



In order to continue to grow and take on the challenges of tomorrow, we are looking for you as

# Student for final thesis: Advanced operation management for residential energy storage systems

We make people more independent.

Our customers by our battery technologies. Our employees by more independence. Because as a traditional regional company, VARTA offers you a secure job in a strong team. And as a technology-leading global brand, VARTA offers you creative freedom in exciting projects and tasks in the future market of innovative energy solutions.

## Your Tasks

- Benchmarking of short-term electrical load forecasting methods based on literature analysis.
- Optimizing data collection, data processing and energy load forecasting methods for residential energy storage systems by using empirical load profiles.
- System integration on existing VARTA products.
- Verifying the operation management by hardware tests and/or simulation

## Your Skills

- Computer science or electrical engineering with some background in data science or machine learning
- Good programming skills (e.g. Python, C++)
- First experience with statistical methods (e.g. regression analysis, ARIMA, machine learning etc.)

- Good communication skills, team –minded, work independently

You can expect exciting tasks in a motivating environment characterized by a dynamic corporate culture and individual development opportunities. And all this with attractive remuneration and many other benefits. If you want to help us make people more independent, we look forward to receiving your application!

Contact: Caroline Albrecht, HR Business Partner (07961 / 83 499)

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