



IoT Quick Check – Is your business ready?

Challenges für Unternehmen

- What is the right strategy for IoT projects? What is a valid use case for the right start?
- Which services and tools are best suited and available for support?
- How are the organization, responsible parties and processes prepared for the Internet of Things?

b.telligent's Kompetenzgebiete

- Data Strategies
- System Architectures with Cloud Components
- Edge Computing & Connectivity
- Further expertise:
 - Business Intelligence, Customer Relationship Management, Data Warehousing, Big Data, Data Science and Cloud Technologies

Check



Design



Build



Run



Optimize





The 6 aspects of the IoT Adoption Framework

Business Objectives

Identification of a business problem and subsequent development of an appropriate solution strategy.



01

Connectivity

Flexible and scalable to meet the requirements for a wide range of even future IoT use cases and device types.



02

Edge Computing

Standards that are currently already in widespread use, newcomers and older communication standards must be interconnected and end-to-end connectivity must be ensured.



03

Cloud Computing

Within the cloud, the focus is on data processing, storage and management, as well as the provision of tools and services for the following phases.



04

Data Analytics

Get value from your IoT data. Create the foundation for future AI & ML applications.



05

Business Application

Finally, every IoT project also consists of a business application. This contains customer- or device-side functionalities that use insights to develop added value.



06



Workshop results

Business Objectives

- Roadmap for the implementation of an IoT use case
- Identification of the current state and definition of a target picture

Connectivity

- Evaluation of existing communication standards
- Preparation of a data flow diagram with the standards used

Edge Computing

- Definition of an Edge Architecture

Cloud Computing

- Create a possible Azure target architecture

Data Analytics

- Define the foundation for the future development and use of Machine Learning models and Artificial Intelligence.

Business Application

- Evaluation of dependencies to other processes and systems in the company and their consideration for a holistic solution.

Agenda Workshop*



- 01 | As-is Shopfloor**
Source systems and communication protocols (MQTT, OPC-UA, CoAP, ...)
- 02 | As-is Edge Tier**
Brief overview of existing Edge Devices and compute capacity
- 03 | As-is Data landscape**
Brief overview of existing ERP, MES und SCADA Systems
- 04 | Existing Use Cases**
Analysis of existing use cases and survey for future use cases
- 05 | Top Use Cases**
Selection of one to two use cases for target infrastructure and tool selection
- 06 | To-be target architecture**
Outline and discussion of a possible Azure target architecture and ways of working
- 07 | Definition of essential conditions**
Organization, processes, technologies, connectivity, processing types and tools

* For remote workshops, a split into 2 parts has proven effective.