

## Senior Electrical Design Engineer

### Job Description:

Lead and collaborate in the creation of space transportation integration and electrical design products and plans for the design, manufacture, integration, and testing of the Space Launch System Launch Vehicle Stage Adapter (LVSA), its major elements, and other support systems.

### Job Duties:

- Design electrical cable and sensor assemblies to meet design and interface requirements, NASA standards, and performance requirements.
- Work as part of a larger customer/contractor team to determine and negotiate between major elements and systems to arrive at proper designs, plans, procedures and checkout requirements for the integration and assembly of assigned areas.
- Perform analyses and tasks to plan and document the necessary steps to assemble, integrate, and test electrical cables, instrumentation, and related mounting hardware.
- Perform project and system engineering tasks including analyses and trade studies.
- Create cable assembly and interconnect drawings, bonding and grounding diagrams, power drop analyses, and proper documentation and records to support activities.
- Review and collaborate on products such as designs, analyses, functional flow diagrams, operations. analyses, verification matrices, interface requirements and other technical reports.

### Requirements:

- BS degree in Electrical Engineering or related field from an ABET accredited institution with a minimum of 12 years engineering experience, or MS and 8 years engineering experience is required.
- Experience with preparing electrical design products in MS Visio, and CAD programs required.
- Thorough understanding of engineering principles, electrical design standards, and product life cycle required.
- Solid planning and project management skills are desired.
- Excellent written and verbal communication skills and working knowledge of MS Word, Excel, Powerpoint are required.
- Experience with NASA electrical standards is highly desired.
- Understanding of space transportation systems and operations background is desired.

**Employment Type:** Full-Time

**U.S. Citizenship Required:** Yes

**Security Clearance Required:** No

**Compensation Package:** Attractive Benefit and Compensation Package including medical, dental, vision insurance, 401K program and Life insurance

**ECI Inc. is an Equal Opportunity Employer**