



**XETICS**

## **Industry 4.0 in the manufacturing industry**

Dr.-Ing. Philipp Dreiss, Managing Director

21<sup>st</sup> June 2017



**EuroNanoForum**

2017

## XETICS GmbH

*14.0 Startup!*



- Location: Stuttgart, Germany
- Year of foundation: 2012
- Employees: 20 development, 15 pm, sales & support (EU, US, JP)
- Subsidiary of TRUMPF GmbH + Co. KG (2015)

### Product:



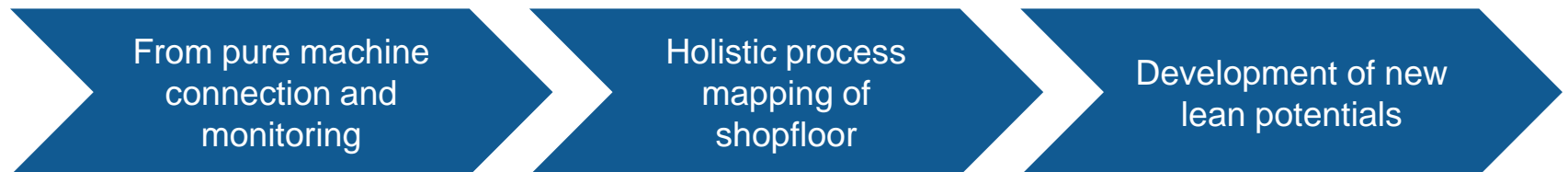
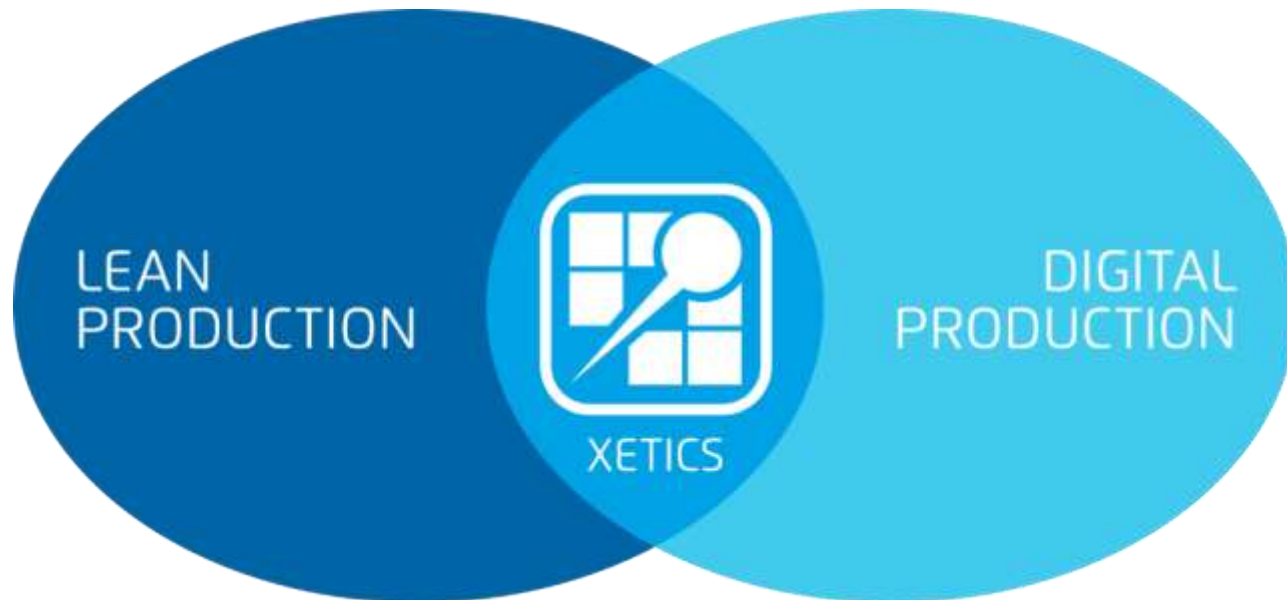
### XETICS LEAN

Production control system and planning

- Web-based UI
- On-premises and cloud-enabled
- Use of mobile devices
- Equipment-Integration

# Industry 4.0 in the manufacturing industry

## Connecting worlds



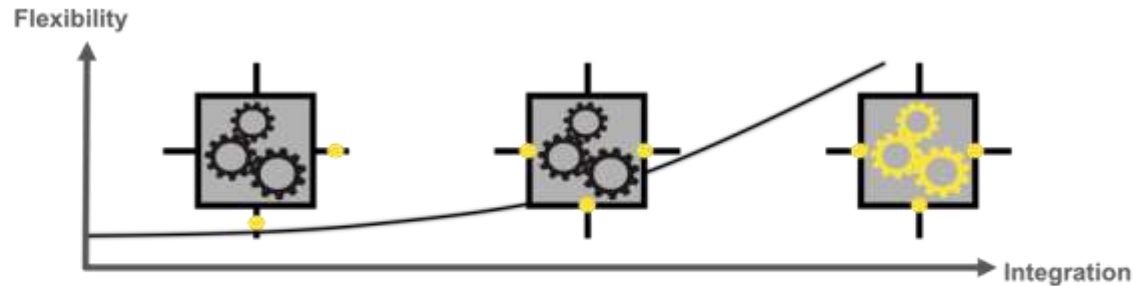
# Industry 4.0 in the manufacturing industry

## Digital solutions at all levels of a company



# Industry 4.0 in the manufacturing industry

Vertical Integration is the key for interconnectivity of devices



## Add-On to Machine

- > Connection through external sensors  $\mu$ PLC/IPC,
- > Derivation of current state through sensor data
- > Machine Condition is calculated through generic interfaces

## Standard Interface

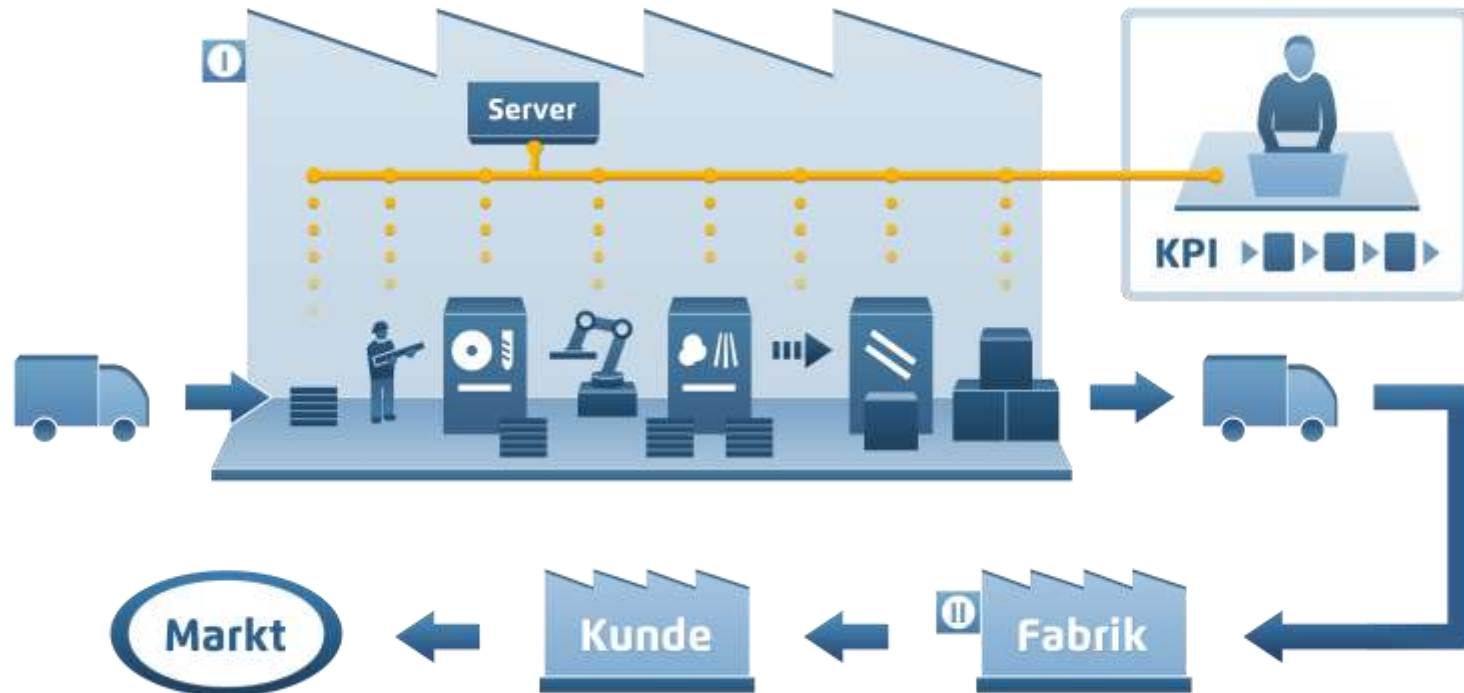
- > Connection through standard interfaces (HW/SW)
- > Use of common-Ethernet & OPC UA
- > Signal Processing through Standard Plug-In

## On-Machine

- > Plug-In integration inside the machine control
- > Unlimited access on all machine data
- > Fully comprehensive possibilities of data generation and evaluation
- > Dependencies to the manufacturer and the machine type

# Industry 4.0 in the manufacturing industry

## The Smart Factory



**XETICS LEAN captures and analyzes the production process, data in real-time, and also plans future events and processes.**



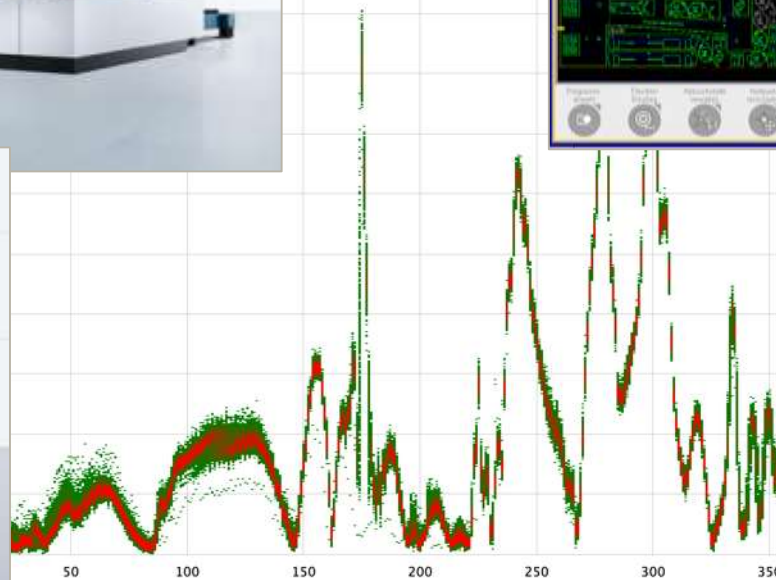
# Industry 4.0 in the manufacturing industry

Value stream oriented planning, scheduling and optimization of production sites



# Industry 4.0 in the manufacturing industry

## IoT-Connectivity **out-of-the-box** gets standard





Thank you very much!