



Syncarpha Capital

About the Company

Syncarpha Capital is a premier distributed generation solar and storage platform that develops, finances, owns, and operates projects across the U.S. Founded in 2009, the Company combines strong leadership and market expertise with vertically integrated capabilities to manage every stage of the project lifecycle. Strategically focused on states with strong or emerging community solar programs, Syncarpha is positioned to break down barriers to deliver a sustainable, clean energy future for the communities it serves.

Electrical Engineer

We are looking for an exceptional and entrepreneurial individual experienced in the full lifecycle of solar PV and energy storage system development, design, constructability, interconnection and operations for the position of Electrical Engineer. This person will report to the Senior Electrical Engineer and will play a key role in the development, design, interconnection and operations of commercial and utility scale solar PV and energy storage systems.

Responsibilities:

- Prioritize and drive the resolution of technical site issues and work with the Asset Management team to service the growing portfolio of PV & energy storage projects the company manages.
- Provide technical guidance and support to the O&M provider to help diagnose and troubleshoot complex electrical and control system issues on operational solar PV and energy storage assets, including inverters, transformers, SCADA, protection relays, and other balance-of-system components.
- Conduct detailed root cause analysis for equipment failures, performance shortfalls, and recurring site incidents, developing and driving the implementation of corrective action plans to quickly restore performance and prevent recurrence.
- Analyze SCADA and operational data to identify performance anomalies and minimize system downtime.
- Evaluate and manage technical risks associated with end-of-life component replacement and site repower plans.
- Conduct technical due diligence on utility transmission and distribution system infrastructure to assess technical and financial feasibility/risk to interconnecting projects.
- Work with the Development team to prepare single line diagrams and utility interconnection applications for commercial scale solar PV & energy storage projects in the US.
- Quickly address any deficiencies and propose solutions to comments/issues identified by the utility in the interconnection study phase.
- Review utility system impact studies and interconnection agreements for technical, financial and production related risks to interconnecting a project.
- Coordinate and manage solar PV and energy storage system design, constructability and interconnection.

- Analyze local zoning ordinances, town bylaws, and utility requirements to proactively identify and mitigate technical or permitting gaps as projects progress from development to construction and long-term operation.
- Monitor and evaluate regional program requirements, clean energy policies, and utility technical specifications; participate in relevant industry working groups to anticipate and navigate potential project design or operational limitations.
- Perform comprehensive technical due diligence and risk assessments on prospective project acquisitions to de-risk investments and ensure alignment with company standards.
- Prepare major electrical equipment specifications, review quotes and shop drawings, and manage the procurement of long lead electrical equipment.
- Manage 3rd party engineering firms and contractors during the project design phase to timely complete Issue for Construction drawing sets.
- Review design drawings and specifications to ensure designs are code compliant, meet interconnection requirements and meet Syncarpha's design standards. Take action to assist and resolve issues.
- Perform constructability reviews to ensure designs cost effectively maximize production.
- Support the project team during planning, design, construction, installation and commissioning of solar PV and energy storage projects.
- Conduct site visits as required during construction for workmanship, code compliance and best practices.
- Manage and update internal reporting tools summarizing key project design information (e.g. project size and yield).

Skills and Experience Requirements:

- BS in electrical engineering.
- 3-6 years of experience in developing and designing commercial and utility scale solar PV and energy storage systems.
- Deep knowledge of the National Electric Code as applicable to solar PV and energy storage systems.
- Work effectively in a fast-paced environment, and ask questions if there is something you do not entirely understand.
- Decisive and work well under pressure, particularly in environments with tight deadlines and multiple tasks occurring at the same time.
- Excellent communication skills and are able to write and communicate effectively among construction, technical and non-technical personnel, both internal and external to the company.
- Proficient in AutoCAD, PVSyst, SmartSheet, Microsoft Project, Word, Excel and other Microsoft programs.



Electrical Engineer

Bonus:

- Experience in commissioning, testing, troubleshooting or field services for electrical equipment
- Experience within an MEP firm and/or solar design within an EPC firm
- Expertise in utility distribution and/or transmission systems
- Energy storage system design and integration experience
- Electrical PE license in IL, MA, MD, MI, NJ and/or NY or the ability to apply for such licenses

What we provide:

- Competitive market salary
- Performance driven bonus pool
- Employee ownership plan
- Flexible paid-time-off policy
- Retirement savings plan matching program (401K)
- Medical, dental and vision benefits

Contact

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