

## Solar & Storage Product Development Engineer

Location: Arlington VA

### 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

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

- Maintain and develop detailed technical and functional requirements for the SunFlex integrated solar / storage product
- Perform system level design of SunFlex including selecting major subsystem vendors, developing and managing design drawings and specifications documents, and participating in major decisions about product architecture
- Develop testing specifications and support product testing, including involvement in hands on lab testing during evaluations of prototype systems
- Support product certification to industry standards, i.e. UL, CE, IEC
- Evaluate new technologies and contribute to the development of long term SunFlex product roadmap
- Collaborate with and manage third party engineering firms as support is needed

### Qualifications

The preferred candidate will have a background in electrical engineering and product development in the power conversion and/or renewables space with a minimum of an

undergraduate degree and 4-10 years of work experience. Salary is commensurate with experience. Experience with solar and/or energy storage is strongly preferred.

**Required:**

- Electrical engineering, controls engineering, and/or product development experience with energy storage, PV systems, microgrids, or other integrated DC/AC electrical systems
- Familiarity with DC/AC or DC/DC converter operation; some past experience designing or modeling power conversion devices is a plus
- Knowledge of utility grid interconnection standards in the U.S. or abroad, such as UL/IEEE standards and local interconnection requirements
- Demonstrates sound business judgment.
- Takes individual initiative and works with minimal supervision while being a collaborative team player.
- 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.

**Preferred:**

- Familiarity with utility scale PV systems design, control, and monitoring
- Experience writing technical specifications for equipment procurement
- Knowledge of or history working with major component suppliers in the solar or battery storage industry, such as inverters, PV panels, or lithium ion battery modules
- Experience qualifying products to product standards with NRTLs (i.e. UL, Intertek, CSA) is a plus
- Familiarity with BMS communication protocols, i.e. ModbusTCP, CANbus

Qualified candidates are requested to submit a resume and cover letter at

[careers@fluenceenergy.com](mailto:careers@fluenceenergy.com) or

<http://nssrpo.catsone.com/careers/index.php?m=portal&a=details&jobOrderID=10813453>

# FLUENCE

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