

## **Marine Engine CFD Engineer**

### **Who are we?**

We are the University of Cambridge's presence in Singapore, Cambridge CARES. Our activities are sponsored by the National Research Foundation's CREATE programme. Our first research programme, Cambridge Centre for Carbon Reduction in Chemical Technology (C4T), is a collaboration between University of Cambridge, Nanyang Technological University and National University of Singapore.

Our team is comprised of world-class scientists and engineers working in a vibrant, fast-paced environment with great opportunities for knowledge and skills development.

### **Who are we looking for?**

We are looking for an expert in engine modelling with Computational Fluid Dynamics. Ideally, someone with experience with the code CONVERGE, reduced combustion mechanisms and reciprocating engine and constant-volume chamber combustion modelling.

The successful candidate will be expected to perform simulations, interact with existing members of the team, analyse the results and prepare written reports and presentations.

### **What qualification and skills will you need?**

- Possess a Bachelor's degree in Engineering or equivalent (Post-graduate degree is preferred)
- Computational Fluid Mechanics, combustion chemistry, engine modelling, knowledge of combustion fundamentals and reciprocating engines.
- Strong communication and presentation skills to share analysis results and drive discussions

### **What can we offer you?**

- A stimulating working environment with friendly, highly motivated colleagues
- A competitive salary in line with your skills and experience
- A one-year contract in the first instance, extendable following a satisfactory performance
- Comprehensive medical insurance coverage as part of your employment
- Employment under a Research Collaboration Agreement between CARES and Nanyang Technological University (NTU)

Please note this post is mainly based in the CREATE Tower at NUS University Town, Singapore.

### **How to apply?**

Please apply by uploading your CV and academic transcript to <https://talent.sage.hr/jobs/ec055ec9-d48e-49a9-9803-d9191d36ea42>. If you have any questions, please feel free to reach out to the HR team at [recruitment@cares.cam.ac.uk](mailto:recruitment@cares.cam.ac.uk).