



LION Smart GmbH is an innovative engineering service company for electric energy storage and battery system technology. The company develops battery packs, battery management systems and operates with TÜV SÜD Battery Testing GmbH test facilities and laboratories for electric storage devices.

Internship / Thesis in Mechanical Simulation

Your main tasks:

- Performing Finite Element Analysis of system structural and mechanical components
- Determining component strength as well as fatigue and fracture life
- Interpret FEA results and convert them to design suggestion

Your profile:

- M.Sc. Student in Mechanical Engineering, Computational Sciences in Engineering, Power Engineering or another relevant discipline
- Good knowledge in Finite Element Methods
- Good problem solving and communication skills
- Sufficient knowledge in fluid mechanics and thermodynamics
- Some knowledge in Computational Fluid Dynamics
- Some experience in using ANSYS Fluent and CalculiX

What we offer:

Our ambitious international team develops innovative technologies using agile processes. At LION Smart we believe in flat hierarchies. As a member of the LION Smart community you will have the opportunity to contribute your own ideas and to actively shape the development process.

Our company culture is characterized by open communication, a positive work place atmosphere and flexible working time schemes.

Did we spark your interest?

Then we look forward to receiving your resume, including CV, salary expectations and preferred starting date.

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