

Job description: Senior research engineer – flow dynamics

Position: Senior research and development engineer – flow dynamics

The position reports to the RnD Manager – data processing and interpretation.

Employment type: full time

Location: Stavanger, some travel to the US

Ziebel is a leading developer and supplier of fiber optic monitoring technology, applied to downhole flow monitoring in oil and gas wells. Ziebel's fiber optic sensing equipment is used both offshore and onshore by specialists in various locations around the world such the US Lower 48 states, the North Sea and the Middle East. Distributed Fiber Optic data (DFO) requires sophisticated processing and modelling to convert into meaningful customer answer product.

As a flow dynamics engineer, you will work on modelling the fiber optic response to downhole flow. You will be collaborating with the software development team and other Ziebel groups to develop leading edge answer products.

Qualifications:

- Master's degree or PhD: transient multiphase flow dynamics in near horizontal pipes
- Mass, energy and momentum balance
- 5 years experience with Oil & Gas multiphase flow modelling in horizontal wells
- Hands-on experience with industry recognized multiphase flow modelling software (Olga, Kappa, LedFlow)
- Design of experiment
- Flowloop testing
- Hands on Python or Matlab applied to data analysis
- Statistical data analysis methods

Desirable:

- Production logging interpretation
- Distributed Fiber Optic exposure (DAS-DTS)
- Patterns recognition

Personal qualities:

- Strong analytical skills
- Creative
- Organized planner, systematic experimenter, thorough but concise reporter
- Dedicated to obtaining industry leading results
- Self-motivated and able to work on your own and in a team with minimal supervision
- Innovative, proactive, curious

- Strong communication skills

Languages:

Ziebel's company language is English. Excellent command of the language is required

Other Requirements:

Clean driving license and ability to travel to the US at short notice

Ziebel Values:

- Team work (to use own capabilities for the best of the team)
- Creativity / innovative capability (challenge status quo and seeking new solutions)
- Sharing (the attitude and behaviour of generously sharing one's capabilities)
- Professionalism (deliver right quality every time)
- Integrity (doing the right thing even if nobody is watching)