoT devices.

Our Metron Intelligence turns your data into knowledge & insight to inform your management strategy.

PowTechnology guides customers, large and small, across many sectors, ... from a first step towards digital transformation ... to an international estate of connected assets!



How Metron Intelligence Works



Condition monitoring offers early failure detection for intervention to prevent breakdown.



Metering utilities clarifies usage & waste & helps gain ISO50001 accreditation.



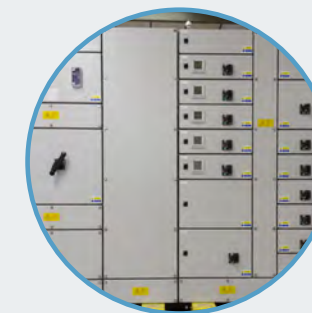
Monitor effluent, emissions & air quality, such as CO2 & VOC to prevent infection.



Monitoring tank levels avoids run-outs & overfills and manages inventory & waste.




Overheating of electrical switchgear can lead to catastrophic failure.



Multiple Performance Indicators Can Be Measured

- Temperature
- Level
- Pressure
- Meter
- Vibration
- Flow
- Wind speed
- Wind direction
- Humidity
- CO₂
- Distance
- Hours run
- Fault
- Intruder
- Collision
- State
- Weight
- pH
- Conductivity
- Salinity
- TOC

Reported via Multiple Communication Technologies

- 
- GSM**
(2G/4G/LTE/NB1)
- LoRa**
- RS232**
- RS485**
- Ethernet**
- Wi-Fi**
- CAN**
- MODBUS**
- OPCUA**
- IO-Link**
- Expandable IO**

Into One Versatile, Customisable Platform



Offering Multiple Outputs To Suit The Application

- CURRENT DATA**
- HISTORICAL DATA**
- ALERTS**
- CUSTOM GUI's & REPORTS**
- 3RD PARTY SOFTWARE**

Delivering Reliable Data to Provide Insight & Knowledge

- Data Analysis**
- Anomaly Detection**
- Context**
- Artificial Intelligence**
- Machine Learning**

Examples of Metron Intelligence In Condition Monitoring

Condition monitoring and condition based maintenance impact directly on profitability by:

- | Eliminating breakdowns & unplanned downtime.
- | Minimising disruption, maintenance costs and waste.
- | Minimising energy consumption to reduce costs.
- | Improving efficiency and margin.



PowTechnology's Metron Intelligence can help you with:

- | Automation of labour-intensive performance data capture.
- | Rich data sets to automatically detect anomalies in performance.
- | Root-cause analysis & defect elimination programmes.
- | Diagnostic resource focused on faulty assets rather than all assets.
- | Planned responses to fault conditions.

Please visit our [website](#) for some case studies

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