

BURRANA

Job Description – Electrical Engineer (Irvine)

Department: Engineering

Reports To: Hardware Engineering Manager

SUMMARY

This newly created position is to support the Electrical Engineering functions of the wider department during our next phase of growth.

The position will play a role in Burrana's growth strategy to take a more dominant stance as the leader of in-cabin technology solutions to our aviation clients globally.

The role will perform a wide variety of complex electrical engineering design analysis tasks with assignments that consist of team based and individual problem solving of large-scale projects or systems.

DUTIES AND RESPONSIBILITIES

- The role holder will be required to complete electrical and engineering design and analysis tasks requiring knowledge of engineering theory and principles to determine design solutions for electrical and electromechanical equipment and systems (e.g. line-replaceable units, test boxes, harnesses);
- Completing assignments that require end to end problem solving that form part of a larger project or system. Tasks will require knowledge of material properties, electrical components, printed circuit boards (PCBs) and assemblies, fabrication processes, analysis techniques, PCB schematic, layout and routing;
- The role holder will need to be able to use independent judgement to make decisions in day-to-day responsibilities under general supervision;
- Product requirements gathering, design, test, electrical analysis, integration and documentation;
- Liaison with operations team for material review, component selection, manufacturing and assembly;
- Liaison with certification team and relevant external authorities (DERs) to facilitate review/approval of documentation (e.g. qualification testing);
- Works with all other Engineering functions such as:
 - Systems
 - Mechanical
 - Software
 - Certification and installation
 - Product life cycle and planning
- Works with Operations and Procurement for ERP data upload, Manufacturing test equipment design, Procurement support and Supplier management;
- Works with Quality on first article inspection; and
- Works with Sales/Marketing for bid support.

QUALIFICATION REQUIREMENTS

a) Education and/or Experience

- Bachelors/Masters degree in Electrical/Electronics/Avionics Engineering;
- Experience in PCB and electronic design tools (Altium Designer preferred);
- Experience in firmware design for embedded products (C/C++ preferred);

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- Experience in board bring up and testing;
- Experience in 2D CAD tools (Draftsight preferred);
- Experience in issue tracking/collaboration tools (Jira/Confluence preferred);
- Experience in project management tools (MS Project preferred);
- Experience in MS Office (Excel, Word, Power Point);
- Experience in enterprise resource planning (ERP) systems (Epicor preferred)