

# Renewegy Career Opportunity

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**Requisition:** R-130301

**Job Title:** Electrical System Engineer

**Job Location:** Neenah, WI

**Job Description:** Experienced Electrical Engineering career opportunity in the design, validation, and application of advanced mechatronic systems. Responsibilities will include electrical and control system design, system specification, system architecture development and component selection, BOM development, Failure Mode and Effects Analysis, wire harness design, algorithm specification, and embedded control software development.

Candidate should have experience in the design and validation of electrical and electronic systems preferably in the areas of mobile industrial or automotive.

Specific knowledge and duties are as followed:

- Detailed knowledge of electrical systems and components
- Detailed knowledge of mobile/marine/vehicle electrical systems
- Experience in system Failure Mode Analysis and related documentation
- Experience with project phase/gate processes
- Ability to develop test plans for electrical system validation
- Working knowledge of CAN bus systems and protocols recommended
- Experience with real-time control and embedded software
- Ability to design and fabricate automotive-style electrical wiring harnesses
- Willingness to take on responsibility and keep multiple simultaneous assignments on schedule
- Work with mechatronics, software, and other supporting engineering disciplines to converge on overall design solution

**Minimum Qualifications:** BSEE (or equivalent) with minimum 2-5 years experience in electrical system design and validation, preferably with experience in the mobile or automotive markets. Candidate must be able to interface with multidisciplinary groups and work effectively as a team; further candidate must be able to break down complex systems to their physics roots. Candidate must be able to effectively use Microsoft Office, specifically Excel, Outlook, Word, and PowerPoint. Candidate may be required to do some travel as customer needs require.

## Preferred Skills

Ideal candidate will have LabVIEW experience and have a background in new product validation. Ability to write control and embedded software highly desirable.