

IIoT Solutions & Digital Transformation. Making Factories Smarter.

30 years' experience delivering data to drive business decisions.

Connecting sensors & machines to the cloud to deliver efficiencies and inform management strategy.



Over 100,000 different IIoT sensors connected worldwide.
Designed, manufactured, delivered.

Proven, robust and intuitive IIoT technology that can integrate with third party instrumentation.

Bespoke remote monitoring solutions for any size of organisation, across a huge range of sectors.

Enabling customers to get data flowing rapidly as a first step towards their digital transformation and supporting them through to an international estate of connected assets.

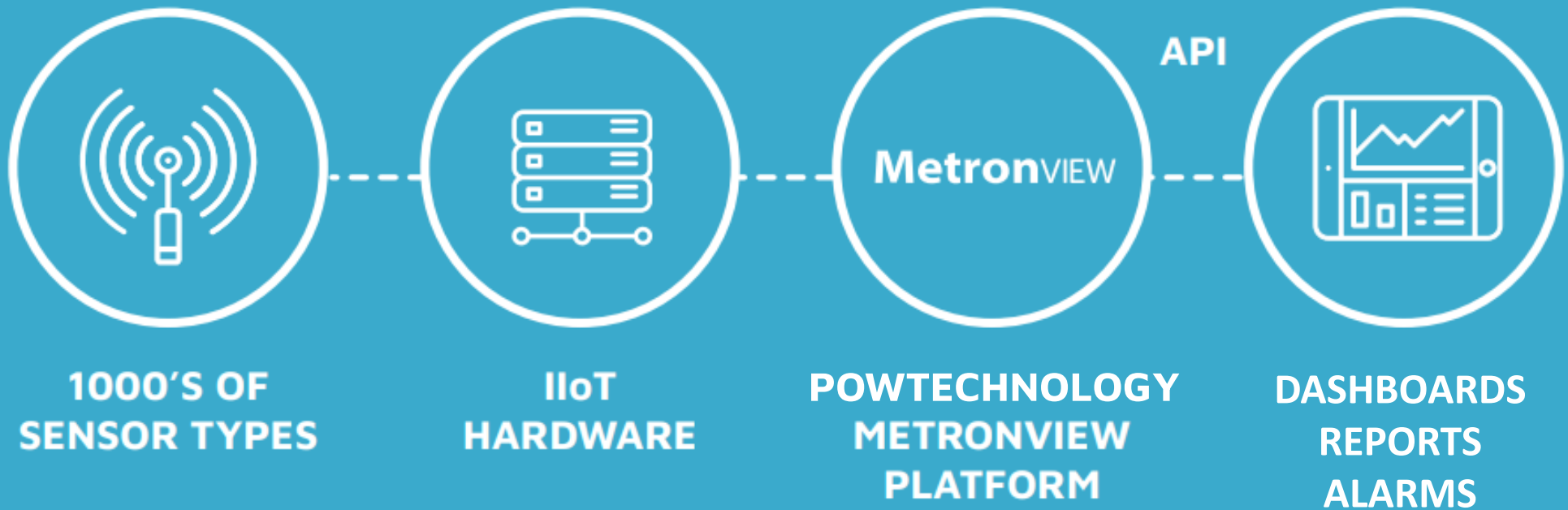


Sensors & Machines

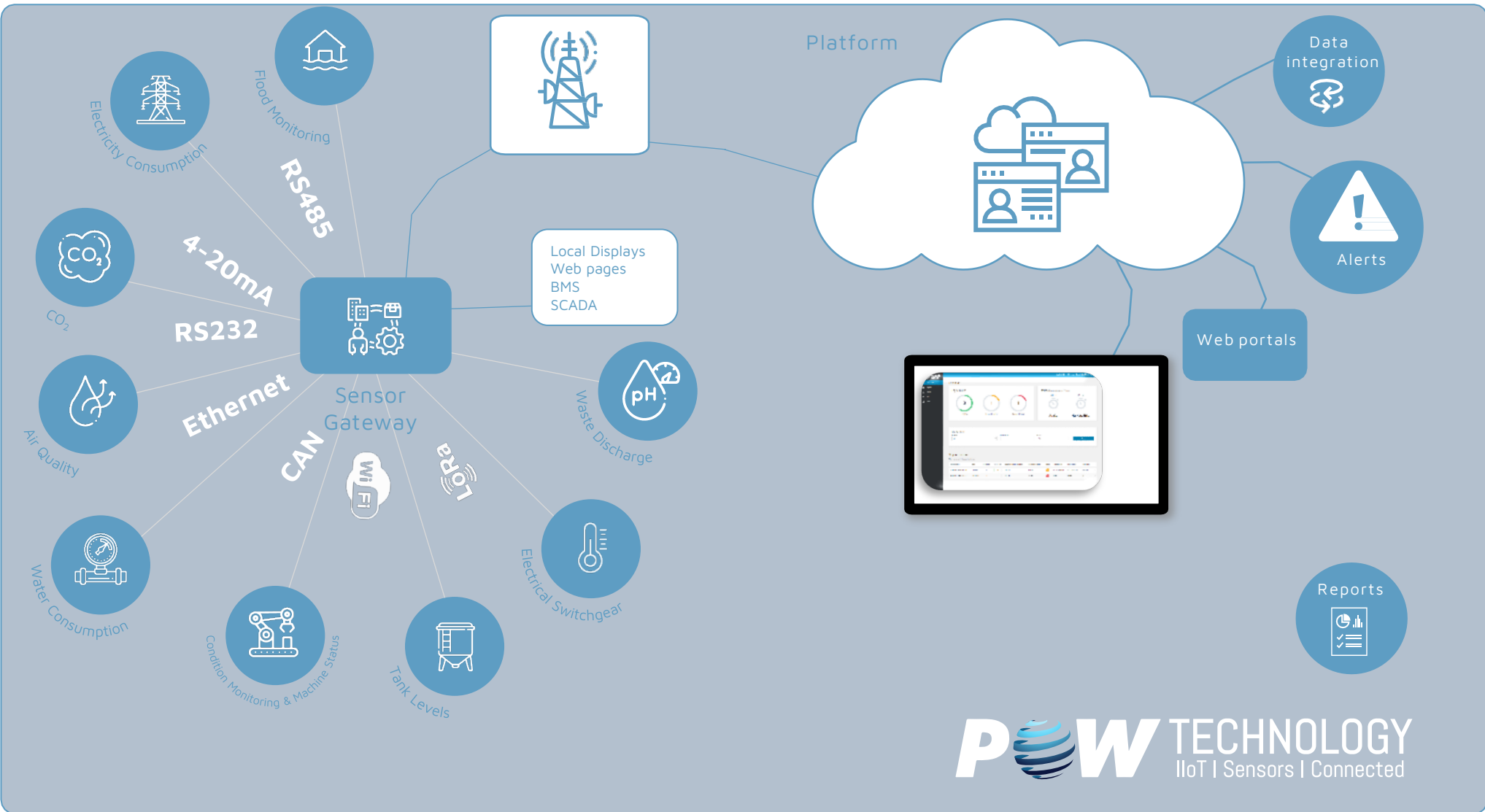


Universal IIoT Platform

- ✓ Introduced a £40m per year revenue stream for one client.
- ✓ Enabled a chemical company to grow 4 fold in less than a decade to become leaders in their field.
- ✓ It has discovered £1.3m a year of unnecessary fuel costs for another customer.
- ✓ Reduced the number of miles needed to deliver the same volume of product by 32%.



Saving down time, understanding energy use, improving safety, preventing environmental incidents and lots more.



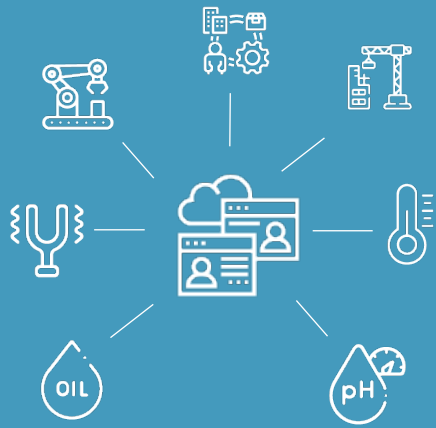
PowTechnology help customers achieve a vast range of environmental objectives, protecting people, the environment, livestock and assets from contamination, habitat and welfare issues.

- Water level monitoring & management for flood and wildlife habitat protection.
- Metering & energy management to achieve ISO50001 accreditation.
- Landfill site monitoring including leachate levels to prevent contamination.
- Monitoring emissions of gases and effluent from factories and other facilities.
- CO₂ & VOC monitoring to prevent infection, such as COVID, in buildings.
- Preventing hazardous overspills of chemicals, fuels and waste.
- Pumping station monitoring to avoid sewage discharge.



Condition Monitoring

Early failure detection allows planned intervention, minimising energy use & preventing breakdown cost, disruption & safety issues.



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



Electrical Switchgear

Overheating caused by overloaded circuits, unbalanced loads, or loose or damaged connections will shorten equipment life, and potentially lead to catastrophic failure. Real time monitoring can send you alerts giving you advanced warnings.



- Periodic visual inspections are costly, require special safety considerations and are unlikely to detect these conditions in time.
- The lifetime of insulation decreases rapidly. An aged insulator increases dramatically the probability of failure.
- Battery powered wireless sensors are easily fitted in the compartments you want to monitor & readings periodically sent wirelessly a hub and on to our secure cloud.

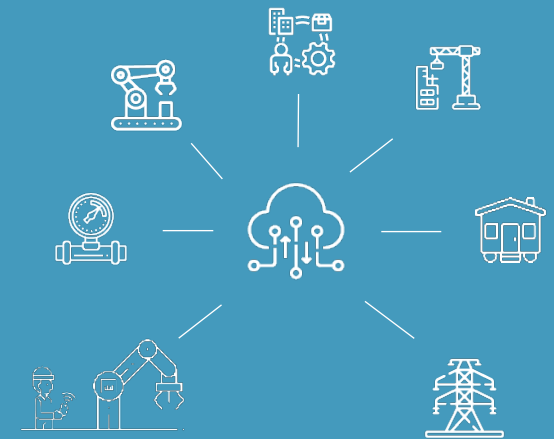


Monitoring Utilities

Gathering data from electricity, water, gas & compressed air meters distributed across the facility, or across multi-tenanted properties.



- More granular energy consumption information about your business or site.
- Accurate energy monitoring so costs can be attributed.
- Help to reduce waste.
- Detect leaks
- Get an early warning that equipment may need maintenance.
- Compare and benchmark sites and buildings.



Liquid Management

Monitoring the level in storage tanks, silo's & IBCs gives a range of benefits

- Understand usage
- Automatic re-ordering & Vendor Managed Inventory
- Avoid run-outs
- Prevent overfills
- Manage waste collection
























For a wide range of products

- Fuels
- Chemicals
- Lubricants
- Waste
- Cleaning products



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

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