



Internship in our R&D department (f/m/d)

At Hitachi Energy our purpose is advancing a sustainable energy future for all. We bring power to our homes, schools, hospitals and factories. Join us and work with fantastic people, while learning and developing yourself on projects that have a real impact to our communities and society. Bring your passion, bring your energy, and be part of a global team that appreciates a simple truth: Diversity + Collaboration = Great Innovation

Hitachi Energy's Surge Arresters are found in a fast growing number of applications worldwide. In our R&D department in Wettingen, we are developing the next generation of surge protection technologies and products for a stronger, safer and greener power grid. We are currently offering outstanding students the chance to join our multidisciplinary team of researchers in the field of metal oxide varistor technology. In the frame of a six-month internship scheduled to start in March or April 2023, you will be able to put theory into practice by contributing to one of our innovation projects.

Your responsibilities

- Contribute to key research projects focusing on metal oxide varistor materials and their manufacturing processes
- Analyze test samples using various characterization techniques
- Obtain an understanding of the relationship between process parameters, microstructure, and material characteristics
- Document findings in reports and present test results to the research team
- Literature survey

Your background

- Currently pursuing a degree in Materials Science/Engineering or a related discipline (official enrollment is essential)
- Experience in ceramics and sinter technology of advantage
- Experience in laboratory work and background knowledge in material analysis methods such as microscope, SEM and spectroscopy
- Enthusiastic, self-motivated mindset and ability to work independently
- Highly conscientious individual with keen sense of responsibility
- Fluent command of English, both written and spoken (German language is a plus)

More about us

Hitachi Energy is a global technology leader that is advancing a sustainable energy future for all. We serve customers in the utility, industry and infrastructure sectors with innovative solutions and services across the value chain. Together with customers and partners, we pioneer technologies and enable the digital transformation required to accelerate the energy transition towards a carbon-neutral future. We are advancing the world's energy system to become more sustainable, flexible and secure whilst balancing social, environmental and economic value. Hitachi Energy has a proven track record and unparalleled installed base in more than 140 countries. Headquartered in Switzerland, we employ around 40,000 people in 90 countries and generate business volumes of approximately \$10 billion USD. www.hitachienergy.com

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