

# Product Design: Test Engineer

Location: (Arlington, VA, or Continental US)

## ABOUT FLUENCE

Fluence, a Siemens and AES company, is the global market leader in energy storage technology solutions and services, combining the agility of a technology company with the expertise, vision and financial backing of two well-established and respected industry giants. Building on the pioneering work of AES Energy Storage and Siemens energy storage, our goal is to create a more sustainable future by transforming the way we power our world. Providing design, delivery and integration, Fluence offers proven energy storage technology solutions that address the diverse needs and challenges of customers in a rapidly transforming energy landscape.

Fluence currently has more than 2.4 gigawatts of projects in operation or awarded across 24 countries and territories worldwide. We topped the Navigant Research utility-scale energy storage leaderboard in 2018 and were named one of Fast Company's Most Innovative Companies in 2019. In 2020, our sixth-generation Tech Stack won Commercial Technology of the Year at the 22<sup>nd</sup> annual S&P Global Platts Global Energy Awards.

## Leading

Do others come to you for your subject matter expertise? Are you excited by the challenge of working in a start-up atmosphere with a purpose?

The Test Engineer will be critical in helping Fluence deploy the next generation of energy storage technology. The Test Engineer will be responsible for defining, developing and executing tests related to the hardware of the battery energy storage enclosure and associated components.

## Responsible

Fluence is defined by its unwavering commitment to safety, quality, and integrity. We take personal ownership in what we do, developing trust in our relationships with internal and external stakeholders. We firmly believe in having honest, forthcoming, and fair communications.

The key roles and responsibilities of the Test Engineer include:

- Develop a deep understanding of the electrical, mechanical and structural aspects of the battery enclosure, control system, fire suppression system, 1500Vdc battery system and air or liquid based cooling system.
- Develop product specific test procedures based on design documentations and requirements specifications.
- Define acceptance criteria for tests.
- Define clear goals for all aspects of a product test and develop steps for their proper execution.
- Investigate and analyze test failures to provide valuable feedback to the development team.
- Perform tests to verify system functionality and to ensure conformity of product specifications to quality standards.
- Champion test system improvement projects by identifying opportunities to improve existing test station software and hardware
- Collaborate with manufacturing engineers to develop rationale for changes.
- Support manufacturing team with creation of all manufacturing test fixtures, test programs, and test documentation and implementation test strategy with contract manufacturer.
- Setup and conduct testing. Document and monitor test outcomes.
- Develop detailed specifications for proposed solutions based on test outcomes.
- Develop detailed documentation with test results and prepare relevant test reports.
- Collaborate with third-party vendors and external testing agencies.
- Identify and develop tests based on compliance requirements.
- Manage third-party certification processes from cradle to grave.
- Perform failure analysis, review, and analyze data to drive corrective actions as required

## Agile

Here at Fluence, we strive to continuously improve, be intellectually curious and be adaptive to our customers and employee's needs. Collaboration is key, both in our partnerships with our customers, and with each other. Fluence prioritizes the most critical efforts that allow for the greatest impact.

- 8 Bachelors' degree in Electrical Engineering, Systems Engineering or similar.
- 5+ years industry experience required (Utility, Wind, Solar, or Thermal energy equipment supplier).
- Previous testing experience is strongly preferred.
- Knowledge of testing procedures and engineering.
- Strong communicator (written and verbal).
- Good technical writing skills.
- Ability to travel up to 40% of time.
- Demonstrated proficiency using MS Office Tools (Word, Excel, PowerPoint, Visio)
- Good problem-solving skills.

- Able to manage projects.
- Must possess a desire to take on tough and challenging projects.

## Fun

Working on transforming a fundamental part of our society is exciting and fulfilling. It requires creativity, diversity of ideas and backgrounds, and building trust to effect change and move with speed. We respect our coworkers and customers. We listen to what others have to say, and we are inclusive.

## GET IN TOUCH

Please send your resume and cover letter to [careers@fluenceenergy.com](mailto:careers@fluenceenergy.com).

Fluence 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, veteran status, sexual orientation, marital or familial status.