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| **Job Title:** | Mechanical Engineer | **Job Holder:** |  |
| **Division:** | Canada | **Dept/Sector:** | Canada |
| **Grade:** |  | **Skill Group:** | Engineering |

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| **Job Purpose:**  |
| The Mechanical Engineer will contribute to the design, development and support of highly engineered naval systems, working with technical, production and project teams in Canada and the UK. Work will include participating in the design of products, supporting the development of suppliers, designing specialist production and test equipment, mechanical design validation, troubleshooting production activities and supporting In Service Support teams. |
| Key aspects of the role include:* Conduct assigned work packages, producing sound technical solutions that are well considered, defined, optimised and documented.
* Provide the technical interface between the mechanical engineering and product teams in the UK, and production and project teams in Canada.
* Work with the SEA Canada Supply Chain Manager ensure our suppliers have the systems, processes and capabilities to meet the design intent of our products.
* Work with suppliers, SEA product management teams and design authorities to create component and material specifications that can be delivered by a Canadian Supply Chain.
* Facilitate rapid problem resolution of parts quality issues working with suppliers and internal stakeholders

Travel may be required to other SEA sites as well as customer and supplier premises both in Canada and abroad. |
| The jobholder will be expected to:* Create, review and modify engineering designs using 3D CAD tools.
* Produce technical documentation, including design specifications, test specifications and supporting documents for Manufacturing Data Packs.
* Produce stress calculations to support design work, using a combination of first principles, design codes and finite element analysis.
* Review and accept Manufacturing Data Packs before they are passed to the Canadian production team.
* Identify and propose Canadian equivalents to British material specifications and standards
* Support SEA products during manufacturing, assembly, testing, installation, and through service life.
* Work both as an individual and within a team of multi-disciplined Engineers and specialists.
* Deliver assigned tasks to high quality within a timely manner.
* Operate in line with SEA's business management system and actively champion improvement of working processes in line with industry best practice and cutting-edge developments.
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| **Operational Standards and Objectives:** |
| * Ensure a high degree of customer satisfaction – both internally and externally.
* Operate in accordance with company processes and guidelines.
* Proactively champion and lead the way in continual improvement.
* Ensure stakeholder satisfaction through clear and honest communication provided in an appropriate and timely fashion.
* Actively drive for the highest level of personal development such as professional registration or actively work towards similar level qualifications.
* Drive continual improvement within projects and work packages, gathering lessons and reducing waste.
* Commit to personal continued professional and competence development.
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| **Experience and Qualifications:*** Mechanical engineering degree, ideally at Masters level.
* Licensed Professional Engineer.
* Experience in manufacturing and production engineering, ideally in shipbuilding and defence environments.
* A team player with good communication and people skills.
* Strong desire to improve their knowledge and technical understanding.
* Experience of SolidWorks, including simulation and FE analysis, and the MS Office suite of programmes.
* A high level of accuracy and attention to detail.
* Strong problem-solving and clear/critical thinking skills.
* Must have or be able to secure Canadian security clearance.
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| Reporting LineThe jobholder will report to the Senior Systems Engineer, SEA Canada |
| Job LocationThe job will be located in at the Ottawa site in Canada, with hybrid working patterns available. Typically 3 days in the office and 2 days working remotely from home. |
| **Job Holder Declaration:**I accept the purpose and key result areas of my role with SEA are as outlined above.Signature:­­­­­­­­­­­­­­­­­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  |
| **Line Manager Declaration:**I confirm that the purpose and key result areas of this role are as outlined above have been agreed with me as line manager.Signature:­­­­­­­­­­­­­­­­­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |