

Grid HV Engineer

London, UK

Salary: Competitive + Benefits + Bonus

Solarcentury now has an exciting opportunity for an experienced Grid HV Engineer to join our UK team. You will be responsible for managing projects related to grid connections between users (solar PV, battery storage, windfarms) and the grid, and ensuring that projects are delivered efficiently and on time.

You will be part of a community of people acting as the focal point for technical, commercial, and regulatory issues surrounding grid compliance, and grid connection for transmission and distribution networks and maintain and develop existing client and utility relationships.

The role will manage the grid connection process from ENA application through to the design of cost-efficient high voltage and interconnection systems and project management from development throughout the execution phase until energization. The role will require strong collaboration with the Heads of Engineering for other territories working on joint projects as part of "Expert Groups" focused on establishing engineering best practice across the business.

Key activities and responsibilities:

- Liaises with project development team to lead and coordinate HV interconnection requirements and for estimation of project CAPEX, OPEX and time scheduling.
- Developing and building relationships with external clients, DNO's, TSO's and ICP's.
- Carrying out a cost/benefit analysis of and checking the compliance with Engineering Technical Specifications and with local or international standards.
- Responsible for the on-time approval and connection of Solar PV plants, from development through to construction stage, ensuring that project designs are in line with company standards, and subject to appropriate review/approval process.
- Manages and supervises third party engineers or external design services.
- Carries out the overall planning of interconnection design, internally and with external engineering resources, to ensure a proactive notification to development department in case of unexpected delays.
- Conducts site visits and performs project technical feasibility assessments.
- Reviews the pre-construction project package to ensure all contractual requirements are met before the start of construction.
- Provides engineering support and performs site inspections during the construction phase of projects.
- Carries out a technical analysis of the project during design and construction stage to identify any non-conformities and to propose suitable for project design and/or technical problem issues.
- Works on multiple projects across Europe and globally as required.
- Ensures all Health & Safety requirements are considered when preparing designs to significantly reduce the risks to safety and health during the construction stage, and during subsequent use and maintenance of the PV system.
- Produces HV interconnection cost estimates during development stage, identifying risks, exclusions, contingencies, and assumptions.

Skills, Experience and Qualifications:

- 5 years of experience in HV electrical design and construction.
- Degree in Industrial Engineering/Energy/Electrical Engineering or equivalent experience
- Use of design software including CAD.
- Previous experience in HV infrastructure during development stage.
- Experience with medium and high voltage grid connections, including transmission lines and substations.
- Sound knowledge of MV switchgear panels and MV systems.
- Experience with underground cable system design and routing.
- Knowledge of power system studies.
- Experience with protection and control schemes.
- Highly desirable: Experience with wind/solar plants connected to the transmission network.



- Highly desirable: Protection and control background.
- Desirable: Experience with software DigSILENT, PLS-CADD or CYMCAP.
- Willingness to travel.

To apply please submit your CV in English along with your salary expectations and notice period to Birgit.Berry@solarcentury.com