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Job Title: Naval Architect
Start date: Asap
Location: Edinburgh
Salary: Depends on experience

For too long, the shipping industry has been the dirty secret of global commerce. We want to change that.

Drawing on experience from America's Cup yacht design, our Smart Wind Assisted Propulsion (SWAP) technology promises to substantially reduce CO₂ emissions and fuel costs for large vessels. We are looking for a **Naval Architect** to join our team and help make this happen.

Job Description

You will work as part of an innovative team responsible for design, production installation and sea worthiness of the SWAP device. The role spans various a range of functions including:

- Structural design and analysis
- Performance modelling
- planning and supervising the construction of SWAP device
- producing detailed designs of SWAP integration with ships
- developing and utilising test procedures including computer modelling and scale models
- interpreting and analysing data and test results
- sourcing and purchasing components, equipment and materials
- ensuring adherence to appropriate health and safety legislation/standards
- writing reports and documentation
- giving presentations
- undertaking relevant research

Essential Skills and Experience

- Bachelor's degree or higher in, Naval Architecture or related subject, or equivalent experience
- Good understanding of structural design and analysis, including structural steelwork and composites, preferably in the marine environment
- Practical experience of planning and carrying out marine equipment installations
- Understanding of the requirements of the marine industry
- Excellent written and oral English
- Ability to integrate into a dynamically evolving team, working under supervision but using initiative to solve problems, enhance our product and accelerate our route to market
- Ability to manage workload to ensure that tasks are completed to time, cost and quality

Desirable Skills and Experience

- Marine / offshore engineering experience
- Experience of working with Classification Societies on the certification of maritime structures
- Understanding of aerodynamics and Computational Fluid Dynamics (CFD)
- Programming in Python and Matlab/Octave
- Experience of using Midas-NFX, SkyCiv, Rhinoceros 3D / Grasshopper and OpenFOAM
- Experience in Electrical Control and Instrumentation, particularly in the marine environment

To apply, please send an introduction letter and your CV to Dr Donald MacVicar donald@smar-azure.com

Closing date is Sunday, the 13th of September. Successful candidates will be informed by close of business, Friday the 20th of September.