



Wireless That Just Works

## Mechanical Engineer

### Scope of Responsibilities & Position Expectations

Cambium Networks is seeking an experienced and motivated Mechanical Engineer driven by contributing to the success of this exciting and fast-moving company whose multi-disciplinary teams create leading, award winning, wireless products.

The ideal candidate will be a hands on mechanical designer skilled at working in a multidisciplinary environment, able to contribute to innovative product development.

The opportunity is to develop electronics packaging for complex radio systems whilst meeting the rigours of short development cycles, low cost and high performance. Candidates will be expected to contribute to the design at all phases of the product lifecycle: concept, requirements, system specification, design, implementation, testing, validation, introduction to manufacture and maintenance in manufacture.

### Knowledge/ Skill Requirement

#### Required Skills:

- Demonstrable Mechanical Design experience. Successful candidates will be expected to present examples of previous work and discuss the development problems that were faced and how they were overcome. Examples could include, but not limited to, design for hostile environments, thermal management, fatigue/durability.
- Experience of product development from concept through to volume manufacture
- Competent in creating detailed mechanical models with 3D CAD software (PTC/Creo preferred) - Able to work closely with engineers in other disciplines, external contractors, and vendors - Able to work individually on design tasks and present concept designs and solutions - Create and maintain detailed design documentation, specifications, engineering drawings, part approvals. ECOs
- Experienced in the control of design data, use of revision control and PDM.
- Able to work with global supply chain, including some overseas visits
- Understanding of design for part manufacture processes, in particular Injection moulding and pressure die casting
- Hands on assembly, general workshop skills and product testing
- Working as part of a global engineering team and working effectively with project members in different locations and timezones.

#### Desired Skills:

- Creative and practical
- DFM, DFA, FMEA experience
- Experience of designing products for outdoor/harsh environments
- Wide ranging experience of manufacturing processes - Engineering drawings (components / sub-assemblies)

- Tolerancing analysis, geometric tolerancing
- Thermal and stress calculations (hand calcs and software analysis)
- Design of jigs and fixtures for assembly and test
- Design of Outdoor enclosures complaint to IP67 standard

**Additional Job Requirements:** - BE/ME/ BTech/MTech in Engineering Product Design or Mechanical Engineering.

- Manage project technical development from concept to production - Support staffing and material estimates for mechanical development. - Minimum of 10 years of relevant industry experience developing mid and high volume products and systems - Willingness / ability to travel for customer visits / supplier visits and factory builds, including overseas - Self-motivated personality and ability to work in a team and work independently - Ability to multi-task with multiple live projects
- Work with local and remote test labs to complete reliability and environmental tests.