

Production digitization with toii®

The individual toii® modules take on many tasks in the digital factory, from data collection and machine control to visualization, allowing a multitude of potential applications to be managed.

toii®.Collect

Machine data collection

toii®.PDC

Manual entry of production data

toii®.Fusion

Visualization of production data

toii®.Think

Edge analytics

toii®.Control

Data transfer to the machine

toii®.Lights

Simple data collection via setup box

toii®.Integrator

Integration of third-party systems such as ERP and MES

Materials Services
IoT

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Materials Services | IoT

Unlock shop floor potential

Production digitization with toii®



thyssenkrupp

engineering.tomorrow.together.

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Your gateway to digital production!

Automation, digital networking, and the resulting optimizations unleash completely new efficiency potentials in industry. Digitalization has a name: toiï®.

A wide range of different machines and means of production can communicate with each other via toiï®, ranging from calipers and manual band saws to multilevel production facilities. With toiï®, we set our customers on their own path toward the Industry 4.0 era.

Increase your production efficiency through digitalization with toiï®!

- ⇒ Optimize your machine utilization!
- ⇒ Automate entire production processes!
- ⇒ Consolidate resources and optimize their utilization across the entire value chain!
- ⇒ Keep an eye on the status, progress, and performance of your production at all times and link your production planning to actual production data!
- ⇒ Identify optimization potentials in production processes and implement them immediately!
- ⇒ Anticipate imminent machine failures with predictive maintenance!


toiï®, an Industrial Internet of Things (IIoT) platform, was specifically developed for industrial production and its optimization and has been successfully deployed within the thyssenkrupp Group. toiï® offers you an individual solution adapted to your needs. Working end-to-end with you, we start by advising you on implementation and follow through to your ongoing operation.

We are your partner for IIoT

thyssenkrupp Materials IoT GmbH combines 200 years of industrial history with 15 years of experience in the digital networking of machines and processes. At thyssenkrupp Materials Services, the biggest materials distributor and service provider in the Western world, we have been responsible for digital networking in manufacturing and its integration into the enterprise resource planning system for many years.

We are the IIoT specialists for your manufacturing, providing all our services from under one roof. These range from initial consulting to implementation, the provisioning of the platform, and service during ongoing operation. We would be happy to work with you on a roadmap for your path to digital manufacturing.

- ⇒ Expert advice
- ⇒ Scalable products
- ⇒ Individual services

A faint, light-blue illustration of two hands shaking inside a circle, symbolizing partnership or agreement, is positioned in the background of the bottom right section.

By combining your expertise and
our experience, we can forge ahead
together into the era of Industry 4.0!