

Digitalization in practice

Consulting

Factory tour



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Implementation
& integration

Realization

Systematic approach



Future of automation

Co-creation / Co-working



Closed Loop Manufacturing

How to implement

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质量检验
Quality Check

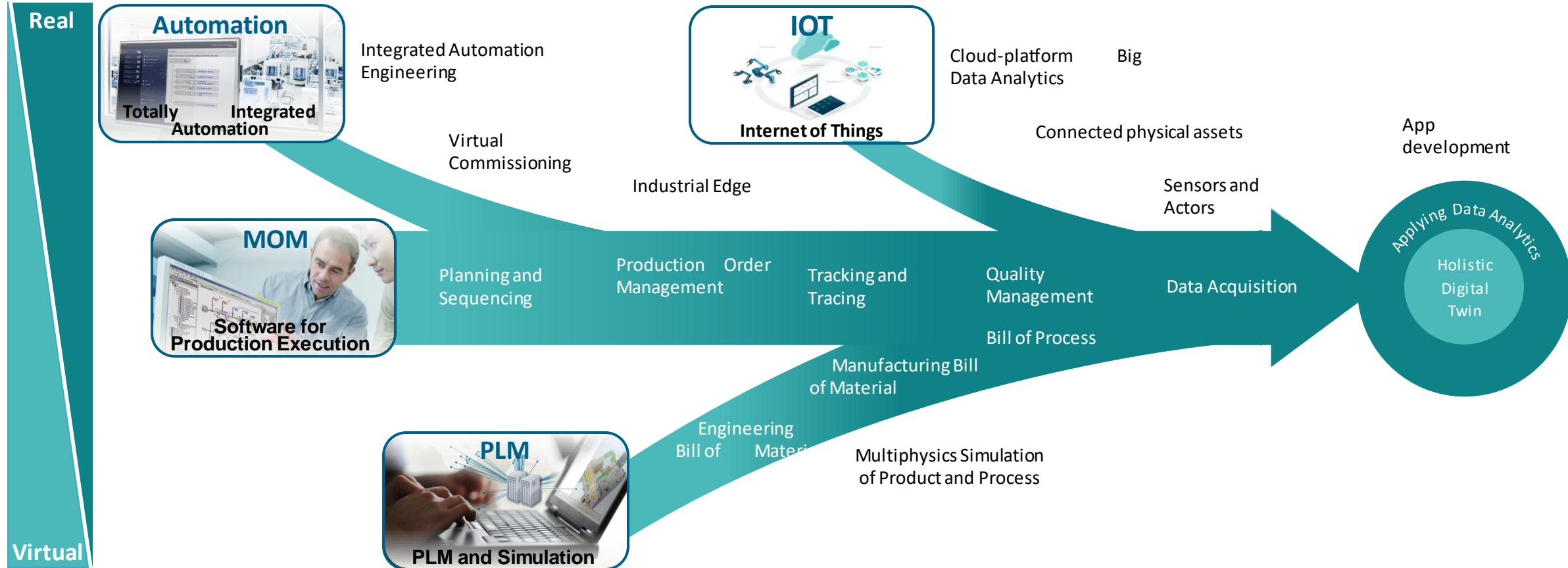
铣床加工
CNC Manufacturing

实现数字化企业——正当时！
Digital Enterprise – Implement Now
siemens.com.cn

OUR NORTSTAR!
Zero Touch Production
Demo-Line



Today's technologies enable the next level of productivity, flexibility and quality



To fully exploit the potential of technologies, processes must be integrated and streamlined

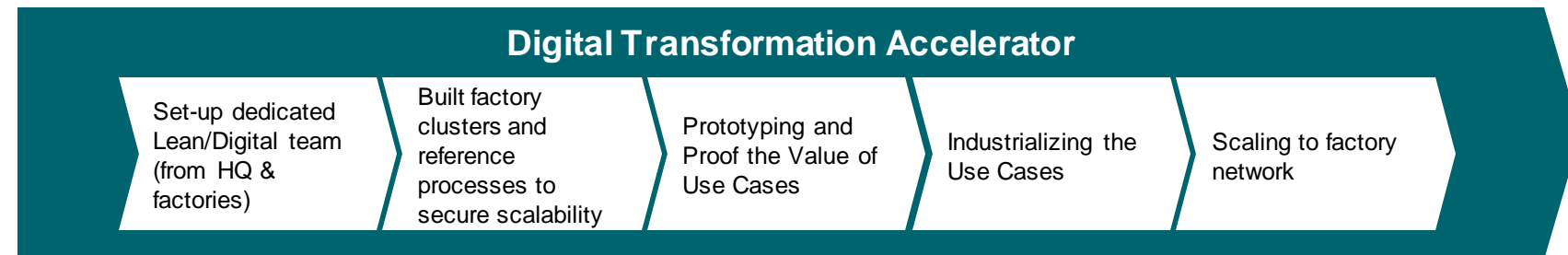
To sustainably implement digitalization in your organization we recommend to combine Bottom-up and Top-down approach



- Make digitalization strategy a top priority within your company
- Describe the reference IT architecture (PLM, MOM, ERP and CRM)
- Set clear targets and mandates for HQ and factories



Leverage the potential of Digital Transformation to stay competitive

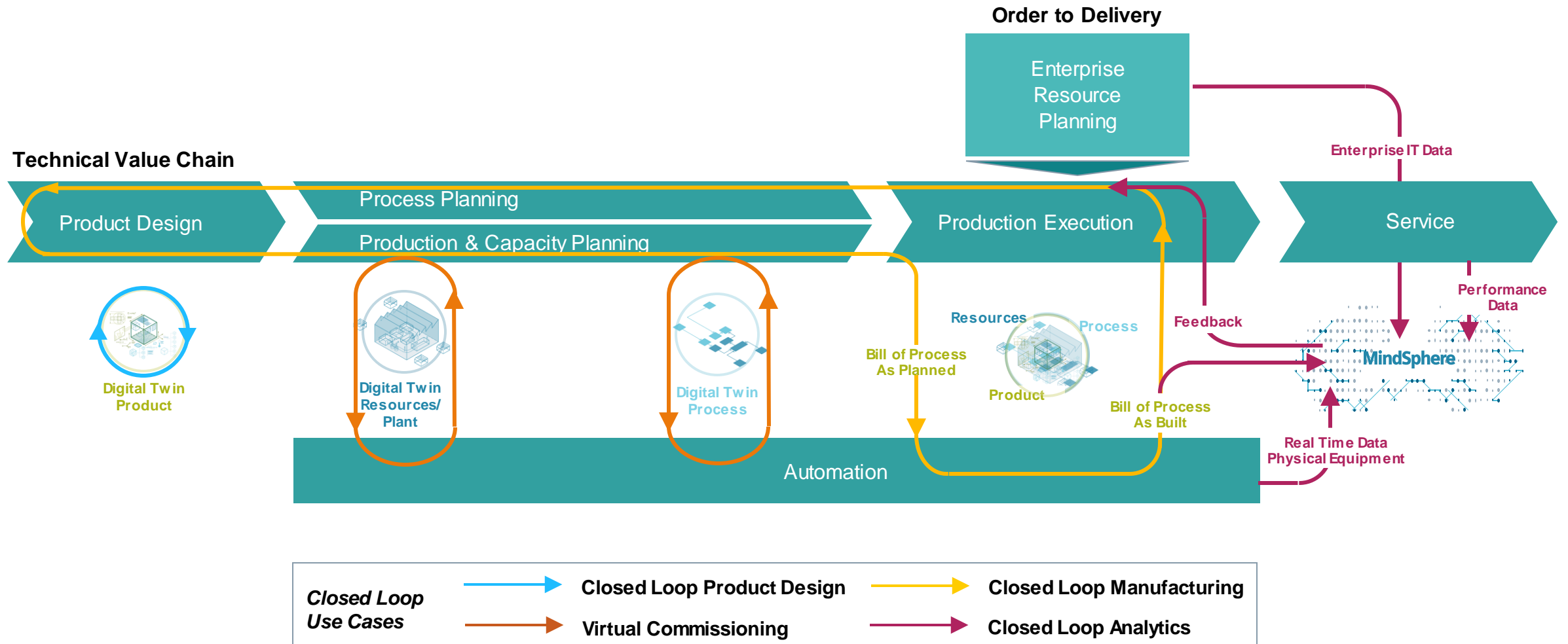


- Prioritize digital Use Cases and create high-level business plans
- Teach, gather experience and create insights in an experimental way
- Select and educate future key resources in your factory



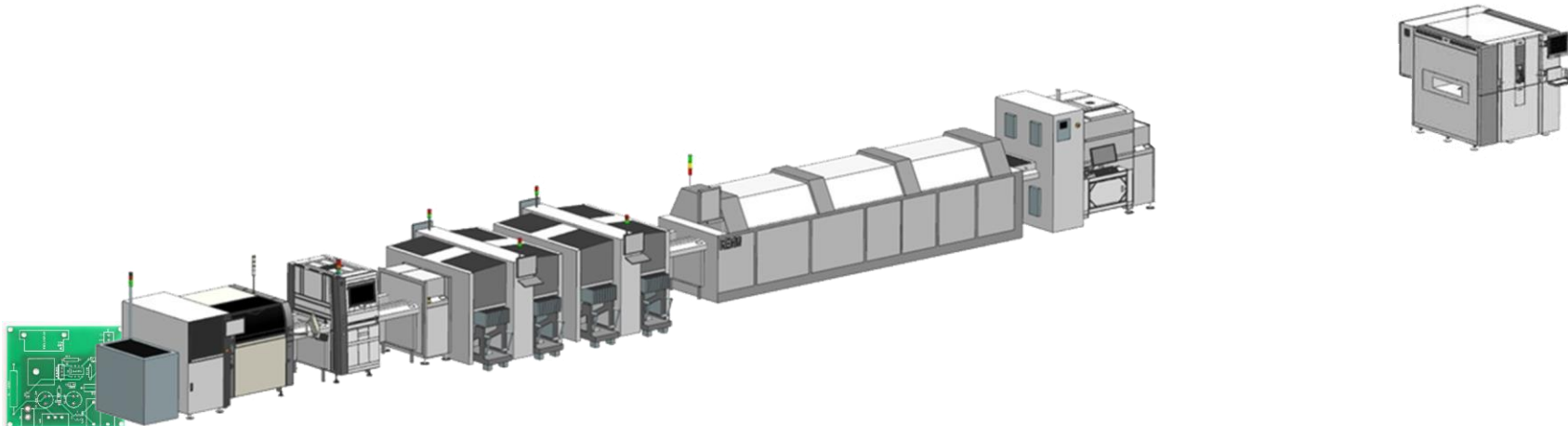
Implement a digital mindset in your workforce to secure continuous improvement

Data consistency and feedback loops along the Technical Value Chain delivers the full value proposition of digitalization



A real world example: Soldering Line Siemens Factory Amberg – Germany

- 99.8% good quality produced
- To ship 100% quality we X-ray all PCB's at the end of the line
- X-raying costs 20% of the through-put time
- The soldering line is the bottle neck in the factory
- We have 18 soldering lines in Amberg



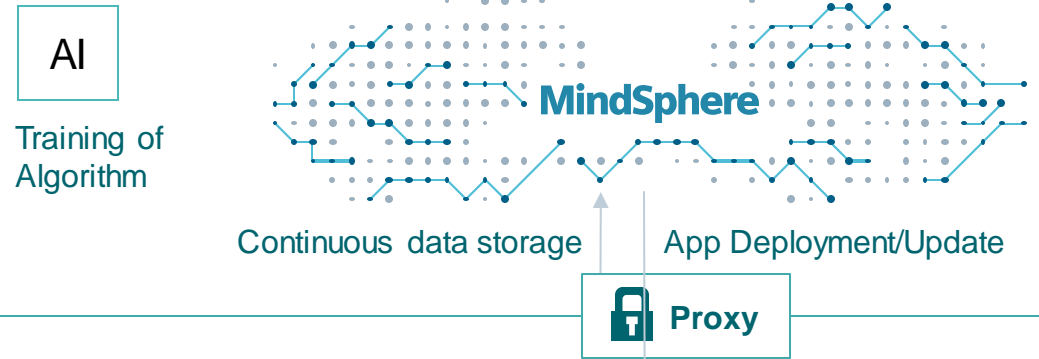
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Question:

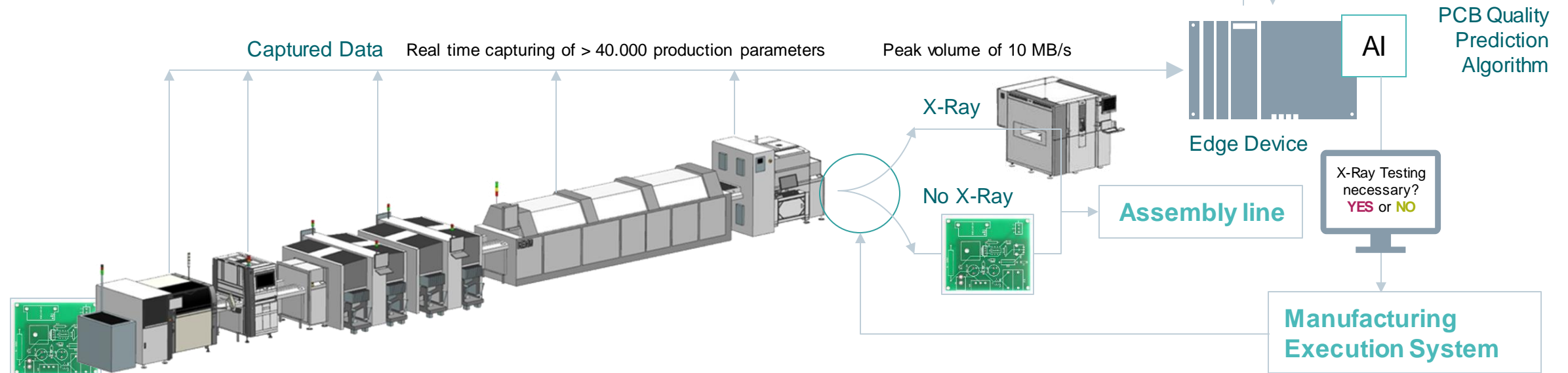
Could we skip
X-ray-testing by
predicting the
quality of a PCB?



Non-Production Critical Level



Production Critical Level



6%



Productivity improvement achieved!

We provide more than Consulting – as Siemens we bring business and technical expertise to our customers



We understand your challenges from running our 270+ own factories with latest process, digitalization and automation technologies



Siemens Lean Digital Factory

- We consider **our factories** as **role models** for the **use** of our digital technologies
- We create a **digital mindset** in our **workforce** to secure future competitiveness



Application and Implementation Competence

- We apply **latest technologies** like **AI** and **robotics** in **end to end** solutions
- We understand the brownfield and the need to set the right basis in **Factory IT** (MOM & Automation) and **Enterprise IT** (PLM and ERP)



Consulting and Transformation Competence

- We support the definition of your **Digital Transformation Strategy**
- Focus on **delivering business impact** not just **paper-work**
- **Empowering your teams and organization** to drive digital change independently