

GRZ Technologies Ltd. is a young and dynamic company active in the field of energy technology. Backed by several industrial partners, we develop innovative hydrogen technologies. Our company is based in Avenches (Switzerland) and easily accessible by public transport.

We offer an exciting working environment within an innovative and international team. We cultivate an entrepreneurial spirit and are oriented towards the development of our collaborators to achieve our ambitious goals.

Since the company is in a phase of growth, many opportunities for professional development exist. To expand our team, we are looking for a

PhD Student (100%)

Your responsibilities

- Improve and develop thermal models for the different products, including metal hydride compressors, storage systems and methanation reactor
- Analyze and investigate experimental results
- Collaborate with process engineering and material science teams to find innovative solutions for complex industrial products

Your profile

- Completed (or almost completed) Master degree in chemical/mechanical engineering
- Strong knowledge in heat transfer, chemical engineering, thermodynamics, fluid dynamics and simulations/modelling
- Excellent communicator, flexible, autonomous and open to new challenges
- Excellent analytical thinking and creative development of solutions
- Independent, precise, and responsible working style
- Very comfortable with programming in a high level language (Python, MATLAB)
- Knowledge of a commercial software (COMSOL, ANSYS) is an advantage
- Have experience in data analysis; additional experience in experimental work is a plus
- Fluent in English; German and/or French is a plus

We offer

- A unique opportunity of carrying out cutting-edge energy-related research in a fast growing Swiss start-up along with academic supervision from one of the leading engineering institutions in Europe with great visibility worldwide
- A dynamic, innovative and international working environment
- Many opportunities for professional development alongside academic growth in a future-oriented company

Interested?

Do you have the skills and experience needed, and are you ready to take on a new challenge?

We look forward to receiving your complete application by e-mail at:

phdstudent@grz-technologies-sa.odoo.com.