

# Electrical Engineer

Location: Arlington, Virginia 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?

Fluence is looking for an Electrical Engineer with experience in the renewable energy industry of solar and/or battery-based energy storage or with inverters and batteries. This position is within the Technology Team and will provide support in general product development activities such as qualification, technical due diligence, testing, product deployment, and commissioning while creating scalable processes. The ideal individual will demonstrate enthusiasm and passion for product development and attention to detail and undertake following responsibilities:

- Gain thorough understanding of Fluence product offerings and its key components i.e. inverters and batteries and contrast their features based on important technical parameters, product capabilities and project requirements to determine compatibility, compliance, selection and product configuration and assess tradeoffs
- Curate content on Confluence and/or author technical writeups on various topics such as product capabilities, guidance on selection, usage, application and other topics as needed
- Use Agile methodology, Scrum work flow and JIRA ticketing system as a way to perform daily work and coordinate with other team members

- Use Excel, Matlab, etc to develop tools or calculators to expedite internal process and assigned work
- Collaborate with different cross-functional teams: Sales, Engineering, etc. and stakeholders to understand their requirements and provide guidance on product selection and general technical support
- Support projects during commissioning and site acceptance testing with equipment configuration settings and troubleshooting equipment faults and reviewing results

### **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.

- Master's Degree in electrical engineering with an emphasis on power systems and/or renewable energy systems2 – 3 years of work experience in product or project design and engineering of solar, battery energy storage
- Experience in power conversion (ac/dc, dc/dc), advanced lithium-ion batteries, transformers, scada, ground fault monitors – specification, review, selection and operation
- Experience in sizing cables, equipment, power supplies, auxiliary load calculation, etc.
- Possesses design knowledge and understanding of key technical data to select equipment
- Working knowledge of National Electrical Code, UL, IEEE certifications as in relation to power conversion and batteries
- Experience writing control software
- Proficiency in MS Office Excel to develop calculators, etc.
- Knowledge of Power Plant Controller, Frequency Regulation, Smart inverter functions (for example, P(f), Q(V), ride-through etc.) and grid-forming and battery topics (for example, RTE, degradation, C-rate, etc.) and
- Excellent verbal and written communication skills and demonstrated experience in technical writing
- Hands-on experience of testing grid scale inverters, batteries or field commissioning experience is a plus but not necessary

## 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.

- Ability to work collaboratively in remote teams, teamwork
- Fluency in English; knowledge of German is a plus
- Excellent communication and presentation skills
- Innovative and creative problem-solving skills
- Self-motivated and willing to take initiative, customer orientation
- Occasional travel to Fluence lab (in California) or office (Arlington) or project site (approx 10%)

## 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

Apply [Here](#)

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.