INTERNSHIP OFFER: DEVELOPMENT & TESTING OF AN INNOVATIVE HEAT EXCHANGER

Presentation of the company

EIFHYTEC is an independent French and European industrial start-up located in Strasbourg and Haguenau, in Northern Alsace (France). We are specialized in the development and industrialization of hydrogen infrastructure solutions for the energy transition. In particular, EIFHYTEC develops non-mechanical hydrogen compressors for green hydrogen transport and hydrogen filling stations. EIFHYTEC has launched an R&D programme aimed at optimising existing solutions and developing new products.

Description of the position

Heat exchange is an important issue in the technologies developed by EIFHYTEC. EIFHYTEC is looking for a trainee engineer to contribute to the design, development and realisation of innovative heat exchangers as part of a research and demonstration programme. The trainee will work closely with one of the engineers in the design office and the production manager.

The trainee's tasks will include

- Designing an innovative heat exchange system in collaboration with the design engineer, based on the company's know-how (geometry, flow rate, technical and economic feasibility)
- Modelling the energy performance of the heat exchanger using dedicated simulation software (Autodesk, Comsol, or equivalent)
- Manufacturing of a heat exchanger prototype in the workshop in collaboration with the production team (choice of components, consultation of subcontractors, contribution to the assembly of the product)
- Technical and economic analyses
- Literature review on the state of the art, intellectual property and regulations

Type of contract: Internship contract

Location: Haguenau
Salary/gratification: ~900€/month

Profil

We are looking for a student with an engineering background with a specialization in energy sciences (or equivalent). The student should be in the final year of study and seek an end-of-study internship where he/she can apply his/her technical and transversal skills.

We are looking for a person who is passionate about energy transition issues from a global point of view, but who is also able to be involved on the long term with rigour and steadiness in the technical development of high tech components.

The student must have an excellent command of heat exchange phenomena, ideally with knowledge of at least one thermal simulation software (Comsol, Autodesk or equivalent). He/she must show a great autonomy and a strong capacity to take initiatives within a small structure where the involvement of each person counts.

Given the European dimension of the team, an excellent command of English is mandatory and knowledge of German and/or French is highly desirable.

Contact :

For more information or to send your application, please contact: info@eifhytec.com
Internship Offer reference: S2104
You may also visit the EIFHYTEC website: www.eifhytec.com