



Department: **Engineering**

Reports To: **Engineering Manager**

Job Title: **Component Engineer**

The Component Engineer is responsible for leading the part lifecycle management, selection, and maintenance activities in support of Avionic Instruments' (AI) new and existing products. Avionic Instruments LLC designs and manufactures military and commercial aerospace power conversion and distribution products. The position requires close collaboration with Engineering, Program Management, Procurement, and Operations to ensure on-time delivery and long-term sustainment of AI products.

**Key Responsibilities:**

In this role the responsibilities will include, but not be limited to:

1. Provide technical direction in the identification/selection of primary and alternate active/passive components in support of new and existing AI designs
2. Lead in managing and executing of the component Obsolescence Management Plan (OMP)
3. Support AI and our customer SDRLs for diminishing manufacturing sources and material shortages (DMSMS) reporting
4. Collaborate with Purchasing/Production teams to keep current on availability/end-of-life status for AI components to allow proper planning across all company disciplines for alternate selection, re-design, life-time-buy, or product end-of-life dispositions
5. Select component alternates to overcome lead time and availability issues
6. Maintain part catalog technical data and work with component manufacturers in support of failure investigations
7. Coordinate, plan, and schedule testing of alternate components for compliance and reliability analysis
8. Generate Engineering Change Notices (ECNs) in support of obsolescence efforts
9. Review new technologies and quality trends and make recommendations for improved reliability

**Requirements:**

The successful candidate will have a background which includes the following demonstrable experience, skills and education:

1. Bachelor's degree in Electrical Engineering (or similar technical discipline) is preferred
2. A minimum of 5 years of relevant work experience
3. Knowledge of microelectronics and electro-mechanical packaging fabrication/assembly processes
4. Ability to read and understand specifications, electrical schematics, mechanical drawings, datasheets, military & commercial standards, necessary to assess compliance
5. Strong analytic and communication skills, including ability to write concise findings reports



6. Working knowledge of general PC tools (ex. Microsoft Word, Excel, etc.) as well as obsolescence management processes and tools (ex. SiliconExpert, Epicor ERP, etc.)

**Authorities:**

Ensure compliance with applicable processes and procedures during the course of daily job function

**Physical Demands:**

While performing the duties of this job, the employee is occasionally required to stand, walk, sit, use hands to finger, reach with arms and hands, climb stairs, stoop, kneel, crouch, talk or hear. The employee must occasionally lift and/or move up to 30 lbs.

**Work Environment:**

While performing the duties of this job, the employee is exposed to weather conditions prevalent at the time and an air-conditioned and heated office. The noise level is occasionally high.

**Disclaimer:**

The above information on this description has been designed to indicate the general nature and level of work performance by employees within this classification. It is not designed to contain or be interpreted as a comprehensive inventory of all duties, responsibilities and qualifications required of employees assigned to this job.

Avionic Instruments is an Equal Opportunity Employer and encourages the application of female, minority, disabled and veteran candidates. Due to the potential for exposure to ITAR controlled data, the incumbent in this role must be a US Person (US Citizen or US Permanent Resident). Interested candidates should submit their resume and salary requirements.