KOMPTECH

Offene Masterarbeit | Open Master Thesis

Machine data and usage-pattern analysis

Inhalt | Content

Komptech GmbH, located in Frohnleiten, is a leading international technology supplier of machinery and systems for the mechanical and mechanic-biological treatment of solid waste as well as the treatment of biomass as a renewable energy source. The product range includes over 30 different types of machines, that cover all key process steps in modern waste handling – shredding, separation and biological treatment.
Komptech delivers machines with new sensor technology and connectivity to gather relevant machine use date (temperature, pressure, rotation speeds, …) and create additional value for customers. Based on the machine data gathered, a concept for an analysis tool should be developed. The concept should enable identification of usage patterns, in order to compare and visualize it. Further, critical usage behavior should be identified and countermeasures conceptualized.

Tasks:

- Analysis of existing machine data
- Comparison and visualization of machine performance
- Analysis of usage patterns and their influence on machine performance/endurance
- Coordination with company experts to identify optimization potential for machine operation

We offer an interesting task and the opportunity to work with an industrial partner. Data analytic skills are advantageous for this work.

Sonstiges | Misc

Duration: 6 Months
Start: immediate start possible

Kontakt | Contact

Dipl.-Ing. Patrick Herstätter
p.herstaetter@tugraz.at

TU Graz