



Karrierestart bei Saint-Gobain:  
**BEEINDRUCKT VON ANFANG AN.**

**I said I was looking for an exciting job. Saint-Gobain replied: Is it enough that we equipped James Bond?**

We are looking for a motivated employee as of 15th January 2023

## Master thesis in the field of Digital & Electronics

### We offer:

- > Comprehensive insight into the modern operation and work organization of an industrial company
- > Challenging, versatile and exciting tasks
- > Innovative and international environment
- > Flexible work time models
- > Market-Oriented traineeship remuneration

### Your tasks:

- > Development of multi-physics simulations of electric vehicle battery systems undergoing thermal runaway and under normal use, e.g. thermal management and cell swelling
- > Prepare and perform simulations (Design of Experiments, parameter studies, sensitivity analysis)
- > Analyse results and summarize key findings
- > Carry out and synthesize literature research in the field of battery modelling
- > Derive optimisations of our products and their integration into the battery module / system

### Your profile:

- > Registered student (m/f/d) in the field of Mechanical/Electrical Engineering, Computational Mechanics/Engineering, Physics or similar
- > Profound knowledge of modelling and simulation of thermal, electrical and/or mechanical systems is necessary
- > Basic knowledge of simulation software is an advantage (e.g. Abaqus, Ansys, Matlab, Nastran, ...)
- > Experience in programming is required, e.g. Python, C++, Matlab or similar
- > Basic knowledge of battery technology and electrical engineering is beneficial

We look forward to meeting you!

Innovation ranks first at Saint-Gobain Research Germany. With our international team over 230 employees we develop and optimize highly innovative glass technologies. For more information:

[www.saint-gobain-sekurit.de/innovation](http://www.saint-gobain-sekurit.de/innovation)

### Welcome to Saint-Gobain

"MAKING THE WORLD A BETTER HOME" - that is our purpose. We develop, produce and distribute materials and solutions for the construction sector and various industrial markets with our large brand portfolio in a continuous innovation process. As a global top employer with around 170,000 employees in over 70 countries worldwide, we combine sustainability and performance.



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**Please use our application form by pushing the button "APPLY ONLINE" in our job offers on:**

[www.saint-gobain-sekurit.de/karriere](http://www.saint-gobain-sekurit.de/karriere)