CFD Engineer

La Rochelle (Lagord), France

Join Genevos — Powering the Future of Clean Maritime Energy

At Genevos, we are on a mission to decarbonize the maritime sector. Our cutting-edge fuel cell technologies replace polluting combustion systems with clean, high-efficiency energy solutions, helping the shipping industry move decisively toward net-zero emissions.

We design and industrialize modular power systems that convert alternative fuels such as hydrogen, LNG, and methanol into electricity with exceptional efficiency and dramatically reduced emissions. Joining Genevos means contributing to innovative technology that makes a real-world environmental impact.

Why Work with Us

Genevos is a fast-growing, mission-driven company where ownership, creativity, and collaboration define our culture. You'll work alongside passionate engineers, technologists, problem-solvers, administrators, and leaders tackling high-impact challenges that advance sustainable maritime transport.

If you're motivated by innovation, energized by responsibility, and eager to contribute to meaningful environmental progress, you'll thrive at Genevos.

The Role

We are seeking an experienced CFD Simulation Engineer to strengthen its product development team. You will play a key role in the design, simulation and thermofluidic validation of innovative subsystems integrated into our marine fuel cell solutions.

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

- Modelling and simulation of air and thermal fluid flows up to 750°C in internal and external environments (manifolds, heat exchangers, enclosures, ventilation spaces, etc.);
- Analysis of heat transfer and thermal-mechanical coupling for the design of reliable and efficient systems;
- Contributing to product design (choice of architectures, heat exchanger sizing, pressure drop optimisation, overall thermal management);
- Interpretation and synthesis of simulation results to inform mechanical design and system architecture choices;
- Participation in experimental validation: preparation, monitoring and correlation between CFD results and real-world tests;
- Drafting technical reports (assumptions, modelling, results, recommendations) and presenting them at design reviews;
- Contribution to R&D activities on thermofluid phenomena specific to high-power fuel cells.

Qualifications & Experience

- At least 5 years' experience in CFD simulation applied to the design of thermal products or systems;
- Strong understanding of high-temperature flow, convection and heat transfer phenomena;
- Proficiency in CFD simulation software
- Knowledge of mechanical design tools (e.g. SolidWorks);
- Ability to use simulation results to guide design and experimental validation;
- Education: Mechanical or energy engineer or equivalent;
- Professional English required (technical meetings, documentation).

Additional skills appreciated:

- Scripting skills (Python, MATLAB) for post-processing or case automation;
- Experience in the field of fuel cells, heat exchangers or complex high-temperature fluidic systems;
- Knowledge of marine or industrial environments.

Personal Skills Required:

- High autonomy, rigor, and strong team spirit, with the ability to set priorities and manage time effectively.
- Results-driven with a focus on continuous improvement.
- Strong organizational skills and ability to handle multiple tasks simultaneously.
- Excellent interpersonal skills and strong professional ethics.

Additional Information

- Location: Lagord, Charentes-Maritimes, 15 minutes from La Rochelle by bike.
- Contract: Permanent, full-time (open-ended).
- Start date: ASAP.

How to Apply

Send your CV and cover letter to careers@genevos.com. Only qualified applications will be considered. Applications are confidential. Refer to our privacy policy for details.