

IIoT for Smart Manufacturing

IIoT Solutions & Digital Transformation.
 Making Factories Smarter.

PowTechnology offers over 35 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!



IIoT for Smart Manufacturing

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

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- 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**



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



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



Monitor vital production metrics including OEE, MTBF, MTTR, throughput, downtime & quality trends to optimise performance, efficiency & overall reliability.



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



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



Process Optimisation - improving quality, reducing waste, lowering energy consumption & more.

35 years providing remote monitoring and data driven solutions, merging IT and OT

SIEMENS

**Solution
Partner**

PowTechnology make it simple for customers to connect sensor and machine data to the cloud. We use advanced technologies like AI, edge processing and anomaly detection to deliver solutions that drive efficiency, reliability, safety and sustainability.



We're a Siemens Solution Partner and ISO9001/ISO27001 certified. Quality, security and sustainability are at the heart of everything we do.

We work with businesses of all sizes, from start-ups to global multinationals and our solutions are trusted across a wide range of industries all over the world.

Let us help you

- | Lower operational & energy costs
- | Prevent breakdown
- | Maximise resource
- | Comply with legislation
- | Introduce new revenue streams
- | Improve service
- | Differentiate yourself from competitors