ABOUT OLSSON FIRE & RISK

Olsson Fire & Risk has key offices across Australia, New Zealand and the United Kingdom and we work with many of the countries' largest private sector and government clients. As a leading Australasian fire engineering and risk management consultancy, Olsson Fire & Risk offers global insight and collective expertise in fire safety, risk engineering and fire protection. We currently have offices in Australia (Melbourne, Sydney, Brisbane, Perth), New Zealand (Auckland, Christchurch, Wellington), and the UK (London, Edinburgh, Glasgow and Manchester).

Our reputation as a premium service provider continues to grow and is based on our commitment to quality, on time service delivery and the calibre of our specialised consultants. The Olsson Fire & Risk point of difference is our capacity to cater for the entire end to end fire solution in house. From risk assessment to design, engineering, approval and implementation of safer, smarter fire safety solutions.

We are seeking a motivated Graduate CFD Engineer with a passion for design and an ambition to join an international team of experts in our Sydney office. This is your chance to add your extensive knowledge, experience and service orientated personality to our growing team, whilst simultaneously developing your career.

The Role:

Based in Sydney and reporting to the CFD Manager you will join our experienced team to apply CFD techniques to a range of built environment engineering problems and provide general modelling advice to internal and external clients on projects of varying complexity. Opportunities to interact with our New Zealand & United Kingdom based teams, as well as close contact with Olsson's Fire Engineering team, make this a unique and exciting role.

Your role will also include:

- With guidance, manage computer modelling projects for multiple internal / external clients.
- With limited guidance construct and review complex CFD models using architects drawings / imported CAD models.
- Support presentation of results to clients, designers, approval
authorities etc.

- Produce with guidance, reports and technical notes for internal/external clients.
- Appreciation of key issues to consider when simulating; thermal conditions, wind environments, fire/smoke and pollution dispersion.
- Awareness of guidance and relevant standards that impact the acceptance of modelling methodology and the interpretation of results.
- Understand and implement best practice techniques and standard validated methods for key modelling products.
- With guidance, identify design related issues and propose solutions with suitable modelling methodologies.
- An ability to demonstrate strong written and verbal communication skills.
- Ability to work in a team as well as individually.

Qualifications and experience

A B.Sc. M. or PhD degree in fire engineering or mechanical engineering demonstrating strong CFD capabilities.

The candidate needs to have capabilities in the use of the following software packages:

- OpenFOAM.
- ANSYS.

In addition, the experience in the follow fire engineering software packages would be advantageous to your application

- FDS (Fire Dynamics Simulator) and Smokeview.
- Pyrosim, and Pathfinder.

BENEFITS FOR WORKING WITH OLSSON FIRE & RISK

We are open to flexible working arrangements, and offer smart phones, as well as numerous staff well-bring activities and benefits.

APPLY TODAY

To apply online please click 'Apply' and submit your resume and cover letter to Kylie Wenmoth at careers@olssonfire.com

For more information please visit our websites at www.olssonfire.com