Das Quality Seal hat im Vordergrund zu stehen.
Bitte ändern Sie nicht die Größe oder Position.
The Quality Seal has to stay on top.
Please do not change size or position.

Continental
The Future in Motion

Industry 4.0

Our Way @ P FEM DTM

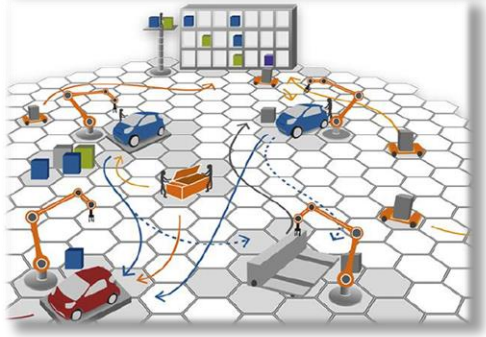
Industry 4.0

Generally

Full automation of physical processes

INDUSTRY ≠ 4.0 =

Automation on cyberphysical systems and new business models

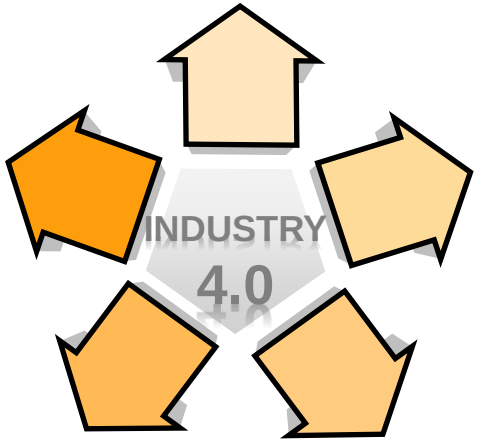


The human being as a stabilizer of flexibilisation and changeability in industry 4.0

The five functional areas of Industry 4.0

What is a “functional area“?

› Functional areas summarize the individual Industry 4.0 applications across the company's area of application. The grouping is done by basic functions and usage aspects.



The five functional areas of Industry 4.0

Author, © Continental AG

The five functional areas of Industry 4.0

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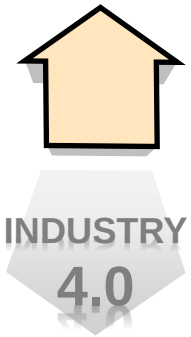
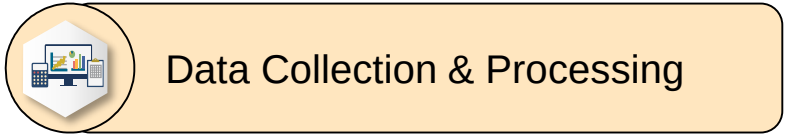
The five functional areas of Industry 4.0





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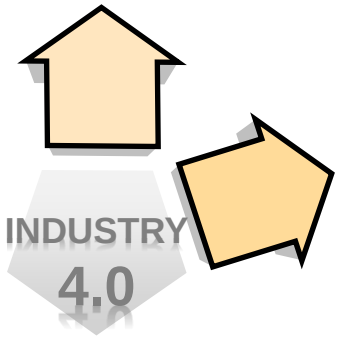
The five functional areas of Industry 4.0

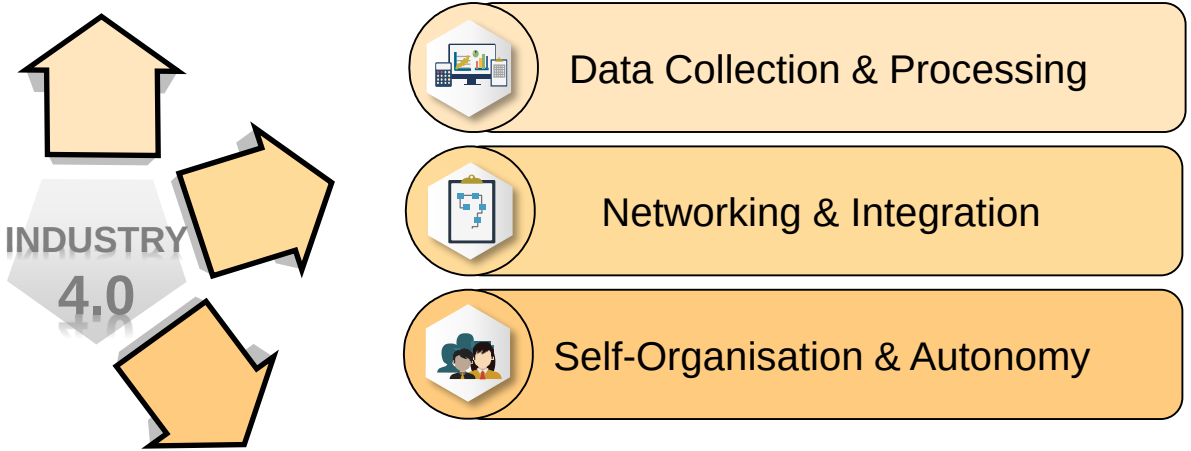


Data Collection & Processing

Networking & Integration

Author, © Continental AG

The five functional areas of Industry 4.0



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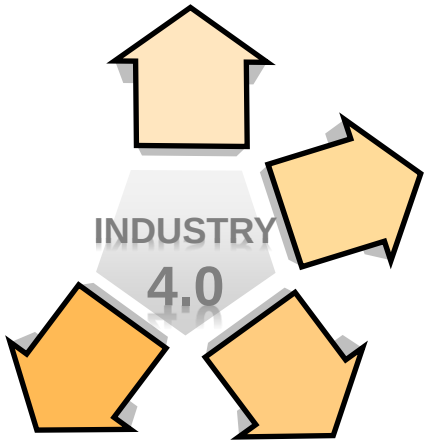
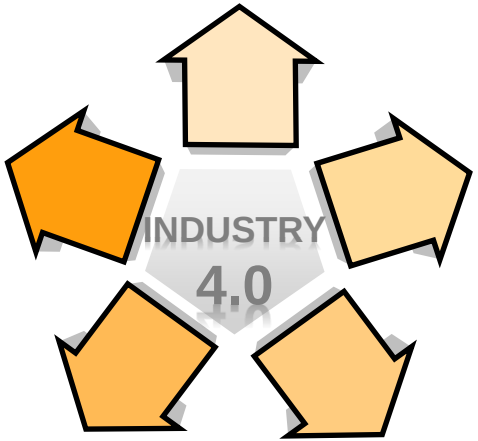
The five functional areas of Industry 4.0



- Data Collection & Processing
- Networking & Integration
- Self-Organisation & Autonomy
- Assistance Systems

Author, © Continental AG

The five functional areas of Industry 4.0



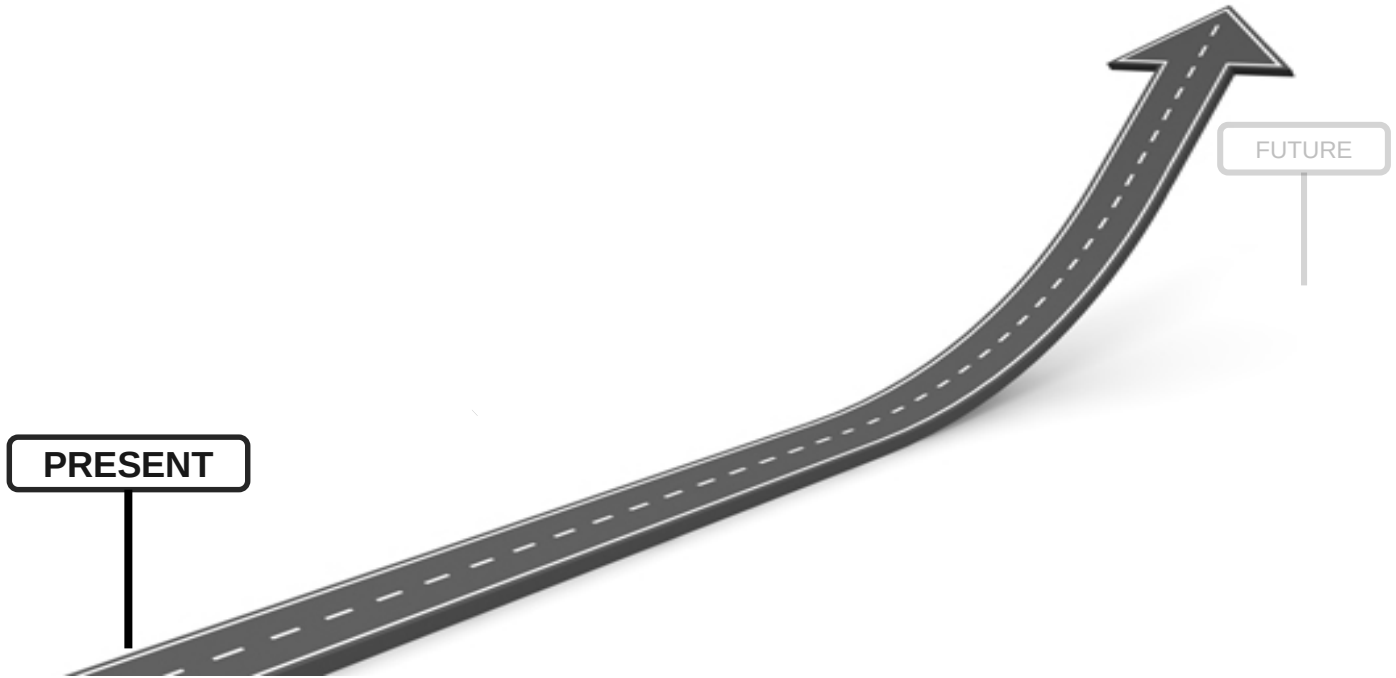
- Data Collection & Processing
- Networking & Integration
- Self-Organisation & Autonomy
- Assistance Systems
- Decentralization & Service Orientation

Author, © Continental AG

Industry 4.0

Our Way…in examples

1. Data Collection & Processing
2. Networking & Integration
3. Self-Organisation & Autonomy
4. Assistance Systems
5. Decentralization & Service Orientation



Industry 4.0
Our Way…in examples

Digital *Daily Report (1)*
Remote Maintenance (4)

1. Data Collection & Processing
2. Networking & Integration
3. Self-Organisation & Autonomy
4. Assistance Systems
5. Decentralization & Service Orientation

Industry 4.0

Our Way…in examples

Smart Devices for Fast Response (4)
Analyzing Datas for Predictive Maintenance (2)

1. Data Collection & Processing
2. Networking & Integration
3. Self-Organisation & Autonomy
4. Assistance Systems
5. Decentralization & Service Orientation

Industry 4.0

Our Way…in examples

(4) Personnel Shift Planning
(2 / 4) Advanced Training Planning
(4) Attendence Time Tracking

1. Data Collection & Processing
2. Networking & Integration
3. Self-Organisation & Autonomy
4. Assistance Systems
5. Decentralization & Service Orientation

Industry 4.0

Our Way…in examples

Driverless Transport System (3 / 4 / 5)
A-AGV (3 / 4 / 5)

1. Data Collection & Processing
2. Networking & Integration
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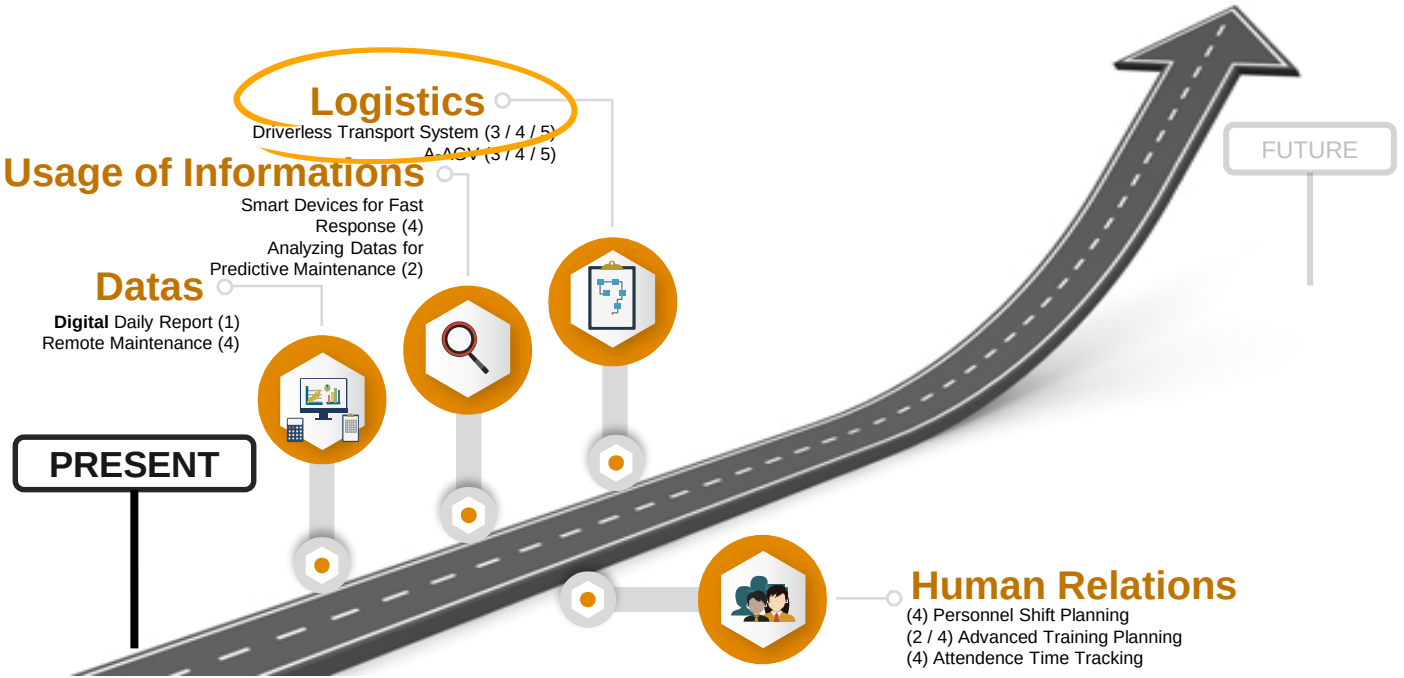


Industry 4.0

Our Way…in examples

Digital Dashboard (2 / 4)

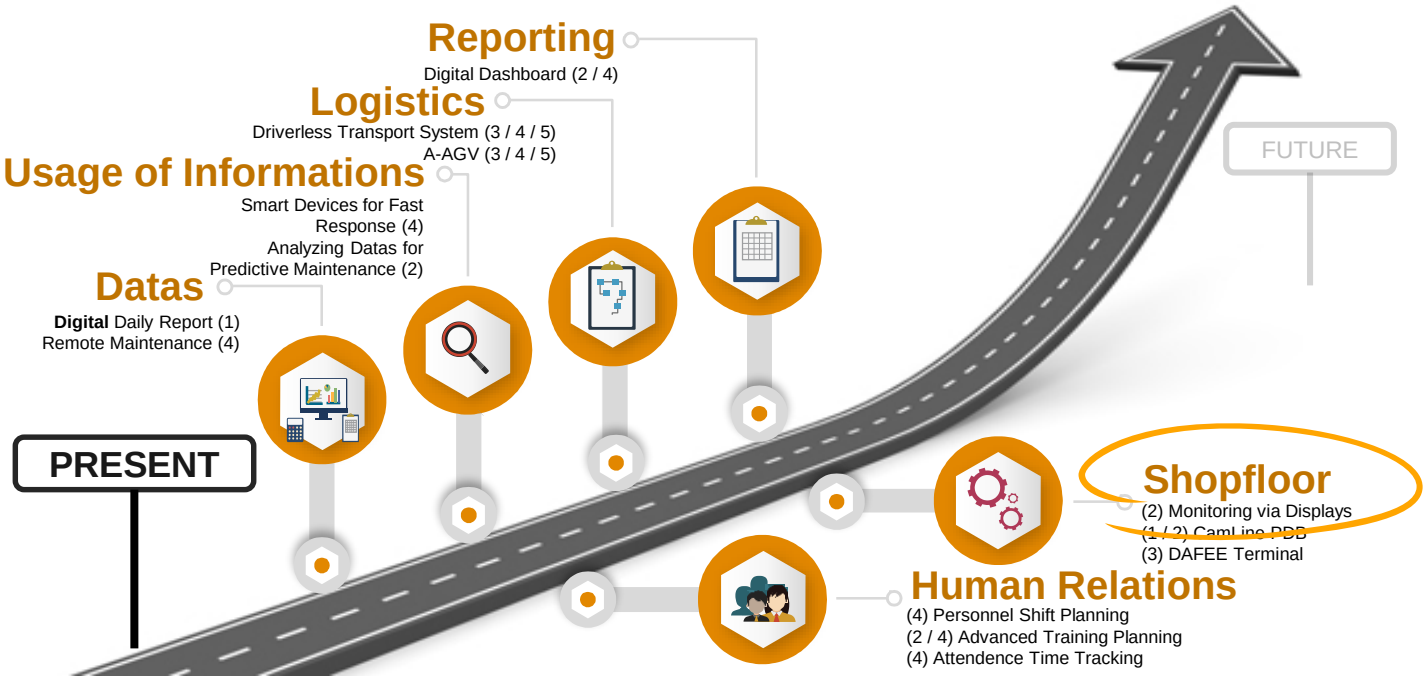
1. Data Collection & Processing
2. Networking & Integration
3. Self-Organisation & Autonomy
4. Assistance Systems
5. Decentralization & Service Orientation

Industry 4.0

Our Way…in examples

(2) Monitoring via Displays
(1 / 2) CamLine PDB
(3) DAFEE Terminal

1. Data Collection & Processing
2. Networking & Integration
3. Self-Organisation & Autonomy
4. Assistance Systems
5. Decentralization & Service Orientation



Industry 4.0

Our Way…in examples

3D Measuring (3 / 4)
3D Printing (3 / 4)

1. Data Collection & Processing
2. Networking & Integration
3. Self-Organisation & Autonomy
4. Assistance Systems
5. Decentralization & Service Orientation

Industry 4.0

Our Way…in examples

(1) OEE Analysis
(1 / 4) Spirit SAP

1. Data Collection & Processing
2. Networking & Integration
3. Self-Organisation & Autonomy
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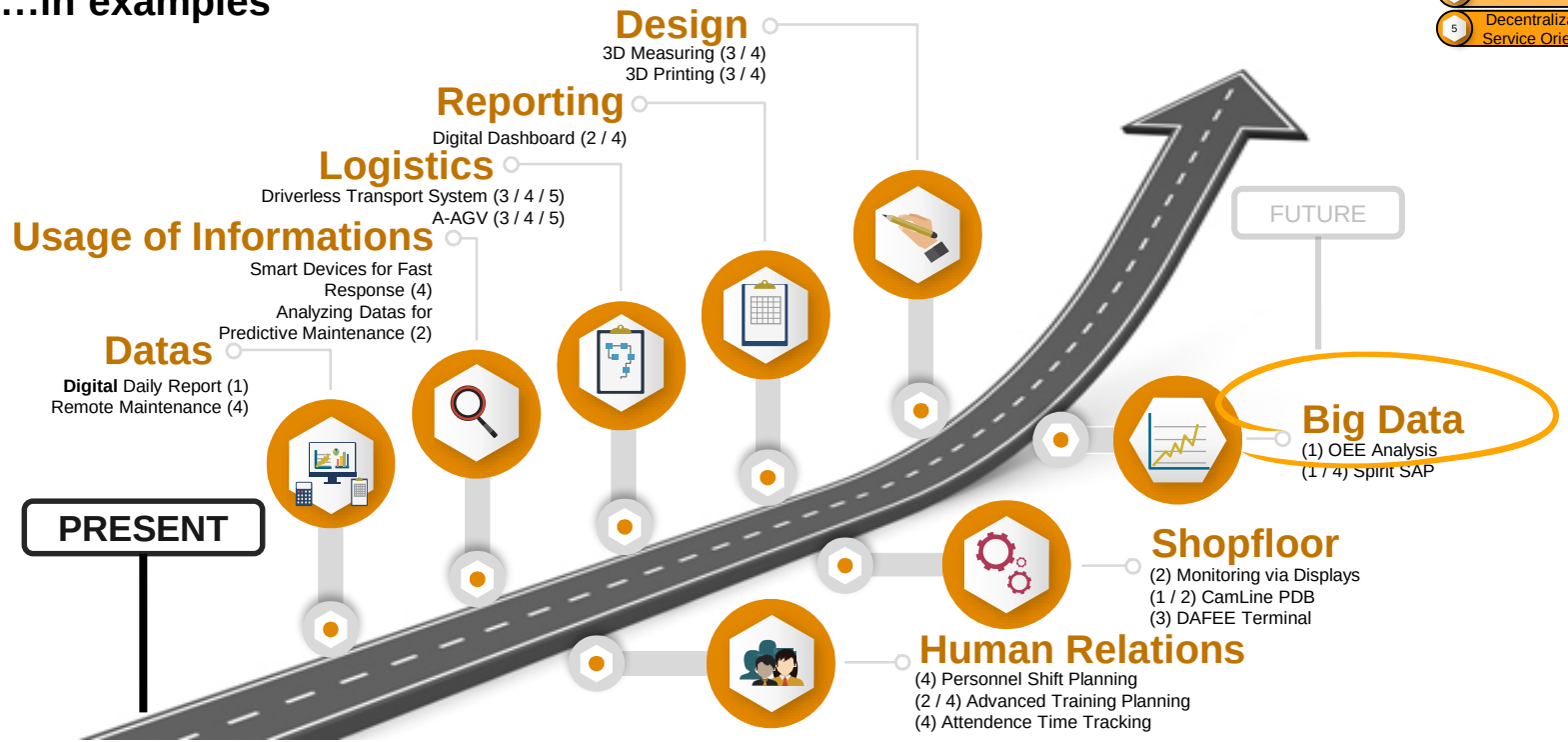
5. Decentralization & Service Orientation



(4 / 5) Gemba Assistance System

1. Data Collection & Processing
2. Networking & Integration
3. Self-Organisation & Autonomy
4. Assistance Systems
5. Decentralization & Service Orientation

Industry 4.0

Our Way…in examples

Industry 4.0

Our Way…in examples

1. Data Collection & Processing
2. Networking & Integration
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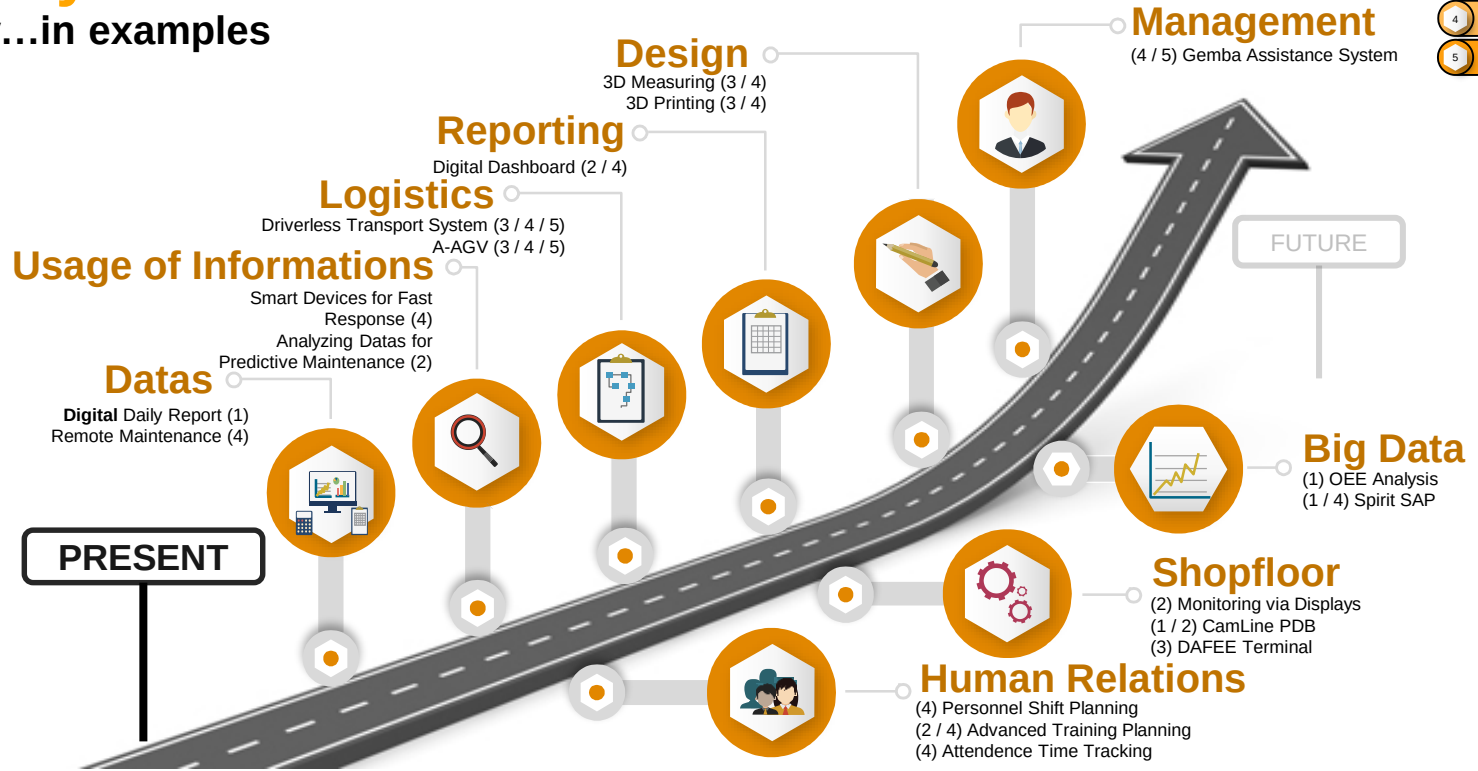

Industry 4.0

Our Way…in examples

1. Data Collection & Processing
2. Networking & Integration
3. Self-Organisation & Autonomy
4. Assistance Systems
5. Decentralization & Service Orientation

VIDEOS

1. Data Collection & Processing
2. Networking & Integration
3. Self-Organisation & Autonomy
4. Assistance Systems
5. Decentralization & Service Orientation

Industry 4.0

Overview / Summary