



COULD YOU MAKE A GREAT TEAM EVEN BETTER?

APPLY NOW! 



Geophysicist – Seismic Data Processing (MSc – PhD) | Part of Shell Graduate Programme

Location: Assen

Job Description

The Geoscience organization is part of Projects & Technology Development and consists of six groups: Geophysics, Quantitative Subsurface Evaluation, Fluids & Basins, Structural Geology & Reservoir Characterization and Geomatics. These groups have some 440 staff located in 12 countries providing specialist integrated subsurface support to all Upstream, Integrated Gas and New Energies businesses. Key capabilities in the department amongst others include seismic acquisition & processing, quantitative interpretation, pore pressure prediction, geomechanics, geohazards identification, geomatics, basin modelling, geochemistry, biostratigraphy, sedimentary petrology, fluid sampling, reservoir characterisation and structural geology expertise.

The Geoscience organization is a highly dynamic team which provides critical HSE support to the drilling of exploration and appraisal wells, manages seismic & geomatics operations, supports the new venture identification teams in exploration, underpins development concept select input and supports Well, Reservoir and Facility Management.

The Shell Graduate Programme: a world of opportunities!

There has never been a more exciting time to work in the energy industry. Starting your career in Shell, you'll have a part to play in uniquely innovative projects which will provide unbeatable experience.

As a graduate within the Technical area of the Shell Graduate Programme you can expect an industry-leading two to three-year learning programme, offering real responsibilities, challenges and continued professional development. It's a great introduction to the exciting world of Engineering/R&D and a chance for you to gain insights into some of Shell's most pioneering projects and operations. You'll benefit from formal training and continuous coaching will shape you into an accomplished professional. As part of Shell's global network of professionals, you'll have the chance to work alongside some of the industry's leading visionaries and work with cutting-edge technologies.

Geophysicist – Seismic Data Processing: the role

As a Geophysicist in Seismic Data Processing, you will offer advanced seismic data processing services in support of exploration and development of offshore and onshore oil and gas fields in the Netherlands.

Tasks include:

- Seismic velocity model building and updating using inputs from seismic data, well logs and formation tops. The tools and techniques used for this work are the latest versions of Shell proprietary velocity modelling software and workflows.
- Seismic Imaging with latest Shell-proprietary imaging algorithms.
- Fit for purpose implementation of algorithms developed by Shell Research and Development in a production processing environment
- Life-cycle project management, including project acquisition, competitive scoping, definition of resource requirements, project execution, management of (scope) changes, project delivery, close-out and after-action reviews to distil lessons learnt.
- Meet customer requirements, placing special emphasis on integrity of seismic data for subsequent subsurface evaluation while ensuring that applicable standards are upheld in ongoing projects so that the Company can realise the full potential of its seismic database.

Who are we looking for

Ambitious graduate (0-5 yrs work experience) pursuing or holding a Msc/PhD degree in Geophysics, Physics, Mathematics or related science. The successful candidate will have the following characteristics:

- Ability to listen and inquire about customer problems and ability to identify opportunities for provision of geophysical data processing services to address these problems.
- Must demonstrate a pro-active attitude to problem solving and have good communication skills.
- Good perspective on the links and interaction required with other Disciplines in the E&P industry.
- Keen interest in understanding impact of own work on the business bottom line.
- Familiarity with Windows operating systems and common office applications.
- Familiarity with Linux operating systems, including scripting and coding. Familiarity with Python language would be a plus.
- Affinity with systematic data management as the successful candidate will be handling large seismic data volumes.
- Affinity with Digitalization efforts e.g. Machine Learning, Deep Learning, and others.
- Capacity to handle several tasks at once and prioritise accordingly.
- Driven to deliver fit for purpose technical solutions in support of bottom line business targets.

- Demonstrable awareness of and commitment to Health, Safety and Environment.
- Ability to gain a good understanding of exploration, development and engineering work across the E&P lifecycle.

Helping you prepare

We want you to be at your best when completing the assessments, so here are some top tips and some additional background information that may help you. Ace your application prep by reviewing our [application tips](#).

Ready to apply?

Ready to start your journey of discovery with one of the world's most innovative businesses? Click to start your [application](#). When applying choose Geosciences as your preferred area of interest when being asked for.