



## BASIC ROLE DETAILS

**TITLE:** Geologist

**REGION:** Alkmaar, The Netherlands

**DEPARTMENT:** Subsurface team

**MANAGER:** Subsurface Manager

**ROLES REPORTING INTO THE ROLE:** n.a.

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## GENERAL

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TAQA ranks as one of the largest energy and water companies in the world. Our purpose: “powering a thriving future by efficiently providing sustainable and reliable energy and water to unleash the unlimited potential of people and places”.

With over 30 nationalities across the global organisation, we are committed to promoting a corporate culture where everyone is valued and able to play their part in building our future success.

In the Netherlands, we focus on the on- and offshore production of oil and gas as well as the operation of two underground gas storage facilities. The latter are strategic assets in the provision of reliable gas in the Netherlands. Their importance will only increase in the coming years as the greater dependence on gas imports will mean domestic storage becomes key to maintaining security of supply.

The energy landscape in the Netherlands is changing, and TAQA is supporting the energy transition in two key ways: we are contributing to continuity of gas supply in the short-term as the transition agenda moves forward. We are also participating in large-scale sustainability developments such as hydrogen and green gas expertise center Investa and Porthos, a CO<sub>2</sub> capture and storage project.

You will be given a lot of responsibility when you join the company, which you are expected to take. And you'll get the space you need to do your job. Individual and team contributions really make a difference at TAQA.

Our success as a company depends on the engagement and passion of our people. Although our organization is large and global, locally we work with short reporting lines in an open and informal culture. We strive for diversity when attracting talent to our organisation and give your personal development our full attention.

***In all we do, safety is our first priority. The safety and care of our people, as well as our surroundings and the environment.***

## ROLES AND RESPONSIBILITIES

### BASIC PURPOSE OF THE ROLE

The Geologist in this position will be responsible for all geomechanical studies, microseismic reporting, soil movement predictions and seismic risk assessments for the TAQA NL Midstream and Upstream assets. In addition, where needed he/she will also perform geological and geophysical reviews of the current assets (including partner operated) as well as potential future opportunities. The goal is to identify remaining potential and work up explorations prospects as well as targets for infill drilling. The incumbent would preferably also have good petrophysics skills for the evaluation of logs and the definition of open hole logging requirements. The geologist will work in the subsurface team together with the Sr. Geologist and (Sr.) Reservoir / Production engineers.

### KEY RESPONSIBILITIES

- Perform and oversee external work on geomechanical modelling for the Midstream as well as Upstream assets.
- Manage microseismic and soil movement monitoring network for Gas Storage Bergermeer. Perform and quality control soil movement predictions and seismic risk assessments.
- Maximize value for the Rijn Oil, P15-P18 hub and the Bergen Concession gas fields through development geology activities. Update and maintain 3D static models and geological descriptions. Generate infill well proposals.
- Perform seismic evaluation / interpretation and coordinate reprocessing as required
- Perform Open hole log evaluations and correlations
- Identification and maturation of exploration prospects including volumetrics, risk and uncertainty analysis. Supported by basin modelling and petroleum systems evaluation.
- Peer-review Partner Operated Assets project proposals, representative at TCM's
- Participate in evaluation of farm-in and acquisition opportunities
- Provide geological input to Well Engineering team and CCUS projects for well design and construction
- Act as operational geologist during drilling operations. Responsible for defining mud/well logging program planning and execution, wellsite geologist hiring and supervision, pressure measurements (RFTs), coring.
- Provide the scope of work for work to be outsourced to external consultants and ensure quality of associated reporting
- Execute work in accordance with the Corporate Critical Safe Work Standards

## QUALIFICATIONS, EXPERIENCES AND SKILLS

### QUALIFICATIONS / TRAINING

- M.Sc. /Ph.D. in Geology and/or Geophysics or similar
- Knowledge of the Dutch / Southern North Sea subsurface specifically

## EXPERIENCE/KNOWLEDGE/SKILLS

### Essential

- Minimum of 5 years working experience as a Geoscientist, in an operator environment
- Skilled in geomechanical modelling, soil movement predictions and seismic risk analysis
- Skilled in 3D static modelling, using Schlumberger Petrel software
- Experience with seismic data interpretation and awareness of processing
- Experience with open hole log evaluation and routine core / cuttings analysis
- Experience with petroleum systems modelling and exploration prospect evaluation
- Skilled in MS Excel, Word and PowerPoint
- Awareness of other subsurface disciplines e.g. Reservoir Engineering and Petrophysics
- Up to date knowledge of technological developments, industry initiatives, etc.
- Self-starter with a high sense of responsibility and professional credibility. Strong organizational, analytical as well as social and communication skills.
- Safety and performance driven attitude
- Fluent in English

### Preferred

- Experience working on natural gas storage projects and mature upstream assets
- Experience with operations / wellsite geology
- Experience working on CCUS projects
- Experience with naturally fractured reservoirs
- Experience with Kingdom software

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## INTERACTIONS

### INTERNAL INTERACTIONS

- Reporting to Subsurface Manager

### EXTERNAL INTERACTIONS

- Regulatory bodies e.g. SodM, MEA
- Contractors and Vendors
- Industry peers
- Joint Venture representatives/Other operator representatives

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## DETAILS

**ESTIMATED START DATE:** as soon as possible

**WORKING HOURS:** 20 hours/week

**DURATION:** 1 year, option to extend