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| Position: | Systems Safety / Systems Engineer |
| Contract Type: | Permanent |
| Employment Type: | Full Time |
| Location: | Adelaide, South Australia |
| Department: | Engineering |
| Business Unit: | Land |
| Reports to: | Senior Engineer C-CBRNE |
| Direct Reports: | None |

1. Job Purpose

Support existing in-country operations and business development activities to ensure all Land objectives are successfully achieved through the application of systems safety engineering and systems engineering processes and activities.

2. Responsibilities

- 2.1. Provide expertise in developing System Safety contract deliverables for new equipment acquisitions, including System Safety Program Plans, Hazard Logs and Safety Case Reports.
 - 2.2. Apply a structured approach to Hazard Analysis to ensure hazards are identified, analysed, evaluated and eliminated or the associated risk reduced to an acceptable level throughout the lifecycle of a system.
 - 2.3. Deliver high quality solutions that meet customers' expectations and comply with contractual obligations.
 - 2.4. Provide guidance and support to project teams for systems safety engineering issues.
 - 2.5. Support and develop technical engineering and compliance processes to ensure integration with all operational areas.
 - 2.6. Engineering support to Land business development activity, bids, costings, proposals and engagement with potential customers.
 - 2.7. Promote and pro-actively develop a culture of continuous improvement and innovation throughout engagement with the business and customer.
 - 2.8. To support the asset management team in scoping, developing and implementing improvement initiatives to ensure contractual deliverables and excellence to customers as per the business unit objectives.
 - 2.9. Ensure compliance with all relevant WHS and associated technical legislation.
 - 2.10. Ensure integrity of data held on the business IT systems and system development as determined by contractual need.
 - 2.11. Maintain an awareness of industry 'best practice' and provide regular updates to the business and customers of news and developments within the industry sectors.
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3. Qualifications

- 3.1. Degree qualified engineer preferably with chartered engineer status and a minimum of five years relevant experience
 - 3.2. Professional Certification in Systems Safety Engineering (desirable).
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Position Description



4. Skills & Competencies

4.1. Essential

- 4.1.1. Previous Systems Safety Engineering experience in equipment/fleet management.
- 4.1.2. Experienced in Hazard Analysis techniques, including Operating and Support Hazard Analysis (OSHA), Hazard Material Analysis (HAZMAT) and Failure Modes and Effects Analysis (FMEA).
- 4.1.3. Systems engineering background in either defence capability or experience with a variety of equipment.
- 4.1.4. Proven technical management skills
- 4.1.5. Good analytical skills
- 4.1.6. Good interpersonal skills

4.2. Desirable

- 4.2.1. Systems Safety Engineering experience or Systems Engineering experience within Capability Acquisition and Sustainment Group (CASG).
- 4.2.2. Project Management experience would be of benefit to the role.

5. Mandatory Training Requirements

| Training Type | Frequency |
|--|----------------|
| HSEQ Induction | On Induction |
| Manual Handling and Ergonomics | As-needs basis |
| Success Factors: Anti-Bribery & Corruption Training | On Induction |
| Success Factors: Cyber Security Awareness Training | On Induction |
| Success Factors: Trade Controls Awareness | On Induction |
| Success Factors: Data Protection Training | On Induction |
| Success Factors: Introduction to Picasso IT Services | On Induction |
| Success Factors: Bullying & Harassment Awareness | Annually |
| Security Awareness | As-needs basis |

Our Guiding Principles – Being Babcock

- 5.1. Build great relationships based on trust
- 5.2. Respect people and value their diversity
- 5.3. Always strive to deliver
- 5.4. Challenge ourselves and each other
- 5.5. Safeguard Customers reputations
- 5.6. Thrive on complexity
- 5.7. Trust our people to deliver
- 5.8. Never compromise on health and safety

Position Description



6. Health, Safety & Environment

- 6.1. Contribute to a safe working environment by:
 - 6.1.1. Taking care to protect his or her personal health and safety at work;
 - 6.1.2. Not adversely affecting the health and safety of others in the workplace;
 - 6.1.3. Identifying hazards in the workplace, and rectifying them where possible;
 - 6.1.4. Complying with all reasonable instruction and safety, using equipment provided, reporting any incidents' or near misses which may occur; and
 - 6.1.5. Complying with all relevant HSE policies and procedures.

7. Other Requirements

- 7.1. There may be a requirement to carry out reasonable additional duties to meet the needs of the organisation;
- 7.2. Must operate in accordance with the Babcock Financial Delegations of Authority;
- 7.3. Security Clearance N/A Baseline NV1
- 7.4. Interstate travel required Yes No
- 7.5. Access to protected US Defence Technology & Information Yes No

8. Sign Off

I acknowledge that the contents of this Position Description have been discussed and mutually agreed upon.

| Document Authorised by Department Head | |
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| Name: | |
| Signature: | Date: |

| Name: | |
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| Signature: | Date: |