



---

## Clean Energy Associates – Job Description

### Energy Storage Engineer

---

#### Company Description

Founded in 2008, Clean Energy Associates is a global solar PV quality assurance, factory audit, supply chain management and engineering services firm. Our mission is to help our clients and partners deploy quality solar energy solutions worldwide. With 75+ multinational professionals based in 10 different countries, we serve the needs of project developers, IPPs, EPCs, financial institutions, installers, and other downstream partners that value supply chain transparency and quality solutions in the solar energy field. Led by a management team with combined 100+ years of solar PV business experience and supported by 35+ engineers, we help mitigate risk and solve a broad array of clients' downstream needs for higher system performance and profitability. The CEA team has accumulated vast amounts of upstream and downstream experience through the completion of 16+ GW of PV projects in 35 countries worldwide.

With a multicultural team and a strong track record since 2008, CEA is committed to support clients' needs locally and ensure timely project execution of quality assurance, supply chain management, and engineering needs globally with both integrity and professionalism.

For more information, please see our website at: [www.cleanenergyassociates.com](http://www.cleanenergyassociates.com)

---

#### Responsibilities

The Energy Storage Engineer will be responsible for all technical work support our clients to deliver Battery Energy Storage System (BESS) integrated with PV solar power plants. This includes energy storage utility feasibility studies, analysis of generation and storage energy profiles, simulation of use cases, life cycle requirements of BESS to be implemented, equipment and vendor selection analysis, engineering and technical aspects for the design of a BESS and related equipment including substation interface, relays and system protection, to ensure quality, reliability and cost-effective construction and operation.

The candidate will also be involved in SOW development, proposal preparation and reports delivery to clients; project developers, EPCs, independent Power Producers, lenders, investors, financial institutions and others. The candidate will support the business development team actively to seek out opportunities to grow clients into new service areas, bring in new business through lead generation, and contribute to other project teams as needed. This opportunity has a strong project management component and candidates will be managing several small and large projects simultaneously. The candidate should also be able to resolve conflicts, communicate effectively with clients, be comfortable working in a small group environment, and willing to put in extra effort to coordinate activities across global time zones.



## **Responsibilities**

- Overall project management and technical support for energy storage opportunities
- Perform energy storage technical Due Diligence and independent engineering reviews, including but not limited to technology assessment of batteries, power converters, Battery Management System, SCADA, etc.
- Responsible for BESS specifications reviews, system designs, testing/commissioning procedures and QA/QC documentation.
- Develop and manage energy storage project execution in coordination with the rest of the team managing scope, deadlines, deliverables, communications with the client and budget
- Development of technical specifications, proposals, and scopes of work for energy storage related services
- Write and review technical reports for energy storage hardware/software, system design and performance
- Consistently communicate with external and internal clients in a professional manner
- Review 3<sup>rd</sup> party Independent Engineering reports
- Interfacing with clients to discuss results, recommendations and risk mitigation
- Produce single line diagrams, site general arrangements, single-line diagrams, loss diagrams, engineering system design, use case assessments and performance modeling (HOMER, StorageVET and others)

The candidate will report directly to Engineering Services Director.

---

## **Qualifications**

- Electrical Engineering degree required.
- At least 2 year of work experience in the energy storage industry performing use case modeling, degradation modeling and system optimization
- Well versed in power inverter electronics, battery storage theory and practice.
- Familiarity with storage energy modeling, analyzing performance metrics (round trip efficiency, degradation, depth of discharge...) and installation schemes (DC to DC, DC to AC coupled)
- Ability to review electrical storage engineering design, drawings, technical specifications including battery specifications
- Modeling experience with HOMER and/or StorageVET strongly preferred
- Quality, Health, Safety, and Environment (QHSE) mindset
- Safety training certificate (30hr) desirable
- Excellent verbal and written communication skills. Other languages are a plus
- Experience of developing proposals for work, including budgets and scopes of work
- Excellent organizational and time management skills



- Highly motivated, creative, self-starter, and good team player.
- Must have a strong desire for problem solving.
- Able to analyze problems and derive solutions independently.
- Ability to work in a fast-paced start-up environment
- Ability to wear personal protective equipment is required (including but not limited to; steel toed shoes, gloves, safety glasses, hearing protection, protective jacket or apron and arm guards). Occasional work outdoors in harsh conditions including but not limited to desert areas, long hours standing, climbing stairs and ladders

---

<b>Availability:</b>	Immediate
<b>Travel:</b>	Up to 30% (of the year), nationally and internationally
<b>Location:</b>	Remote, US based
<b>Compensation:</b>	CEA offers competitive salaries, bonus programs and benefits, as well as the opportunity for career progression and professional development.
<b>Contact:</b>	Please submit your resume and cover letter to <a href="mailto:hr@cea3.com">hr@cea3.com</a>

---