

Name: Jamie Foubister

Current Position: Associate Mechanical Engineer, Aker Solutions

Degree: Masters in Mechanical Engineering, University of Aberdeen

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PROFILE

- Excellent interpersonal and communication skills across all levels.
- Competitive and positive influencer.
- Skilled in operating within the demands of a diverse high-pressure environment.
- Works efficiently and accurately to tight deadlines.
- Meticulous eye for detail.
- Highly motivated team player.
- Full (clean) Driving Licence, happy & willing to meet travel expectations.

Industry Training

- Introduction to NDT
- ASME Plant Inspector Level 1
- API 579 Fitness for Service
- PD5500 Pressure Vessel Design
- BOSIET (UK) and Medical
- SAP Fiori - Display and Reporting
- Bentley IDMS

SOFTWARE

- Skilled in the use of Microsoft Office applications, including Word, Excel and PowerPoint.
- Bentley IDMS
- Solid Works CAD
- Abaqus FEA
- MATLAB
- Python

KEY SKILLS

- Energy industry awareness.
- Keen problem solver.
- Excellent mathematical ability.
- Methodical worker with strong prioritisation skills.
- Happy to work solo or as part of a team.
- Excellent timekeeping & punctuality.
- A strong customer/client focus.
- Confidence, patience, politeness, tact and diplomacy, when dealing with difficult situations.

EDUCATION

2016 to 2021

DEGREE OF MASTER OF ENGINEERING IN MECHANICAL ENGINEERING

Graduated 2020/2021 Term

University of Aberdeen

Classification - Second Class Honours (Division One) - 2:1

I graduated from the University of Aberdeen with a master's degree in Mechanical Engineering. Whilst studying the compulsory engineering courses, I also took on additional software development electives in Python and MATLAB over the years to build upon my programming skills.

4th year individual project - "DESIGN OF A CROSS DIE FOR SHEET METAL FORMING PROCESS"

I completed my 4th year individual project on the "DESIGN OF A CROSS DIE FOR SHEET METAL FORMING PROCESS". In which I applied my Solid Works knowledge to produce CAD models and accompanying component drawings of the complete die design. I was also required to learn and implement new skills in Abaqus FEA software to compute simulation testing of the die. I was graded an "A" for this work.

5th year group project - "DESIGN OF BLAST AND FIRE WALL FOR NEW BUILD FPSO"

For my 5th year group project, we were tasked with designing a fire and blast wall to separate modules on a new build FPSO, whilst optimising for a low cost and low weight design. This would provide protection between modules in the event of an explosion and accompanying jet fire.

My main contributions to the group were developing design optimisation code using MATLAB as well as producing the groups CAD models and drawings using Solid Works. I also carried out the finite element analysis of the groups final blast wall design using Abaqus software. I was graded an "A" for this work.

WORK HISTORY

November 2021 to present

Company – Aker Solutions

Position – Associate Mechanical Engineer

Experience in Asset Integrity Management across Topsides Pressure Systems, Structures and Subsea Pipelines. Primarily working on BP North Sea assets Clair Phase 1, Clair Ridge, Andrew, ETAP and Glen Lyon whilst also assisting on other projects in the North Sea and Gulf of Mexico.

Topsides Pressure Systems / Structures:

- Work planning services to translate the risk-based inspection plans into executable work in the form of SOIRs.
- Preparation of Corrosion Circuits for RBA assessment.
- Utilising approved integrity management tools to analyse inspection and corrosion data and to track actions raised from inspection and actionable anomaly reports to closure.
- Leveraging the digital twin to facilitate more efficient work planning.
- Participating in asset team meetings to support with emergent task.
- Assisting in producing Corrosion Risk Assessment reports for subsea pipelines based on material selection and barriers to internal and external threats.
- Support to Asset Projects.
- Experience Offshore on the BP Andrew asset to perform testing of Bentley IDMS and tablet integration to carryout efficient inspections.

Subsea Pipelines - PIMS:

- Pipeline free span screening utilising Multi Beam Echo Sounder (MBES) Data.
- Utilising Rainflow counting tools and developing methodology for pipeline temperature and pressure cycling.
- Populating anomalies into BP's Anomaly Assessment & Tracking (AA&T) database.
- Utilising Palantir to track real time data and trends on subsea pipeline parameters.
- Preparing Technical Notes to provide engineering recommendations based on previous inspection data and readings.

August 2016 to October 2021

Company – Tesco Inverurie

Position – Customer Assistant

Delivering satisfactory customer service and ensuring store deliveries are done.

- Customer Assistant within the Warehouse and Grocery team.
- Main role is of taking in all store deliveries and keeping a tidy workspace (Warehouse).
- Support replenishment of stock on the shop floor.
- Providing multi-skilled support to other departments, such as Tesco DotCom and Checkouts.

June 2016 – August 2016

Company – Aleron Group

Position – Summer Work Experience / Assistant

Summer work experience, helping around warehouse, within transition from Academy to University.

Worked with Aleron Subsea on ROV equipment. Day to day operations consisted of,

- Maintaining a tidy warehouse/workspace's as well as sorting away tools to toolboxes and sorting of hydraulic joints.
- Aided the distribution of equipment & positioning items to be worked upon.
- Completed jobs on ROV equipment such as tightening bolts on offshore ROV umbilical housing, adding magnesium and zinc anodes to the ROV body to provide cathodic protection whilst in the saltwater.
- Worked on basic wiring on the ROV and ROV control terminal.

REFERENCES

References can be provided upon request.