

## Fuel Cell Systems Engineer

La Rochelle (Lagord), France

### About Genevos – Decarbonising the maritime sector

**A unique opportunity to play a key role in the innovation of zero emission hydrogen-electric power solutions to replace fossil fuels onboard vessels.**

Genevos is a leading developer of fuel cell electric powertrain technologies for marine applications in to accelerate the shift towards clean energy for the maritime sector. Genevos produces innovative fuel cell power modules that convert green hydrogen and other lower carbon e-fuels into clean power in order to decarbonise ferries, work boats, shipping and pleasure craft.

### Culture

Genevos is driven by a strong team of self-driven individuals who take initiative in their work, are creative and thrive off solving engineering challenges.

If you are passionate about enabling positive environmental change and are looking to play a key role in a fast-growing start-up, then Genevos could offer you the adventure and fulfilment that you are looking for.

### The Role

Genevos is recruiting an experienced Fuel Cell Systems Engineer to be a core part of the product development team to engineer high power fuel cell systems for clean maritime applications.

Reporting directly to the Technical Manager, the role includes the following responsibilities:

- Designing the new fuel cell system products at Genevos, and playing a key part in the concept definition for maximising efficiency, durability and fuel compatibility;
- Define the fuel cell power systems architecture;
- Perform fluid and electrical calculations to optimise sizing of fuel cell stacks, balance of plant and hydrogen delivery system;
- Coordinate and develop relationships with key suppliers around fuel cell and hydrogen systems;
- Participate in the industrialisation process of products through applied design-to-manufacture, taking into account cost targets, assembly time and serviceability, with cross-departmental collaboration;
- Develop and contribute to Risk Based Design processes including HAZID, HAZOP & FMECA, whilst respecting marine certification guidelines;

- Define the logic of the safety control system, incorporating pressure sensors, hydrogen sensors, ventilation, backup power, emergency ventilation, and emergency control systems in relation to the identified failure modes;
- Lab testing of the prototype – calibration and validation of safety control systems (pressure and hydrogen sensors), operational modes, and power management strategy;
- Conduct tests and simulations necessary for system validation;
- Participate in the continuous improvement of our products;
- Collaborate with other engineers and technicians to solve technical problems;
- Provide technical support to internal and external teams;
- Occasional travel may be required.

### **Experience / Qualifications**

- Minimum of 5 years of professional experience in fuel cell systems design and/or hydrogen systems engineering
- Required skills:
  - Fuel cell systems design
- Ideal skills and experience in any of the following spheres of engineering:
  - Fluid mechanics and CFD
  - Power systems architecture
  - Mechanical design
  - Heat transfer and cooling system design
  - Risk-based design process
- Education: Technical master's degree
- Demonstrated ability to support projects from conception to completion;
- Comfortable in both English and French languages

### **Personal Skills**

- Self-organised with capacity to prioritise, manage time effectively, multi-task, and adapt;
- Results-oriented and continuous improvement approach;
- Excellent interpersonal skills and a strong sense of ethics.

### **Additional Information**

- Work Location: Lagord, Charentes-Maritimes, 15 minutes from La Rochelle by bike;
- Contract: Permanent & full time (CDI);
- Start: Immediate.

### **Contact**

If you are interested in applying for this role, please send you CV and covering letter to [careers@genevos.com](mailto:careers@genevos.com)

**Only qualified applications will be considered.**

*Application submissions will be stored confidentially. Please refer to our privacy policy for more details [www.genevos.com/privacy-policy/](http://www.genevos.com/privacy-policy/)*