

SENIOR PRODUCT ENGINEER

JOB SUMMARY:

Reports to the Product/Engineering Manager and is part of a dynamic team implementing positive change to an already excellent organisation. A Senior Product Engineer requires advanced formal engineering experience, system analysis skills and the ability to translate customer requirements into architectural design and technical specifications. Responsibilities include interfacing between customers and design teams in order to generate requirements documents, support bid processes, and maintain engineering department processes.

This role requires the ability to plan and manage the product's architectural design, formulation of the requirements, lead product functional and integration tests, and manage design and support teams during environmental and EMC/EM qualification and verification activities.

RESPONSIBILITIES:

- Perform all tasks normally associated with the Senior Product Engineering discipline;
- Analysis and understanding of customer needs/requirements;
- Interface with customers during proposal, development and product verification phases with regard to customer requirements and change requests;
- Definition and specification of requirements - including authorship for requirements documents, test plans and procedures, and reports;
- Managing subcontractors including definition and specification of subcontractor statement of work;
- Assist with preparation of estimates, schedules, compliance matrixes and costing for bids;
- Responsible for product architecture design, development, implementation and testing;
- Implement system engineering throughout the product development cycle including requirements analysis, requirement tracking, specification preparation, integration, test and verification;
- Manage the product requirements, development documentation and their traceability;
- Work with product development teams - hardware and/or software engineers, and engineering support in a leadership role;
- Produce estimates for work packages and submit reports on activities to the Product/Engineering Manager;
- Complete other duties as required.

QUALIFICATIONS:

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- Bachelors Degree in Electrical Engineering or similar qualification;
- Minimum of 6 years of related experience with embedded control systems preferably in the aviation industry for Engines, Nose Wheel Steering, and Landing Gear control;
- At least 5 years experience in electronic product design and reliability analysis, including digital and analog building blocks;
- A minimum of 3 years team lead experience in systems engineering and architecture design.
- Solid working knowledge and experience of commercial aviation and/or military specifications, standards and practices: DO-178B, DO-254, DO-160, MIL-STDs and ARINC STDs;
- Knowledge of avionics/aerospace product development and project engineering principles, methods and practices including knowledge CM and QA/QC practise.
- Strong understanding of design risk management, obsolescence, costs and cost drivers;
- Experience with traceability tools (i.e. DOORS);
- Must be eligible to meet requirements of CGP or ITAR;
- Computer literate and proficient in Microsoft Word, Excel, PowerPoint, MS Projects, and e-mail;
- Excellent verbal and written communications skills;
- A Leader with solid experience in an autonomous role with proven skills in taking initiative, involving the team, making decisions, preparing reports, and speaking to customers.

This posting reflects the general duties of the position but is not a detailed description of all duties which the successful applicant may be asked to perform.