

## JOB DESCRIPTION

<b>Job Title:</b>	Mechanical and Pressure Systems Lead Engineer (Technical Authority)
<b>Department:</b>	Engineering
<b>Onshore/Offshore:</b>	Onshore
<b>Location:</b>	Aberdeen
<b>Reports to:</b>	Head of Engineering

### Role Purpose

***Write a short description of the role below:***

Reporting to the Head of Engineering, the Mechanical and Pressure Systems Lead (Technical Authority) will be the discipline head for all matters related to Mechanical Engineering. The role will manage a team of discipline engineers to ensure business priorities are delivered and will ensure competence and discipline health across all departments.

As discipline Technical Authority the role will ensure the technical integrity of related equipment across the asset lifecycle and will own all discipline related Performance Standards, OMS documents, Technical Standards and Maintenance Strategies. The role will also manage an outsourced Lifting TA role. The role will provide subject matter expertise to the business and will provide independent review and approval of risk-based decisions including ORAs, MOCs, maintenance deferrals and deviations to standards. The role will support project delivery ensuring the correct application of standards and ensuring operability requirements are met.

### Areas of Responsibility

<b>Geographical Span:</b>	Serica operated assets.
<b>Budgetary Responsibilities:</b>	Yes
<b>Direct Reports:</b>	Yes
<b>Travel Required:</b>	Occasional offshore travel, as required

### Main Tasks

*Please note that this list of duties is not exhaustive, and employees will be expected to undertake reasonable duties commensurate of their role and grade.*

- **Technical Leadership**

- Lead a team of Mechanical engineers to ensure business priorities are delivered. Create a high performing team through effective coaching, performance management and annual assessments.
- Discipline head, ensuring discipline health across all areas of the business (Engineering, Operations, Projects) including competence assurance, technical guidance and direction,

coaching/mentoring, development of team and succession planning. This includes managing an outsourced Lifting Technical Authority role.

- Subject matter expert and appointed Technical Authority for all aspects of the Mechanical and Pressure Systems discipline.
  - Provide technical expertise and professional engineering judgement on key operational engineering issues within the discipline, including assessing the safety, integrity, and production implications arising from operational conditions, deviations, or events.
  - Establish, control and oversee the delegation of technical authority within the discipline to competent discipline personnel.
  - Maintain oversight and assurance of work carried out by engineers in the discipline. Provide direction, technical advice and support as required.
  - Set, maintain and assure SECE Performance Standards. Monitor and audit SECE performance as part of the company's assurance program.
  - Define, maintain and approve assigned OMS documents, Technical Standards and Maintenance Strategies.
  - Contract owner for relevant contracts as required.
- **Risk Assessment and Management**
    - Review and evaluate Operational Risk Assessments and other asset risk evaluations to ensure that potential hazards are identified, analysed, and mitigated appropriately.
    - Assume ownership of the Performance Standards for assigned Safety and Environmentally Critical Elements (SECEs), ensuring compliance with Performance Standards over the asset lifecycle.
    - Support the Management of Change (MoC) process by ensuring that any operational or technical changes are thoroughly evaluated and approved prior to implementation.
    - Approval authority for the Mechanical discipline for specific processes (work order deferrals etc)
    - Collaborate with engineering and operations teams in the identification and management of asset risks, ensuring that robust risk reduction strategies are implemented.
- **Audit and Assurance Activities**
    - Lead and coordinate internal audits and assurance reviews relating to the discipline.
    - Provide independent, discipline-specific assurance to ensure compliance with regulatory and company requirements.
    - Establish key performance indicators (KPIs) and assurance metrics to monitor process safety performance and the effectiveness of risk mitigation measures.
    - Carry out 'Formal Technical Assessments' on the health of SECE barriers and ensure action is taken to address degraded barriers.
- **Project Oversight**
    - Support project teams with input to design decisions, review of key deliverables (such as Basis of Design documents) and resolving technical queries.
    - Evaluate project proposals, designs, and engineering documentation to identify potential risks and ensure compliance with Serica standards and that operability and maintainability requirements are being met.
- **Incident Response and Investigation**
    - Lead technical investigations and root cause analyses (RCA) for discipline related incidents or equipment failures.

- Ensure corrective actions are effectively implemented and lessons learned are integrated into updated procedures.
- **Stakeholder Engagement**
  - Engage with regulators, duty-holder forums and industry bodies to share and influence good practice and guidance relevant to the regulatory regime.

Professional/Educational Requirements	
<b>Essential:</b>	<ul style="list-style-type: none"> <li>● Degree level qualification in Mechanical Engineering or equivalent. Chartered status preferred.</li> <li>● Significant experience in relevant Engineering roles across the asset lifecycle in UKCS oil and gas operations, with a focus on supporting the operational phase and brownfield modifications and projects.</li> <li>● Detailed knowledge of applicable safety regulations, industry standards, good practice and guidance relating to their discipline</li> <li>● Detailed understanding of key legislation and regulatory framework applicable to UKCS offshore installations.</li> <li>● Proven line management skills with the ability to create a high performing team.</li> <li>● Excellent communication skills, capable of engaging effectively with stakeholders at all levels.</li> <li>● Provides robust, independent technical judgement and is prepared to challenge decisions where safety, integrity or compliance may be compromised.</li> </ul>

Acknowledgement	
<i>I have read this job description and fully understand the requirements for my role within Serica.</i>	
<b>Employee Signature:</b>	
<b>Print Name:</b>	
<b>Job Title:</b>	
<b>Date:</b>	