Digital manufacturing services

pwc | **Microsoft**

A 360-degree view of your production operations

PwC's digital manufacturing services provide cloud-native smart factory capabilities helping enable Industry 4.0 through near real-time production data ingestion, end-to-end visualization of manufacturing performance and advanced AI/ML models to create value on Microsoft Azure. Unify your isolated infrastructure and harmonize your factory data.

Benefits

1 **Provide** KPIs, production alerts, and actions to enable employees to create their own dashboards without specific technology skills

2 **Anticipate** quality issues with AI and integrate downtime and predictive maintenance into the intelligence process, from fault notifications to paperless records of maintenance measures

3 **Visualize** and enhance production flows and production data in real-time to detect bottlenecks and reduce waste

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Our services create value with:

Predictive AI

Early detection of quality problems through automated correlation of production parameters and product quality with actionable next steps

Production analysis

Identify reasons for production deviation and perform an automated error analysis via intelligent error detection and cause analysis via AI

Digital lean

Identify inefficiencies in the value creation process to reduce waste in the production process and increase efficiency

Digital twin

By digitally mapping your production process, cost-intensive steps can be simulated and adjusted to increase production efficiency

Use case

Global rollout of a digital manufacturing platform

CHALLENGE

The client wanted to develop a scalable digital manufacturing platform that drives business value across 190+ plants.

SOLUTION

PwC teams envisioned and developed a platform and underlying enablers with a focus on scalability. Use cases were developed across the EPICs production control tower, E2E traceability and maintenance intelligence. Onboarding and change management to connect the plants were built as a concept as the client transformed from a program organization to a product organization.

RESULTS

- IIoT also plays as a standalone solution without MES to provide a platform that adds value for theplants
- 18 highly scalable use cases jointly developed with Microsoft engineering and client process specialists

Let's connect

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