

KMUsense 4.0

Integrated methodology for productivity increases in process chains based on real-time production data

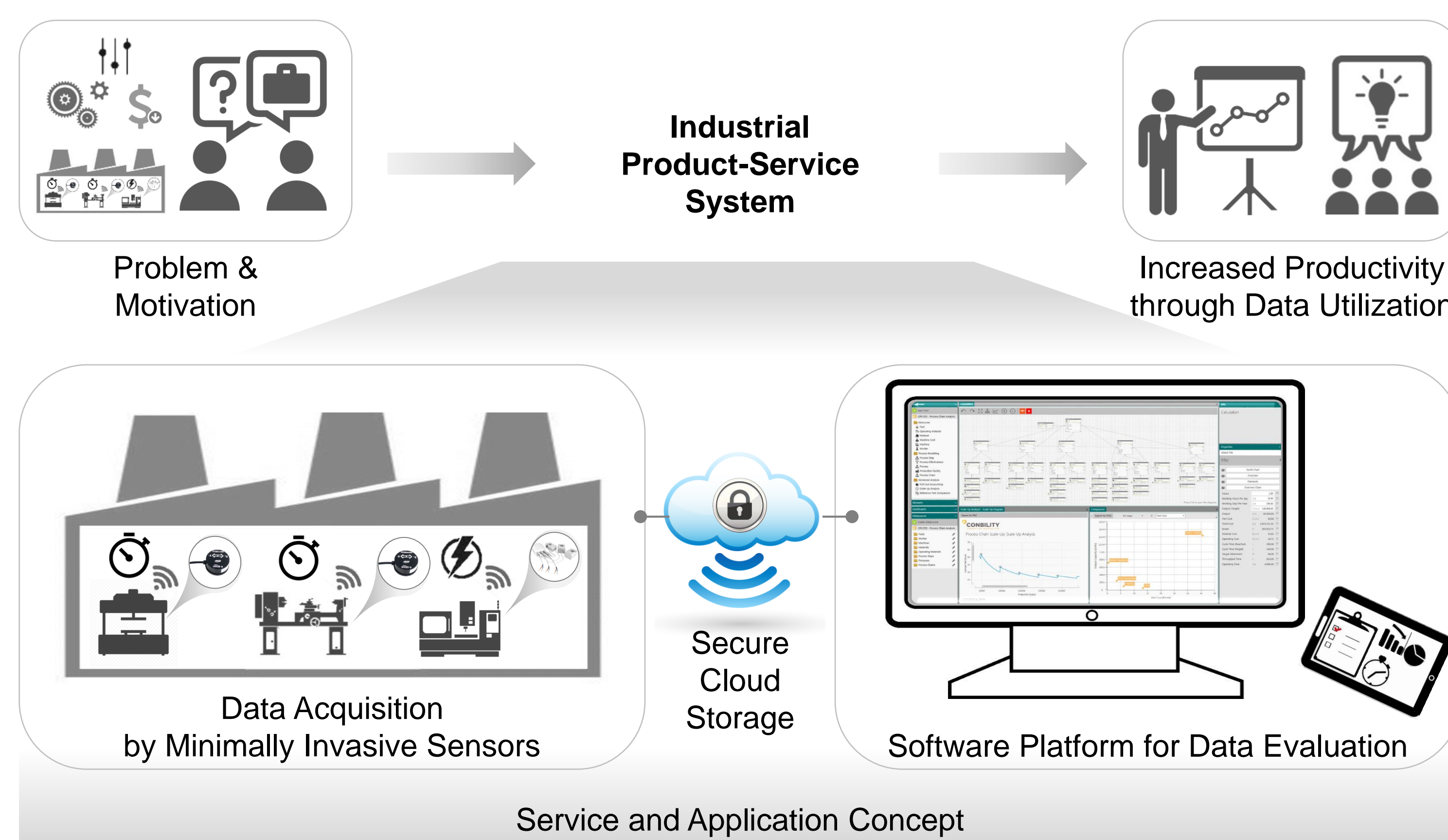
Project Target

Development of an industrial product-service system consisting of software, hardware as well as service and application concepts to support SMEs in increasing productivity through enhanced production data availability and use in the context of Industry 4.0

Initial Situation

- Uncertain benefits of Industry 4.0 for SMEs
- Costly machine electronics for Industry 4.0
- Complex machine adjustments and new machine investments required for data acquisition
- Productivity potential due to insufficient data collection and use, especially for SMEs
- Complex and training intensive software for data evaluation
- Concerns regarding IT security
- Lack of SME-oriented Industry 4.0 potential assessment

Project Approach



- Data acquisition by attaching standard sensors to existing machines
- Minimally invasive sensors - No intervention in machine electronics
- No investment required for new machines
- Development of new IT security concepts for secure data exchange
- Flexible data evaluation by using apps to realize productivity increases
- Development of suitable application and service concepts for SMEs

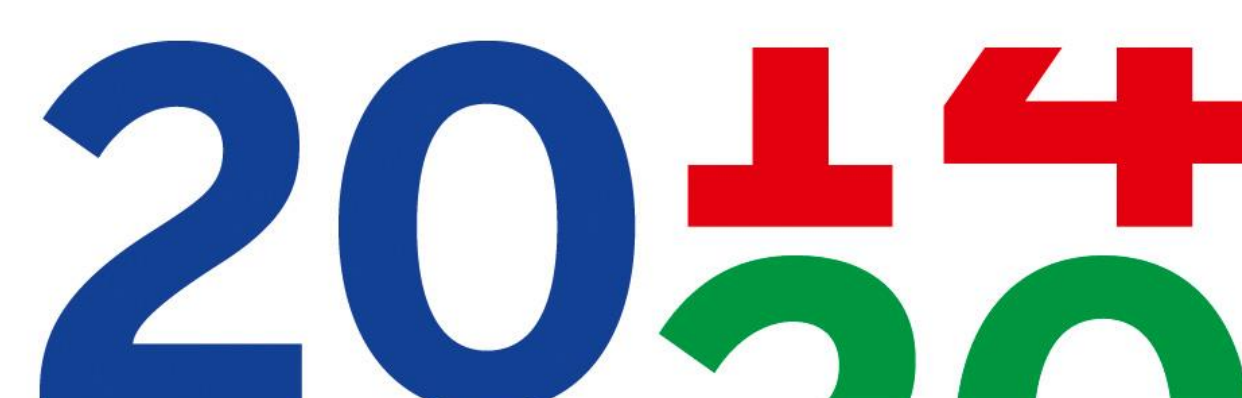
Project Partners



Associated Partners



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