In order to grow together and to take on the challenges of tomorrow, we are looking for you for our location in **Ellwangen**

Student (f/m/x) for cooperative master thesis
KIT, Mechanical Engineering – VARTA: Laser structuring of commercial anodes for Lithium-ion batteries

KIT – one of the largest scientific institutions in Europe, creating knowledge for society to overcoming global challenges through groundbreaking research contributions in the fields of energy, mobility and information and

VARTA – a german developing and manufacturing company of future-oriented energy storage solutions

Your tasks

- Preparation and optimization of laser-structured commercial electrodes in lab environment and adjusting of respective process parameter
- Fabrication / assembly and electrochemical characterization of Lithium-ion batteries
- Post mortem analysis of Lithium-ion batteries
- Evaluation of laser process implementation and identification of challenges regarding upscaling
- Close collaboration with our development teams at VARTA and KIT for next steps

Your skills

- Mechanical Engineering with focus on process engineering, material science, physics, chemistry, or comparable profiles
- High affinity to experimental tasks and interested in battery technology
- Good communication skills, team–minded, ability to work independently

What we offer

- Deep dive into state-of-the-art battery development and production processes
- Supervision by our cell and process development engineers
- Support for search for accomodation
- Monthly allowance of 1.100 €

Contact: Hans-Peter Strebel (07961 921 2731)

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