

Job Title	Director, Battery Management Systems & Controls	Status:	Full-Time, Exempt
Location:	Headquarters, North Logan, UT	Department:	Battery Management Systems & Controls

Electric Power Systems, Inc. ("EPS") is an innovative technology company that supplies Energy Storage Systems for Aerospace and Transportation applications. EPS's mission is to power upward mobility by providing smarter, safer, more reliable, lighter, and certifiable batteries. At EPS, you will have the opportunity to grow your career by working on new technology that enables the future of mobility. EPS's headquarters is in North Logan, Utah.

POSTION SUMMARY:

This position will lead the design, develop, test, debug, and implement embedded software and systems team for our aviation battery technology system. This critical position will collaborate cross functionally with hardware and systems engineers in addition to providing engineering support for testing, deployment, and updates.

This position requires the use of information which is subject to the International Traffic in Arms Regulations (ITAR). All applicants must be U.S. persons within the meaning of ITAR. ITAR defines a U.S. person as a U.S. Citizen, U.S. Permanent Resident (i.e. 'Green Card Holder'), Political Asylee, or Refugee.

EP Systems, Inc. is an Equal Opportunity Employer/Veteran/Disabled 41 CFR 60-1.4

WHAT YOU WILL GET TO DO:

- Lead the planning, design, and modification of software and embedded electronic hardware engineering projects for our battery management software systems
- Provide technical support to developer teams around battery management systems and software
- Develop software and electronic hardware requirements and BMS architecture
- Analyze existing software to strategize about upgrades, features, or new platforms
- Generate and validate software code
- Direct the development and implementation of innovative solutions to optimize development processes
- Management of specialty engineering work scope including planning, budgeting, and reporting
- Translate business requirements into technical specifications to help manage project priorities and timelines
- Provide independent review of portfolio software, hardware and deliverables, focused deep dives in program and product teams, as well as driving compliance to processes and procedures
- Provide advisement to program leads and embedded resources
- Support documentation and validation toward FAA certification

- Provide analytical support and direction for the Software Engineering team members.
- Identify and mentor high potential technical leaders.

REQUIRED QUALIFICATIONS:

- Bachelor's Degree in Electrical & Computer Engineering or Computer Science with 10+ years of progressive engineering experience, or a Master's Degree with 8+ years of experience
- 5+ years of experience in safety critical software development
- 5+ years of experience in formally leading engineering teams or organizations to achieve a common goal
- Proficiency in the implementation of DO-178C, DO-254, and DO-330
- Demonstrated technical expertise in software unit test, integration testing, and introspection
- Expertise in C/C++ for real-time, safety-critical embedded systems
- Deep knowledge of ARM Corex-M architecture and its integration into firmware designs
- Familiarity with bus protocols such as CAN, ARICN429, and Ethernet
- Exceptional communication skills and the ability to mentor and develop technical talent

PREFERRED QUALIFICATIONS:

- Experience in the certification of battery management systems or fault-tolerant embedded systems
- Proficiency with development tools such as GIT, JIRA, and Linux-based environments