SECURITY
LICENSING
PERFECTION IN PROTECTION

IUNO

Bericht aus dem Forschungsprojekt IUNO
zu Identifizierung und Traceability von
Logistikobjekten mit einer neuen
Secure RFID-Reader Plattform mit OPC UA

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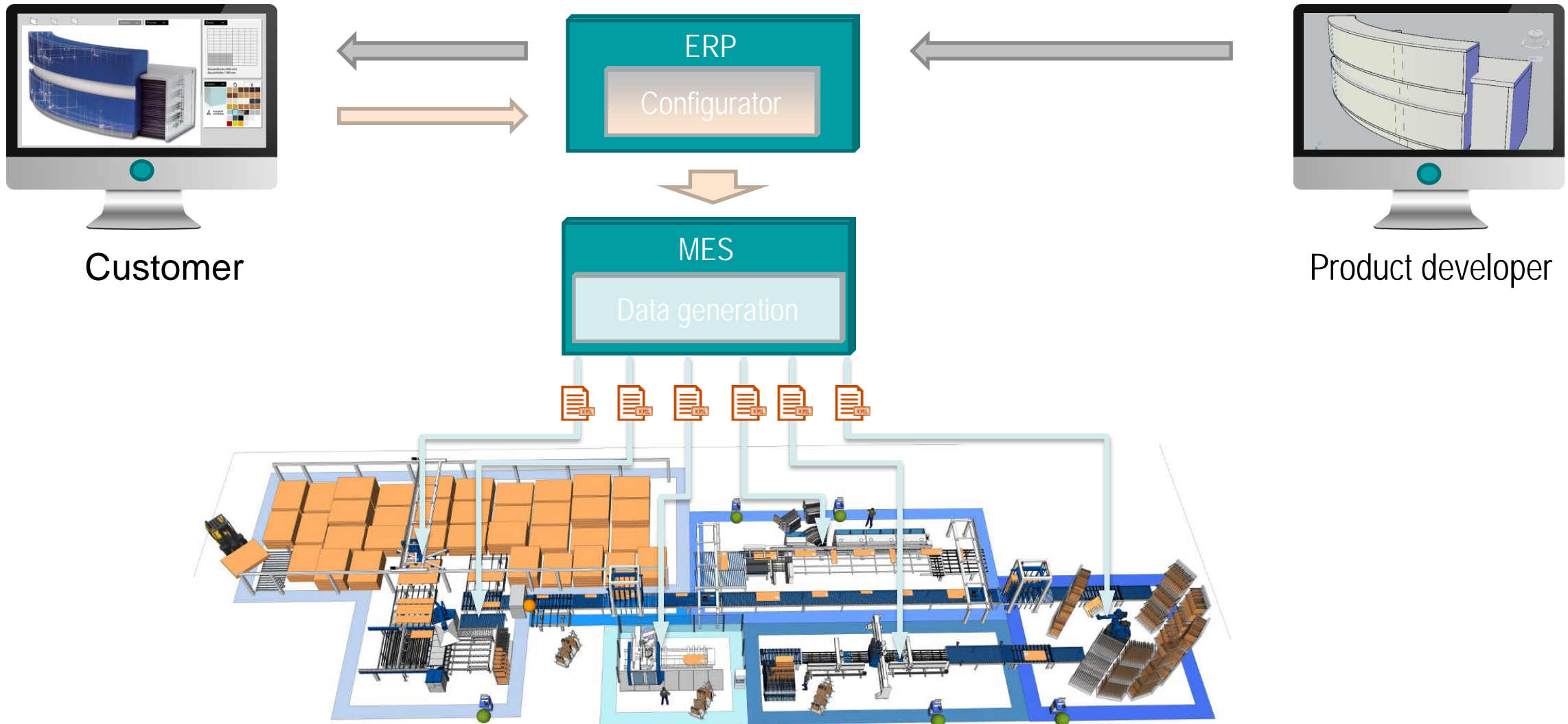
Customized Production
(Secure processes)
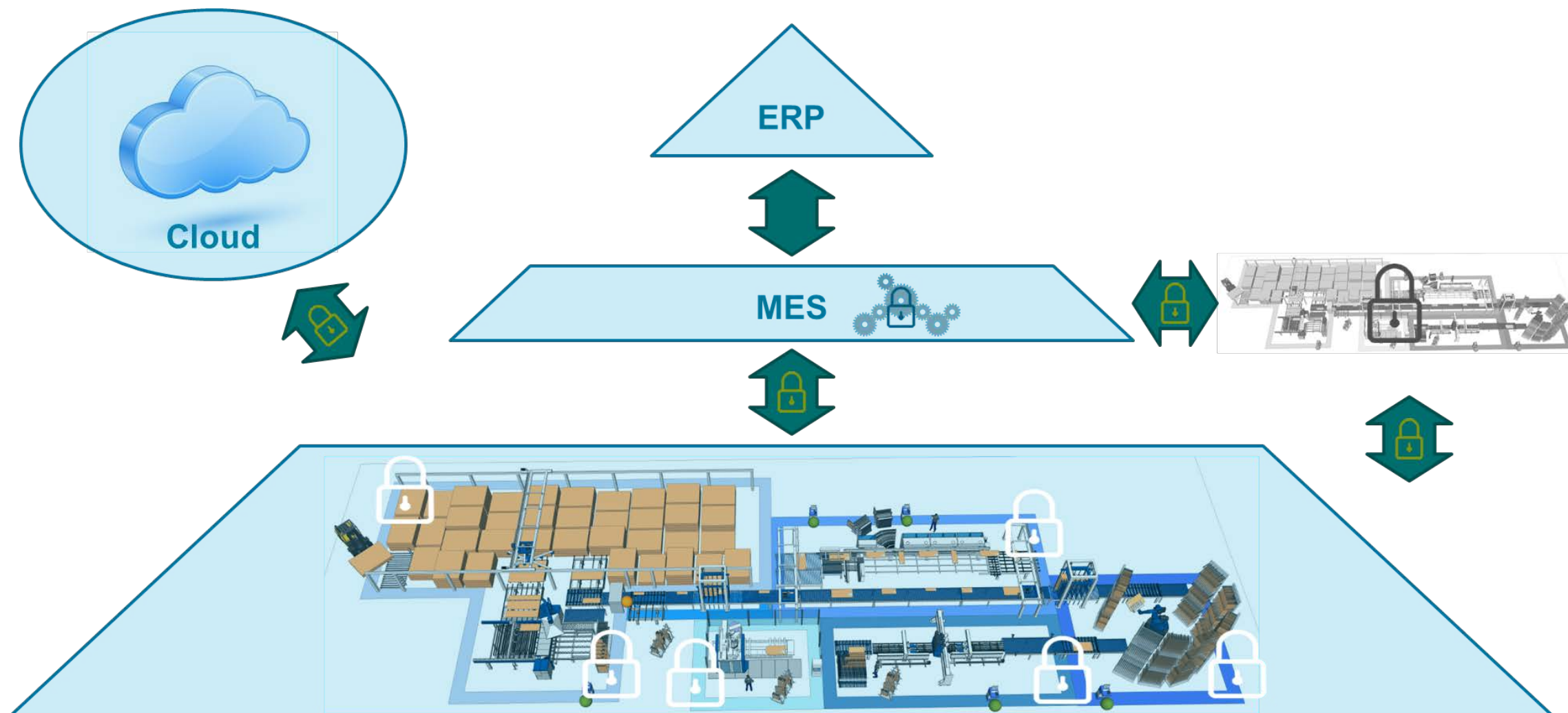
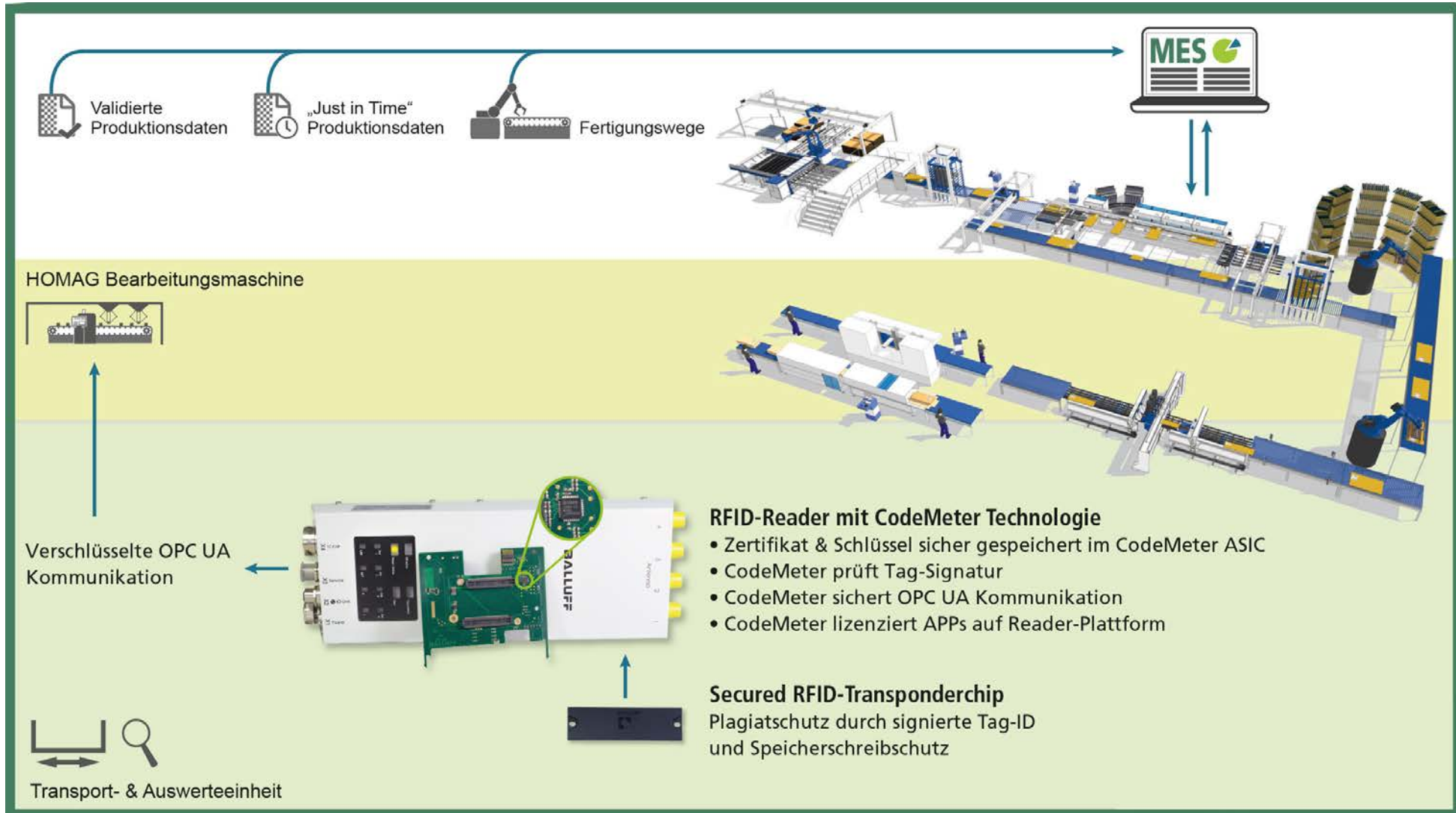- Secure autonomous configuration of production facilities
- Security analysis
- Digital identities for production systems
- Piracy protection

ERP

Configurator

Customer

MES

Data generation

Product developer

- **Balluff RFID System with integrated CodeMeter Technology**
  - CodeMeter ASIC as hardware based license and key store inside the reader
  - CodeMeter acts as certificate and key provider for integrated OPC UA server
  - Software components of RFID reader can be protected using CodeMeter AxProtector Technology
  - Signed RFID Tags to grant data integrity
  - Central management of certificates, licenses and keys
    - OPC UA as transport protocol inside the industrial network
    - CodeMeter License Central as central management system

- Multiple CodeMeter based security functions

- One platform – many security solutions

  - Licensed and secured Apps on the Balluff Reader

    - IP Protection - Copy Protection - Licensing

  - Signed Data on RFID Tag

    - Manipulation Protection - Workpiece Identification

  - Secure key provider for OPC UA

    - Component (Balluff Reader) identification - Encrypted and signed communication

WIBU-SYSTEMS AG

- Founded in 1989
- By Oliver Winzenried and Marcellus Buchheit
- Headquarters in Germany (Karlsruhe)
- **Focus on Protection, Licensing and Security**
- Technological leader with international patents
- ISO 9001:2015 certified

WIBU-SYSTEMS worldwide

- Subsidiaries in Seattle, USA – Shanghai and Beijing, China – Belgium – France – Ireland – Netherlands – Portugal – Spain – UK
- Exclusive distribution partners in Japan – Korea – Russia and many more countries
- Top 2 vendor in hardware-based protection
- Top 3 vendor in software licensing
- Global Awards

Many thanks for your kind attention.

Visit WIBU-SYSTEMS in **hall 6**, **booth C15**,

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