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AND THEN THERE ARE
CAREERS AT ASC.**

ASC
www.asc.com.au

Senior Signatures Engineer – Structural

We are currently seeking acoustic signatures Engineers to join our structural team which provides engineering support to the Collins Class Submarines.

Reporting to the Structural Manager, you will undertake professional engineering tasks in a complex, and challenging multidisciplinary environment, including taking responsibility for the technical adequacy and safety of design products.

Integral to this role will be your excellent teamwork and communication skills showcasing your ability to interact with people at all levels of the company.

In this role, you will be required to:

- Provide specialist advice and direction on submarine signatures performance, noise and vibration analysis and design of equipment.
- Be able to lead and manage small team.
- Perform numerical calculations and modelling ranging from simplistic hand calculations through to using complex Finite and Boundary Element techniques.
- Perform noise and vibration data collection, testing, analysis and reporting. This may include the assessment of system and equipment performance by trials at ASC, at equipment supplier's premises and on-board submarines at sea.
- Develop, or assist in the development of documentation such as drawings, specifications, test and trials procedures (including safety assessments), concessions, engineering reports and work instructions.
- Investigate signatures defects and problems reported from submarines in service. Develop remedial and corrective designs and actions to overcome and prevent re-occurrence of these defects.
- Review or approve engineering solutions within your delegated Engineering Authority.
- Provide signatures engineering advice to management and to other ASC departments as tasked.

Qualifications, technical competencies and experience:

- A relevant Engineering Degree or higher qualification and either be a current member, or be eligible for membership of the Institution of Engineers Australia. (CPEng or equivalent will be highly regarded). Applicants with a relevant Science Degree and appropriate experience will also be considered for this role.
- Experience in noise and vibration control of machinery systems in the defence, marine or industrial environment is essential.
- Preparedness to take part in tests and trials on-board submarines (both alongside and underway) is essential.
- Experience with signature and/or noise and vibration measurement equipment and analysis tools (such as Bruel and Kjaer PULSE, and modal analysis techniques) is desirable.
- Experience with various engineering modelling tools and software packages such as Finite Element and Boundary Element models, Matlab, LabView etc. is desirable.
- A working knowledge of submarine design, operation and sustainment is desirable.
- Ability to recognise and set appropriate priorities and work standards, and to undertake multiple tasks with a high standard of personal organisation in achieving personal and department goals. This includes demonstrated commercial acumen
- Proficiency in the Microsoft Office Suite of products, especially Microsoft Word and Excel.

Eligibility for an Australian Defence Security Clearance and to access protected US Defence Technology is essential for assessing an applicant's suitability for this role.

Please go to www.asc.com.au to apply for this role.