

Mechanical Engineer

Location: Arlington, Virginia

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.

The role will primarily engage in the ongoing development of Fluence's energy storage solutions, focusing on the mechanical design and physical properties of the product. The Mechanical Engineer is expected to have a broad mechanical engineering background as well as strong proficiency in 3D CAD, and will be responsible performing mechanical design work, writing equipment specifications, managing external consultants, selecting suppliers, and other responsibilities. Major responsibilities to include:

Responsibilities:

This role will be directly involved in the product development engineering of utility scale energy storage solutions as part of Fluence. Major responsibilities to include:

- Perform Computational Fluid Dynamics simulations for facilities.
- Design HVAC solutions for a wide range of applications.
- Evaluate mechanical systems and products by designing and conducting research programs; applying principles of mechanics, thermodynamics, hydraulics, heat transfer, and materials.
- Design testing procedures and control equipment to accurately assess products and identify areas that require modification and further testing.
- Work closely with product engineers, project engineers and construction managers to identify and define optimal solution.
- Develop subsystem specifications and assist in selecting major subsystem vendors
- Evaluate new technologies and contribute to the development of long-term product roadmap
- Collaborate with Electrical Engineering, Procurement, and Operations groups to ensure cost effective and maintainable physical design
- Collaborate with third party engineering firms in the development of certain aspects of product solutions
- Understand and evaluation Fire protection systems

Qualifications:

The preferred candidate will have a background in product development and in mechanical engineering with a minimum of an undergraduate degree and 3-7 years of experience. Salary is commensurate with experience. Experience in the energy storage space is preferred.

- Experience taking a leading or supporting role in product development
- Experience with 3D Modeling programs such as AutoCAD, Solidworks, Sketchup, Revit, etc.
- Demonstrates sound business judgment.
- Takes individual initiative and works with minimal supervision while being a collaborative team player.
- Works dynamically, across multiple teams and projects concurrently, in a technical business environment.
- Possesses an entrepreneurial drive for getting things done and a “whatever it takes” attitude.
- Has excellent English verbal and writing skills, additional languages or international work experience is a plus.
- Knowledge with seismic analysis is strongly preferred.

Travel: 20-30%, willingness and ability to travel is required.

Qualified candidates are requested to submit a resume and cover letter at careers@fluenceenergy.com.

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