

Products/Capabilities

- > Seaworthiness and Assurance Engineering
- > Systems Engineering
- > System Safety Engineering and Safety Case Development
- > Safety and Risk Assessments
- > Human/System Integration and Human Engineering
- > Integrated Logistic Support Analysis (ILS)
- > Reliability Availability Maintainability (RAM)
- > Reliability Centred Maintenance (RCM)
- > Risk Based Inspections (RBI)
- > Software Safety and Assurance (SIL Assessment)
- > System Safety Engineering Training Courses and Workshops
- > Advanced Hydrodynamics and Hydrostatics
- > Naval Architecture
- > Computational Fluid Dynamics (CFD)
- > Fire and Blast Modelling
- > Advanced Structural Analysis and Design (incl composites)
- > Analysis and Mitigation of Corrosion

Discriminators

- > Extensive prior experience from over 20 years of working on naval programs including Collins, SEA1654, OPV, FFG, ANZAC, Armidale Patrol Boats, DDG/AWD, Sirius, DMCM
- > Best in class Safety Engineering skills, including provision of training courses for Defence and Defence primes
- > Technical Investigation and Forensic Engineering Assessments
- > Advanced structural analysis and design capabilities (including assessment of shock, vibration, and composites for Defence assets)
- > Experts in MIL-STD-882, JSSEH, RTCA/DO-178, DEF STAN 0056 and other Defence Standards
- > Fully Independent Employee-owned Australian SME
- > Key staff with significant operational (seagoing) experience across all RAN platform types, including nuclear submarines.
- > Industry leader in analysis of Vortex Induced Vibration

Key Defence Customers & *Partners

- | | |
|-----------------------------------|--|
| > Royal Australian Navy | > Gibbs and Cox |
| > Australian Regular Army | > *Australian Maritime College |
| > Royal Australian Airforce | > Indra |
| > DMO/NSSG/
Commonwealth | > Navantia |
| > New Zealand Ministry of Defence | > Naval Group (DCNS) |
| > ADI | > *Australian Missile Corporation |
| > AMC | > Saab |
| > ASC | > *Thales |
| > Austal | > Raytheon |
| > Australian Aerospace | > Rohde & Schwarz |
| > *BAE Systems (formerly Tenix) | > L3 Communications (formerly Nautronix) |
| > Boeing | > Lockheed Martin |
| > *Omniflex | > UGL |
| > CAE | > Naval Ship Management Australia |
| > DST Group | |

Quality Standards and Accreditations

- > Certified HSEQ Management System:
 - ISO 9001:2015
 - ISO 14001:2015
 - ISO 45001:2018
 - ISO 27001
- > Member of DISP (Level: NV1/Secret)
- > RINA (Chartered)
- > Engineers Australia (Chartered)
- > Veterans' Employment Supporter





Engineering solutions

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