

# Honeywell Aerospace

## Senior Mechanical Engineer

Require a Mechanical Design Engineer experienced in the Design and Development of Arinc and Custom style enclosures for airborne electronic equipment. Specifically, the Design and Development of Products for Airborne Satellite Communications Equipment, including Controllers, Antennae, Harnessing and Interface to the Aircraft.

Duties would include but not limited to:

- Establish hardware requirements consistent with customer's requirements.
- Perform design, analysis, documentation, and support activities.
- Prepare & support development & Qual testing as well as the associated documentation and correlate between testing and analysis.
- Preparing schedules and estimates and ensure projects are entered and tracked to meet all Program Milestones.
- Lead the resolution of technical problems with the Design Team and/or the Customer.
- Lead mechanical design reviews with customers.
- Provide direction and mentor other Engineers and associates to ensure project and product compliance.
- Coordinate failure analysis at the component level and interpret part failure analysis results
- Coordinate implementation of design changes.
- Lead or assist in Aerospace Engineering processes and guidelines, department process improvement initiatives/product improvements and reuse using engineering knowledge and principles.
- Support estimates/quotations for work on new programs.

The Honeywell building is a controlled goods program environment. Candidates must be eligible for CGP clearance.

### **You Must Have:**

- Minimum Bachelor's in Mechanical Engineering or Aerospace Engineering.
- Minimum 8 years experience in a Mechanical engineering role.

### **We Value:**

- Previous Mechanical Design experience in Aerospace Electronics, Wiring and Harnessing and/or Satellite Communications Technology would be an asset.
- Experience in Aircraft Structure, Structural / Thermal analysis a plus
- Comprehensive knowledge in GD & T. (ASME Y14.5)
- Knowledge of Printed Wiring Board Design, Manufacture, Materials and Processes; multi

layer, analogue, digital, high pwr (IPC Std 275.)

- Thorough understanding of fabrication processes; machining; casting; extrusion; sheet metal; welding; and wiring techniques; etc.
- Demonstrated involvement in Mechanical Sciences: analysis-thermal, structural; involvement in environmental testing.
- Strong oral and written communication skill with employees at all levels.
- Strong in computing skills; Admin:- Microsoft Office suite; Design:- Pro-Engineer CREO, Seimen NX, and/or NXideas. Analysis: NX, ICEPAK
- Experience in Electro-Mech. packaging techniques for high pwr power conversion technologies in an aerospace environment.
- Experience as a member of a design team taking product from concept through production.
- Experience in Design to Cost (DTC) and Design for Manufacturability and Assembly (DFMA.)

Accommodation is available upon request for applicants with disabilities under the Ontario Human Rights Code

Applications (resume and cover letter) to be sent to: Dan Cosman, Technical Manager, Honeywell [Aerospace---dan.cosman@honeywell.com](mailto:dan.cosman@honeywell.com)

**\*\*This position will be located in Ottawa.\*\***

Application Deadline: Friday, November 23, 2018