BMS Engineer (m/f/d)

Location: Erlangen, Germany

ABOUT FLUENCE

Fluence, a Siemens and AES company, is the leading global energy storage technology solutions and services company that combines the agility of a fast-growing technology company with the expertise, vision, and financial backing of two industry powerhouses. Building on the pioneering work of AES Energy Storage and Siemens energy storage, Fluence's goal is to create a more sustainable future by transforming the way we power our world. The company offers proven energy storage technology solutions designed to address the diverse needs and challenges of customers in a rapidly transforming energy landscape, providing design, delivery and integration in over 160 countries. Fluence works closely with customers throughout their journey and provides advisory, financing, and project lifecycle services.

JOB DESCRIPTION

In this role you will be responsible for design, development, specification, and evaluation of battery management systems for Li-ion batteries. You will be a member of a team focused on specification and deep evaluation of third party battery system components and DC systems and their incorporation into Fluence stationary energy storage systems. You will define and conduct functionality and integrity testing of BMSs. You will collaborate in design of such systems with internal and external teams, develop protectable intellectual property and advance the state-of-the-art in BMS capabilities through collaboration with other Fluence technical teams. You will develop Fluence owned BMS subroutines and sub-components for incorporation into third party systems that differentiate Fluence systems in the marketplace.

RESPONSIBILITIES

- Responsible for hardware and software specifications of BMS platform
- Perform integration and functionality testing of third party BMSsTranslate customer requirements and next generation developments to component architectures
- Work directly with suppliers to understand technology timelines and to drive development paths to meet technical needs
- Keep Fluence technology strategy up to date, stay educated and knowledgeable about technologies for now and in the future.
- Develop a deep understanding of supplier ecosystem and solutions and act as subject matter expert in vendor selection and procurement processes.

- Work with Sales, Engineering, Project Management and Product leaders in the definition of requirements
- Partner with research, technology providers, and supply chain teams to create requirements.
- Guide prototype hardware technologies and platforms and solidify complete architecture developments
- Drive improvements and cost reductions
- Travel as needed up to 10% with exceptions for pandemic conditions

QUALIFICATIONS

- 5 or more years experience in Li-ion BMS design, testing, and operation
- Experience with BMS development and experimental work in the field of batteries
- Experience in data processing within BMS, data evaluation and communication
- A dedication and commitment to results in a dynamic and fast developing environment
- Excellent written and verbal English skills
- Ability to collaborate across disciplines, departments, both internal and external, and across geographies, with strong team skills

- M.Sc. Physics, Computer Science, Electrical Engineering or similar;
- 5+ years in design and development of BMS systems
- Strong knowledge of electrical components, communication and system architecture.
- Strong technical communication skills.
- Passion for batteries, sharing know-how, and learning from others

GET IN TOUCH

Please send us your complete application documents including language skills, education certificates, work references and cover letter at **careersgermany@fluenceenergy.com**.

Only complete application documents can be considered.

Fluence Energy IS AN EQUAL OPPORTUNITY EMPLOYER and fully subscribes to the principles of Equal Employment Opportunity, to ensure that all applicants and employees are considered for hire, promotion, and job status without regard to race, color, religion, sex, national origin, age, disability, sexual orientation, marital or familial status.