



Maintaining competitiveness is of the utmost importance for manufacturing companies. Sustainability has a major impact on competitiveness as the understanding of society changes. Today and in the future, end customers will increasingly base their purchasing decisions on sustainability-oriented indicators. This applies to the purchase of a machine tool just as it does to the purchase of a washing machine. Companies must define future-oriented sustainability strategies and support their implementation with IoT use cases. In this respect, digitization is a strategic success factor for shaping a responsible future.

## Master thesis 'IoT use cases in sustainability strategies for manufacturing companies'

### Tasks:

- Definition of sustainability,
- Specification of sustainability strategies,
- Identification and description of IoT use cases in manufacturing industries,
- Evaluation of the influence of IoT use cases on the sustainability of manufacturing companies,
- Development of roadmaps for sequential implementation of the defined sustainability strategies.

### Qualification / profil:

- Student(s) from the fields of industrial engineering, environmental engineering or mechanical engineering
- Independence and reliability,
- careful working methods,
- very good MS-Office and Citavi knowledge.

### We offer:

- Complex and highly topical task whose results can be evaluated directly in a research project,
- Topic that is used in practice,
- the possibility of flexible time management and independent working,
- constructive and continuous support through regular feedback loops in the form of on-site meetings.

### Contact for:

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