



POSITION: Avionics Product Development Engineer

REPORTS TO: Director of Product Development

DATE: December 23, 2011

GENERAL DESCRIPTION:

The Avionics Product Development Engineer is responsible to the Director of Product Development for assigned activities resulting in the proper definition, design, verification, certification, and engineering oversight of avionics products developed by FLYHT.

DETAILED DESCRIPTION:

- Establish the Product Specification, which includes functional and performance requirements, regulatory drivers, and design constraints.
- Maintain the Product Specification throughout the system development process using a formal Change Management process.
- Oversee the hardware and software engineering activities to establish the system architecture.
- Ensure proper selection and specification of materials and processes to fully define the product, and to ensure a certifiable and cost-effective product is produced.
- Oversee the establishment of product documentation including but limited to: Technical Specifications, User Manuals, and Component Maintenance Manuals.
- Work with testing team to establish validation and verification procedures and reports at system, hardware and software levels. The V & V activities should demonstrate that the system design meets the Product Specification requirements.
- Give guidance to development personnel as necessary.
- Use experience and technical expertise, as required, to assist in meeting the development and production schedules, and to achieve the product quality that FLYHT requires.
- Perform related tasks as assigned.

EDUCATIONAL BACKGROUND:

- Degree or Diploma in a related field (e.g. Electronics Engineering).
- Five or more year's related experience and/or training; equivalent combination of education and experience.

EXPERIENCE:

- Five or more years demonstrated experience in managing the complete design life cycle of avionics and/or similar real-time embedded electronics systems.
- Related hardware and/or software systems design experience.
- Strong project management skills.
- Knowledge of RTCA/DO-160, DO-178 & DO-254 and/or FDA 510(k) requirements.
- Experience in airworthiness certification of avionics equipment an asset.

QUALIFICATIONS/SPECIAL SKILLS AND CERTIFICATIONS:

- Results oriented – Proven ability to achieve goals, deadlines and targets; Strong organizational, multi-tasking and time management skills; Strong problem solving and analytical skills.
- Communication - Speaks clearly and persuasively in positive and negative situations; Listens and gets clarification; Responds well to questions; participates in meetings; written communications is completed in clear and concise manner. Excellent grasp of English both verbal and written.
- Leadership – Exhibits confidence in self and to others; Inspires and motivates others to perform to a high standard; Effectively influences actions and opinions of others; Inspires respect and trust; Accepts feedback from others; Displays passion and optimism; Mobilizes others to fulfill corporate vision; Maintains absolute confidentiality.
- Computer – Proficient in MS Word, Excel, and Visio; Experience with DOORS an asset.
- General knowledge of the aircraft industry, including familiarity with the requirements of manufacturing and repair facilities, FAA and Transport Canada regulations, standards and advisories, and Continued Airworthiness activities.

REQUIREMENTS:

- Must possess a valid passport (occasional travel required).

APPLICATION:

Send resume and cover letter to hr@flyht.com with the position name in the title of the email.



Our Core Values

We take our work seriously, but not ourselves
We create smart solutions to problems
We don't give up, ever
When a customer needs us, we're there
We support each other, always