



Job Title: CFD Consultant (Oil & Gas and Renewables)

Location: East Kilbride

Primary Job Responsibilities

You will provide Computational Fluid Dynamics (CFD) consultancy services by working closely with the customer to develop the technical scope of work, provide cost estimates, define data and information requirements, carry out the technical work and identify further opportunities. You will also be responsible to developing new contacts and business.

NEL is an international provider of specialist technical consultancy, research, development, testing, measurement and programme management services, with an excellent reputation built up over 50 years. Delivering services to clients from a range of industries including oil & gas, renewable & sustainable energy, and government, we are a client- focused company with unique R&D and testing facilities on-site, including the UK's National Flow Measurement Standards, and a remote wind turbine test site, NEL is a trading name of TÜV SÜD NEL Ltd, a company of the TÜV SÜD Group, an international service organisation with over 16,000 employees in more than 600 locations worldwide.

The role will involve:

- Using data from CFD simulations, tests, and field measurements to provide solutions within the oil & gas, renewable and process sectors.
- Providing high-quality research and development services to blue-chip customers and governmental organisations.
- Delivering consultancy projects across all disciplines to meet customer requirements.
- Developing business from existing and new customers.
- Providing input to proposals and generating and developing leads.
- Providing technical input as required to proposals and projects.
- Publishing and presenting technical papers in conferences and workshops.

Competencies & Personal Attributes

Applicants should be able to demonstrate the following:

- Willingness and ability to work across a number of technical areas.
- Strong data analysis and technical report writing skills.
- Confidence to take the lead role in the technical delivery of projects.
- Strong commercial, interpersonal and presentation skills to build strong customer relationships, understand their requirements and offer appropriate technical solutions.
- Ability to negotiate effectively both internally and externally and with all levels of seniority.
- Customer-focused.
- Self motivation and strong organisational skills, including the ability to multi-task.
- Problem-solving ability and results-driven.
- High level of IT literacy including MS Office, MathCad, AutoCad, etc.
- Flexibility to travel both within and outside the UK.

Qualifications & Experience

Essential

- Candidates should be qualified to Honours or Masters degree level in a relevant engineering or physical sciences discipline (ideally mechanical engineering, including fluid dynamics); however, candidates without a relevant qualification will be considered provided that they are able to demonstrate appropriate skills and experience.
- Significant experience of working within the energy or environmental sectors at consultant level.
- Proposal and report writing experience.
- Good understanding of fluid flow and heat transfer principles.

Desirable

- Specialist experience in pipeline fluids in relation to erosion modelling and modelling the performance of pipeline components such as flow meters, valves, etc.
- Experience of modelling multiphase flow in pipelines.
- Consultancy experience in the Oil, Gas and/or Process Industries.
- Mechanical design expertise/experience.
- Good practical knowledge and experience of applying CFD software (particularly ANSYS FLUENT) to solving industrial problems.
- Test or field experience of flow meters, pipe flow systems, valves, downhole equipment, process equipment and/or wind and tidal turbines.
- Experience of programming.
- Experience of using other mathematical models/modelling techniques.

Salary will be commensurate with skills, competencies, qualifications and experience.

A comprehensive and flexible range of employee benefits is available, including a group personal pension plan. Further information regarding the Company can be found at our website www.tuvnel.com.

To apply, please send a copy of your CV, **including current salary & salary expectations**, to ejamieson@tuvnel.com.

Applicants should refrain from including the following information on their CV as these will not be used in the recruitment selection process: Date of birth, age, sex, marital status, school names, religion.

Closing date: Friday 24th February 2012