

## Development and evaluation of software prototypes for specific SMART maintenance problems



### Masterthesis

At STIWA Advanced Products (STIAP) in Gampern, we offer you the opportunity to solve real-world problems in the field of smart maintenance using software by applying state-of-the-art AI and data analysis methods, ranging from statistical models to machine learning and foundation models. We provide the ideal environment, including relevant data and systems, as well as intensive technical support. Use this to develop functioning software prototypes that will have a real impact on industry and to write an outstanding, practice-oriented thesis.

### Motivation

- Researching state-of-the-art technology: Analysing current AI solutions in industrial maintenance
- Identifying and solving problems: Identify STIAP-specific challenges and develop innovative software solutions
- You are studying software engineering, data science, artificial intelligence or a comparable degree programme
- Enthusiasm for Industry 4.0, data analysis and independent, solution-oriented work
- Good German and English skills
- Programming experience with Python is advantageous

### Goal

- Create impact: Implement a functioning proof of concept and evaluate its feasibility and benefits

### Tasks

- Real-world project: A highly topical task with direct industrial relevance
- Optimal environment: Intensive support from experts, access to production data and systems, deep insights into cutting-edge technologies
- Career boost: Gain valuable practical experience and bring your ideas to life



## PLEASE CONTACT US

### Send your complete application documents to:

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