



R&D Intern in Reliability & Diagnostics 80 - 100% (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 Research organization is developing the foundations for the next generation of Power Grids products. The Hitachi Energy Research Centre in Switzerland is in Baden-Dättwil, close to Zurich. The group “Electromechanics Integration” focuses on interdisciplinary research including reliability, predictive maintenance and diagnostics to be implemented in the company’s next generation of products. We are currently offering high-calibre students the chance to join our multidisciplinary team of researchers in the field of reliability. This is an outstanding opportunity for you to put theory into practice. A better world begins with you!

Your responsibilities

- Applied research with focus on improvement of high voltage devices’ reliability
- Performance of failure root cause analysis, based on experimental results, technical reports and related literature
- Development of data-driven and physical models with focus on high voltage circuit breaker failure diagnostics and prognostics
- Performance of mechanical and high voltage experiments
- Document findings and present results to the team

Your background

- Degree program (official enrolment is essential) in Mechanical/Electrical engineering or similar discipline (completion of at least six semesters)
- Very good Python programming skills
- Enthusiastic, self-motivated mindset and ability to work independently
- Highly conscientious individual with keen sense of responsibility
- Fluent command of English, written and spoken
- Duration: 6 months with possibility to extend, starting date: upon agreement

Due to Swiss law, for foreign non-EU students, the internship must be a mandatory part of the study program

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 38,000 people in 90 countries and generate business volumes of approximately \$10 billion USD. www.hitachienergy.com

Interested in joining our team? If so, we look forward to receiving your full application (motivation letter, CV, references) only via our online careers tool.

Hitachi Energy Switzerland Ltd.
Sonia Canelada Granizo
Talent Acquisition

Location	Baden-Dättwil,Aargau,Switzerland
Business Unit	Business Function Technology
Publication Start Date	06.07.2022
Job Function	Research and Development
Publication ID	CH53247262_E1