



BASIC ROLE DETAILS

TITLE: Process Engineer

REGION: Alkmaar

DEPARTMENT: Engineering

MANAGER: Process Engineering Lead

ROLES REPORTING INTO THE ROLE: N/A

GENERAL

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 CO₂ 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 post holder will be assigned as Process Engineer for the onshore and offshore production and storage facilities, working from the TAQA offices (Alkmaar). They will provide process/chemical engineering support for the Operations and Projects Departments. Operations support involves process monitoring, troubleshooting and optimization. Projects support ranges from completing engineering for and executing small modifications, to providing engineering input and challenge to larger capital projects through the Appraise Stage review, FEED study, and Detailed Design.

The post holder focuses on both short- and long-term operation. Short-term, they provide daily process and production optimization support for the operating assets. For the long-term, they anticipate and recommend changes needed to the installations for future operation and lead modification studies focused on improving the sustainability of the facilities.

KEY RESPONSIBILITIES

- Give active guidance and support to the field operating personnel
- Take responsibility for day-to-day facility problems in areas such as; production capacity, process treatment, equipment & unit performance
- Develop and use tools for process performance monitoring
- Maintain Process Engineering owned documentation, such as P&IDs
- Initiate and lead improvement studies
- Initiate follow-up modifications projects through the Asset Projects Process and Management of Change (MOC) process.
- Oversee the Offshore MOC register, and facilitate the progression of all offshore MOCs
- Complete detailed engineering for simple projects
- Coordinate third-party design for larger projects and provide technical review and challenge
- Participate in HAZOP, SIL, and HSE reviews
- Maintain and update TAQA's SIL database

JOB DIMENSIONS

Provide technical recommendations as part of an engineering team.

QUALIFICATIONS, EXPERIENCES AND SKILLS

QUALIFICATIONS / TRAINING

Essential

- Bachelor or Master's Engineering Degree in Chemical Engineering
- VCA/VOL

Preferred

- Valid offshore medical and NOGEPa survival training

EXPERIENCE/KNOWLEDGE/SKILLS

Essential

- 5-10 years' experience in Oil & Gas specifically focused on Offshore facilities
- Operational knowledge working inside an Oil & Gas company
- Operational experience with gas treating facilities
- Operational experience with Condensate/Oil production and processing
- Start-up and commissioning of Production systems
- Process Engineering skills, including:
 - Use of process simulation tools (e.g. HYSYS, FlareNet)
 - Use of process monitoring tools (OSISoft PI)
 - Development of process drawings, such as P&IDs, PFDs, and C&E
 - Performing Process calculations
 - Pressure relief selection and sizing
 - Equipment sizing, such as piping and control valves
 - Alarm and trip schedules
- Leadership in HSE and process safety

Preferred

- Knowledge of inhibitor chemicals
- Onshore gas processing/storage experience
- Knowledge of staged-gate projects processes
- LOPA/SIL experience
- Fluent in Dutch and English

ADDITIONAL REQUIREMENTS

- Able to travel offshore for short durations

INTERACTIONS

INTERNAL INTERACTIONS

- Other Engineering Team members
- Operations HMI
- HSE
- Peers in UK

EXTERNAL INTERACTIONS

- Engineering Contractors
- TAQA Operator Partners
- Customers

DETAILS

ESTIMATED START DATE:	As soon as possible
WORKING HOURS:	Full time, 38,75 hrs per week
DURATION:	Permanent position - starting off with a 1 year TAQA staff contract