

IIoT Solutions for the Chemical Industry

Powelectrics IoT technology cuts costs for suppliers of chemicals such as AdBlue, cryogas, acids, alkalis, detergents, fertilizers, food additives and construction additives.

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



Tank, silo, IBC & bund level & load cell monitoring to understand usage & avoid run-outs/overfills, with associated disruption & clean-up.



Supply chain management including raw materials, waste collection & Vendor Managed Inventory when delivering chemicals in bulk.



Condition monitoring of plant and processes to perform maintenance before a breakdown occurs.



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



Metering & energy management to identify inefficiencies & as part of ISO 50001.



IloT Solutions for the Chemical Industry

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



As one of Europe's largest AdBlue® distributors, GreenChem rely upon efficient logistics. Powelectrics' dependable and robust tank level monitoring solution supports that and helps us deliver exceptional customer service. Powelectrics have been our telemetry partner for over a decade, because the technology is exceptionally well-proven in many countries and we are fully supported technically and commercially.

GUY FLOCHLAY Managing Director, GreenChem Holding BV

The task

GreenChem is one of Europe's largest AdBlue® producers and distributors with thousands of contracted customers, supplied from over 40 production facilities around Europe and Brazil. In 2010 they needed a more reliable telemetry solution to measure tank levels and ensure customers did not run out of essential supplies.

The solution

Powelectrics IloT hardware reports level data to Powelectrics software, held on GreenChem's own servers, with data exported into their ERP, to assist a range of operational activities. A huge advantage is the ability to remotely configure units to accommodate over 40 tank designs.

The result

GreenChem delivers exceptional service to thousands of customers, ensuring that trucks, cars, off-road equipment and agricultural machinery can operate efficiently. Logical deliveries minimise fuel costs and environmental impact. On-site installation is easy with remote configuration.

Summary

- Excellent customer service
- Efficient logistics
- Reduced fuel costs
- Environmental impact minimised
- Simple installation and retrofit