



IoT for Manufacturing

Digital machine data collection

IoT for Manufacturing is an enterprise solution that provides access to data from industrial factories, and ultimately leads your business through the Industry X.0 revolution.

Benefits

High flexibility

IoT for Manufacturing adapts to each production run, and it can respond to production changes over time

Improve think quality

Higher production and product quality reduces rework and human errors in material usage

Decision making support

The system provides real-time information and metrics for situational or historical analysis, improving strategic decisions

Industrial internet

There is a multidirectional connection between production processes and products

Seamless integration

IoT for Manufacturing architecture connects easily to existing equipment from all manufacturers

IoT for Manufacturing helps you to digitalize your factory by accessing and collecting data from machines. Moreover, by using customizable business rules, IoT for Manufacturing can handle all events and interactions between industrial devices.

You can therefore react immediately to production drifts, as well as monitor the status of orders, machines, and materials, together with the most relevant manufacturing KPIs.

With IoT for Manufacturing, you will lead and keep your factory at peak efficiency.

Key Features

Universal system integration

Remove any barriers between shop-floor and top-floor using a cohesive and cross-company approach

Industrial IoT

Connect embedded devices and plants, and enable real-time data sharing between all parts of the system and all connected parties

As-built management

Move to electronic material tracking and see the entire structure and process of your manufactured product

EWI management

Build your product right every time through the real-time and dynamic management of Electronic Work Instruction



How does IoT for Manufacturing work?

By using supervisory control and data acquisition directly linked to industrial devices, IoT for Manufacturing enables the extraction of widely ranging data related to production processes, environmental and sensors recordings.

IoT for Manufacturing selects and gathers only information relevant to your business. Data is then integrated in a uniformed data structure which is ready to be stored in an onsite SQL or NoSQL database and/or in Microsoft Azure or Amazon Web Services storage. At this point the collected data is ready for analysis – for more information on this, please refer to our proprietary solution for data analytics and insight visualization Analytics for Manufacturing.

Highlights

With IoT for Manufacturing you can:

Maximize the information value of data collection

Improve the customer experience by offering services tailored to specific customer requirements

Easily integrate ERP systems

Drive your company through the Industrial IoT revolution

TXT e-solutions is an international, specialized provider of engineering software solutions supporting customers in high-tech markets in their mission- and business-critical core processes and throughout their product lifecycles.

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