



Position Title: Project Engineer
Department: R&D Engineering
Reports To: Director of Engineering
FLSA Status: Exempt
Prepared Date: 4/13/2018
Approved Date: 4/13/2018

SUMMARY

The Project Engineer is responsible for providing the technical project leadership on new rugged computing product development efforts by planning, organizing and controlling all technical elements of the project. Also identifies project responsibilities by determining the phase and elements of the project. He or she should be competent in handling simultaneously occurring tasks and small projects with excellent written and oral communication skills. In addition he or she will assist Engineering in the transfer of the new products into qualification, manufacturing, and the establishment of tests and test methods.

ESSENTIAL FUNCTIONS *(To perform within this position successfully, the incumbent must be able to perform each essential duty satisfactorily. Other duties may be assigned.)*

Provide direction of product designs where Analog, Digital, Mechanical, Software, and Regulatory engineering is being performed for military or aviation applications within rugged environments.

Design for compliance with military, aviation, and company specifications/standards such as MIL-STD 810, MIL-STD 461, and DO-160 with emphasis on shock, vibration, wide temperature extremes and EMI/RFI concerns.

Interface with systems and software engineers to specify and evaluate interfaces between hardware and software including device drivers, UEFI/BIOS, and ACPI interfaces for the Intel x86 and ARM architecture.

Direct detailed circuit design of interfaces to flat panel displays, storage devices, Smart Power subsystems and other OEM components.

Direct architectural design for Intel x86 and ARM based processor solutions.

Drive subcontractor solutions, schedules, and deliverables to align with project goals.

Prepare and manage design specifications, BOM, budgets, schedules, SOW, and internal deliverables.

Prepare complete documentation packages including schematics, assembly drawings, and BOM's.

Perform other duties as may be required.

Supervisory Responsibilities: Engineers and Technicians Yes

BASIC QUALIFICATIONS *(The requirements listed below are representative of the knowledge, skills, and/or ability required and preferred for this position.)*

Required Education & Experience:

- Bachelor's Degree in Electrical Engineering (BSEE), or Mechanical Engineering (BSME) with 10 years of experience in an engineering detailed design environment

Required Knowledge, Skills, & Abilities:

- Experience with Microsoft Windows or Linux operating systems
- Ability to read and understand schematics and mechanical drawings.
- Ability to organize and prioritize tasks; excellent time management skills.
- Strong interpersonal, verbal and written communication skills to interface with project team and external vendors and be able to accurately document, report and present
- Proficient with Microsoft Office (Word, Excel & PowerPoint)
- A drive for results in a teambuilding environment
- No travel restrictions

Preferred Education & Experience:

- Experience in aerospace and military environment
- Experience with Microsoft Windows and Linux operating systems development
- Working knowledge of Microsoft Dynamics AX 2012
- Thorough knowledge of manufacturing.
- Ability to write reports, business correspondence, and procedures
- Ability to effectively present information and respond to questions

Physical Demands and Work Environment:

- While performing the duties of this job, the incumbent is frequently exposed to moving mechanical parts, fumes, or airborne particles, risk of electrical shock and vibration.
- The noise level in the work environment is usually moderate.
- The incumbent may be required to walk and stand for long periods of time.