# Manufacturing process optimisation through IoT
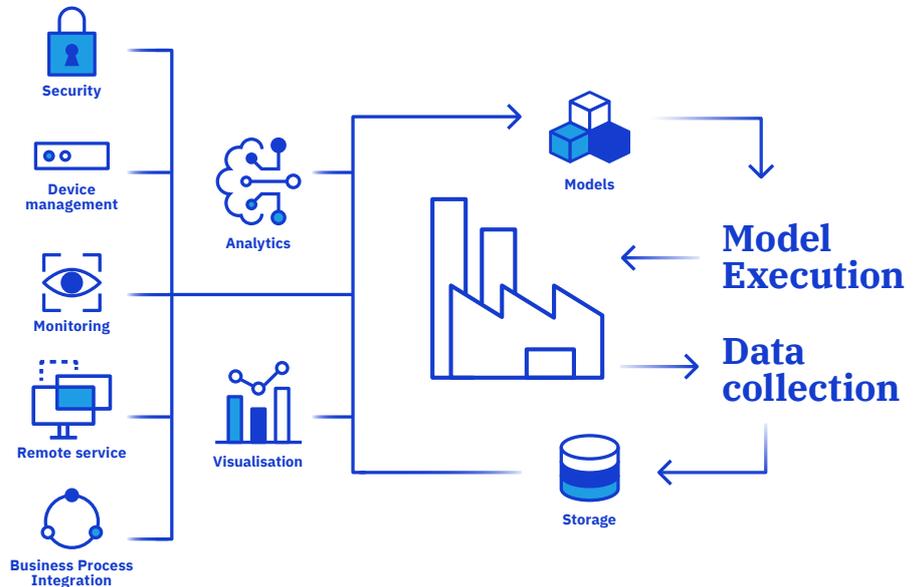
Tricloud is a company that delivers complete "end to end" services in the field of Industrial IOT, Cloud computing and Data analytics.

Tricloud can help your business take advantage of Industry 4.0 capabilities by assisting your company in envisioning and implementing an Industrial IoT solution, which will enable cost savings, generate new revenue streams and increase security.

## This is how our Tricloud Industrial IoT Platform works

1. Data is collected from the factory floor through the Tricloud Edge Unit and passed on to the cloud.

2. Data is visualized through the Tricloud Portal and can be analyzed and used for training of algorithms.

3. Algorithms are stored in the Tricloud module store from where they can be deployed and connected to the factory floor's automation or DCS systems.



Security

Device management

Monitoring

Remote service

Business Process Integration

Analytics

Visualisation

Models

Model Execution

Data collection

Storage

## Tricloud is

A company of Industrial IoT and Azure Cloud experts with the knowledge to design, build, deploy and manage complex solutions using Microsoft technologies.
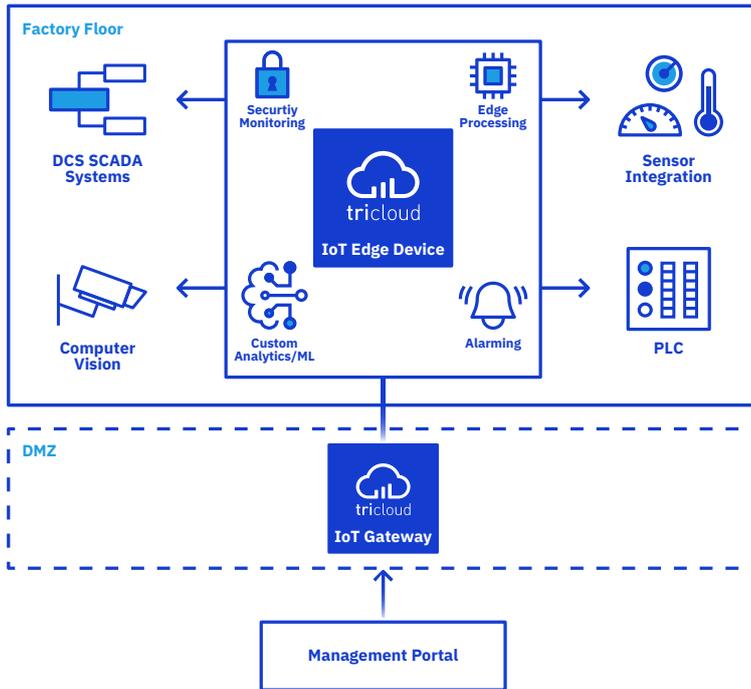
## Tricloud offers

A unique platform for companies starting to use the power of IIoT and cloud computing. We also offer expert consultancy services within Microsoft Azure and factory automation.

## Tricloud aims

To deliver the most effective solution, unleashing the business benefits of IIoT and cloud computing in the manufacturing space.

**Tricloud IoT Edge Platform**



Factory Floor

Securtiy Monitoring

Edge Processing

IoT Edge Device

DCS SCADA Systems

Sensor Integration

Computer Vision

Custom Analytics/ML
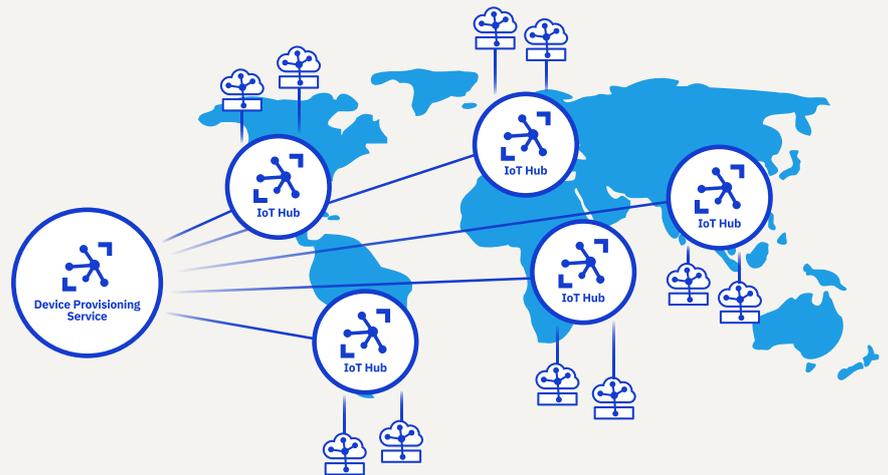
Alarming

PLC

DMZ

IoT Gateway

Management Portal

## Security

Security is paramount when cloud-enabling a device, machine or even an entire factory. Tricloud builds systems based on software from Microsoft that was designed with security in mind. Using industry standards and best practices in designing IoT security, we ensure that assets are kept safe and communication remains uncompromised and private.

## Managing devices at scale

Handling devices at scale presents an entire new set of challenges. Handling thousands of devices requires a high degree of automation and carefully thought-out management strategies.



Device Provisioning Service

IoT Hub

IoT Hub

IoT Hub

IoT Hub

IoT Hub

## The platform

The Tricloud IIoT platform is an infrastructure solution connecting the manufacturing processes to the cloud. The platform takes care of all integration issues from the manufacturing automation systems to the cloud and even more importantly – back to the manufacturing process – thereby unlocking unprecedented opportunities for optimization and new business models.

## Service & Support

We expect companies' IIoT solutions to become increasingly strategically critical for many of our customers in the coming years, and Tricloud is committed to providing world-class service and support for our solutions.

## Consultancy

We provide the platform, we provide the technical support, and we help our customers from the very first steps of their IIoT journey until they feel comfortable operating their IIoT platform on their own.

## Contact us

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