
Peter Rutenga MSc

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Profile Summary

A highly driven engineer with a background in process optimization and process flow assurance within oil and gas operations, eager to transition into the aquacultural industry in Norway. I've gained valuable insights into optimizing production processes and fostering collaborative team environments. Known for my problem-solving abilities and effective communication skills. Familiar with quality assurance practices to ensure compliance with industry standards. I'm excited to apply my skills from the oil and gas sector to contribute to the efficiency and sustainability of fish farming operations, while also prioritizing environmental stewardship.

Relevant Experience

Company: Corrosion and Chemical Consulting Limited**Start/End Dates:** December 2023 – February 2024**Clients:** United Energy Pakistan**Role:** Consultant Field Engineer**Description:**

- Conducted comprehensive chemical injection systems and pump equipment assessments to optimise performance and efficiency.
- Developed and implemented customised chemical injection strategies to enhance oil and gas production and mitigate corrosion risks.
- Provided expert advice on pump selection, installation, and maintenance to enhance operational reliability and minimise downtime.
- Analysed data and generated detailed reports outlining system performance, troubleshooting recommendations, and cost-effective solutions.
- Collaborated with clients to understand their specific operational challenges and provided tailored engineering solutions to optimise production efficiency.
- Played a crucial role in evaluating and selecting chemical suppliers.

Company: Wood Group Plc (Oil and Gas)**Start/End Dates:** January 2023 – November 2023**Clients:** Qatar Energy (Qatar Petroleum) - Bul Hanine and Maydan Mahzam Offshore Production Stations**Role:** Flow Assurance Engineer**Description:**

- Developed and implemented flow assurance strategies for subsea production systems, ensuring efficient and uninterrupted operations.
- Conducted flow assurance steady state and transient modelling and simulations to optimise pipeline design, identify potential bottlenecks, and mitigate flow assurance challenges.
- Collaborated with cross-functional teams to assess flow assurance risks and propose practical solutions to enhance system reliability.
- Monitored and analysed real-time operational data to identify trends, troubleshoot flow issues, and optimise production performance.
- Prepared technical reports, presentations, and documentation to communicate flow assurance findings, recommendations, and project updates to stakeholders.
- Contributed to developing and improving the organisation's flow assurance workflows and best practices.

Company: Wood Group Plc (Oil and Gas)

Start/End Dates: September 2022 – January 2023

Clients: Saudi Aramco Oil (SAO) – Manifa Central Process Facility

Role: Project Engineer

Description:

- R&D of new green technologies presented to client board members with successful implementation.
- Directly managed and reported on crucial project engineering goals from the Design Basis Scoping Paper stage (DBSP) to the FEED stage.
- Further site experience gained visiting Saudi Aramco Oil Production facilities in the Kingdom of Saudi Arabia
- Responsible for the technical coordination between engineering disciplines and the estimating team in India during the EPC cost estimate calculation

Company: Intertek (Offshore Oil and Gas) - Aberdeen

Start/End Dates: January 2022 – September 2022

Clients: Bumi Armada/EnQuest, Total Energies, Dana Petroleum, INEOS, BP, Repsol Sinopec

Role: Process Chemist

Description:

- Sole authority (whilst) offshore for chemical interventions and quality assurance in a client-facing role at the production site.
- Experience adjusting chemical injection rates using live daily production data.
- Successfully executed process capacity trials within nameplate design specification.
- Vast North-sea offshore experience – MIST & BOSIET certification valid until 2024.
- Design and maintain technical drawings and documentation (P&IDs, etc.)
- Experience collaborating directly with clients and engineers from different disciplines.
- Implementing continuous improvement methodologies to drive process development and work process improvements.
- Experienced Process chemist dealing with Biocides OIW analysis and other analysis on client offshore assets.
- Exposure to data quality and proven experience in the quality assurance processes of the data Captured as well as quality checking the data before intended uses.
- Skilled understanding of data analysis to effectively interpret results into useful outputs used to make Conclusions on specific process systems.
- Provided government audited sampling to overboard produced water systems as well as injection System sampling.

Company: Jacobs Field Solutions (Nuclear and Defence Sector) – Thatcham, Reading

Start/End Dates: May 2018 to September 2018

Client: Atomic Weapons Establishment Plc & Rolls-Royce Marine Operations

Role: Junior Project Manager – (Summer Internship)

Description:

- Duties consisted of consulting directly with the client, suppliers, and contractors to ensure the projects were operating in line with the agreed program and in line with the NEC3 Form of Contract.
- Working directly on classified government projects, reviewing, and updating documentation such as HAZID, Root Cause Analysis (RCA)
- Spent time working on the secure sites and developed a working knowledge of the Construction Design Management Regulations

Company: ExxonMobil (Oil and Gas) - Cyprus

Start/End Dates: July 2017 to August 2017

Role: Junior Engineer– (Summer Internship)

Description:

- Supported and shadowed the Operations Manager in successfully operating a 'live' Fuel terminal.
- Carried out dynamic risk assessments which outline hazards and mitigations on any risks associated with the job at hand – (Hazard and Operability Analysis (HAZOP), Permit classification)
- Was assigned the role as a Territory Manager toward the end of my placement which was a real privilege given the complexity of the operation.

Company: Iveco Retail Limited - Croydon

Start/End Dates: June 2012 to July 2016

Role: Vehicle Diagnostic & Engineering Technician – Apprenticeship

Description:

- Conducted maintenance on hydraulic systems with the addition of repairs and services for heavy goods vehicles.
- Carried out repairs such as Gearbox Reconstructions to In-depth live diagnostic work.
- professionally working with others whilst adhering to health and safety requirements

Education & Qualifications

MSc Petroleum Engineering (Merit), University of Aberdeen - September 2020 – August 2021

- Thesis Title "*Modelling the Deliquification Process of Low energy Gas Wells using Foam Injection*" – Industry Project sponsored by Harbour Energy,

B.Eng. Petroleum Engineering (1st Class 89%) London Southbank University - September 2016 – July 2020

- Thesis Title "*Wytch Farm Field development project*" - highest GPA award for overall degree classification for the class of 2020 Petroleum Engineering.

Technical Experience

Aspen Hysys, Schlumberger Petrel, MATLAB, tNavigator, Microsoft Office, Star CCM 3D Modeling, Petex Software Suite, Data Analysis/Management, Nodal Analysis, C++, Python, International Well Control Certificate Level 1, Chemist Cover, Chemical Pumps, Oil and Gas operations, PipeSim

Languages

- English – Native • Norwegian (Bokmal) – Semi Fluent • Greek – Elementary • Arabic – Beginner