Marine Hydrogen Internship

A marine hydrogen internship with Oceanslab is designed to provide a local Jersey student or early-career professional with hands-on experience in the emerging field of hydrogen energy within the maritime industry.

What to expect

- **Practical Experience:** gain real-world experience in hydrogen technologies, such as fuel cells, hydrogen production, storage, and usage within the marine sector. This might involve working on projects related to hydrogen-powered ships, fuel infrastructure, or integrating hydrogen into existing maritime systems.
- **Industry Insight**: an opportunity to understand the marine industry's current trends, challenges, and regulatory environment concerning hydrogen energy. Interns learn how hydrogen can contribute to reducing carbon emissions and promoting sustainability in marine transportation.
- **Skill Development**: Interns at Oceanslab develop technical skills related to hydrogen technology, including engineering, research, and project management. They may also gain experience in data analysis, safety protocols, and environmental impact assessments.
- **Networking**: build connections with professionals in the hydrogen and maritime industries. This networking can lead to future job opportunities and collaborations.
- **Career Exploration**: For those considering a career in renewable energy or maritime technology, the internship provides a platform to explore these fields and determine if they align with their career goals.

Key skills and experience

- Jersey graduate/undergraduate with a degree in engineering, maritime or sustainability related discipline.
- Knowledge, experience or a qualification (apprenticeship) in an mechanical, electrical, engineering or maritime related discipline.
- Understanding the environmental impacts of maritime activities and how hydrogen can mitigate these effects.
- Be able to write technical reports or papers on relevant topics, demonstrating the ability to communicate complex ideas effectively.
- Ability to conduct thorough research on technologies, regulatory frameworks, and industry best practices.
- Experience in designing experiments or tests to evaluate a systems' efficiency, safety, and viability.

Personal Qualities

- A passion for sustainability with a genuine interest in renewable energy, sustainability, and the role of hydrogen in reducing carbon emissions in the marine industry.

• **Contribution to Sustainability**: By working on projects that focus on reducing the maritime industry's environmental impact, interns contribute to global efforts in combating climate change and promoting sustainable development.	• Can show innovative thinking and a enthusiasm for exploring new technologies and solutions to make the maritime industry more sustainable. • Ability to work effectively in multidisciplinary teams, often involving engineers, scientists, and industry professionals. • Proficiency in explaining technical concepts to non-experts and contributing to discussions on project progress and findings. • Strong analytical and critical thinking skills to evaluate existing technologies and propose innovative improvements.

Other information

This is a 2-month paid (£300 per week) internship based at the Oceanslab headquarters in La Rochelle, France. In addition, we offer a £500 bursary towards travel and expenses.

Ideally the internship will start in February 2025, although there is flexibility with dates.