

# Solar Proponent LLC – Project Development Engineer

## The Company: Solar Proponent LLC

Solar Proponent is bringing the scale of traditional energy investment to utility scale solar development. With the firm financial backing of the world's premier energy venture investor, and a clear plan for bringing billions of dollars of new investment to US solar assets, we are building an extraordinary team of creative problem solvers to help make this vision a reality.

Solar Proponent LLC is an EnCap Energy Transition Fund portfolio company. EnCap Investments is the leading provider of venture capital to independent energy companies ([www.encapinvestments.com](http://www.encapinvestments.com)). Active since 1988, EnCap has raised \$37B in capital commitments for deployment into 240 portfolio companies in the energy and power space.

## The Position: Project Development Engineer

Reporting to the Director of Development Engineering, the Project Development Engineer will be responsible for supporting the engineering and development team to site, design, and de-risk utility scale PV projects while carrying them through financing and start of construction.

## Responsibilities

- Lead PVSYST analysis for in-house energy calculations
- Lead buildable area and 5% project layout design to support effective project siting
- Lead ALTA survey review for identification of infrastructure crossings and engineering challenges; work closely with development and GIS groups to create exhibits to support crossing agreement negotiations
- Support the identification and quantification of engineering risks at prospective greenfield solar sites as well as projects in later stages of development
- Support design optimization of 300+ MW PV plants through inhouse analysis and management of third-party contractors; Buildable area, Layouts, DC/AC Ratios, Pitch, Losses, Capex, Energy, etc.
- Review environmental surveys and reports and incorporate their impacts into project design
- Perform cost-benefit analysis on comparative technologies to support procurement decisions
- Support the optimization of battery storage design and market use strategies

## Required Skills and Experience:

- 3+ years' experience designing utility scale solar projects
- Advanced proficiency with PVSYST assessments and creating conceptual site layouts
- Advanced proficiency in AutoCAD, MAP3D and Google Earth
- Basic knowledge of LOCE and IRR analysis
- Strong understanding of available module, inverter, and tracker technologies
- Familiarity with medium voltage and high voltage equipment
- Inquisitive attitude and capability to predict deliverables needed in advance
- Comfort with high levels of individual autonomy and personal responsibility
- Must be living in, or willing to relocate to, Austin, TX

If you are a great candidate for this role, please reach out to Raj Poosarla at [Jobs@solarproponent.com](mailto:Jobs@solarproponent.com)