



## **HV Engineer**

Italy

Salary: Competitive + Benefits

Solarcentury is looking for a HV Engineer to join our team in Italy.

In this role you will be 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 act 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.

You will manage the grid connection process from Terna 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:**

- Liaise with project development team to lead and coordinate HV interconnection design requirements, CAPEX, OPEX estimation and project timeline scheduling.
- Prepares technical specifications for design of High Voltage Systems, specifically substation and interconnection line for Solar PV plants.
- Establishes the most appropriate technical solutions for project interconnection design and realization, carrying out a cost/benefit analysis of and checking the compliance with Engineering Technical Specifications and with local or international standards.
- Maintenance and development of electrical technical specifications and the overall direction of electrical engineering within SC.
- 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.
- 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.
- Understands and reviews the grid connection studies applicable to a PV plant connected into the grid: short circuit, load flow, capability study, harmonics study, etc.
- Possesses a sound understanding of the interaction of a PV plant with the HV interconnection system.
- Supervises any necessary Factory Acceptance.
- 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.
- Produces HV interconnection cost estimates during development stage, identifying risks, exclusions, contingencies and assumptions.

### **Skills, Experience and Qualifications**

- Master's degree in Electrical Engineering
- 5 years of experience in HV electrical design and construction
- Experience and sound understanding of the grid connection process in Italy, from application, STMG, STMD, Construction and commissioning
- Experience and sound understanding of the Italian national standards and Terna requirements applicable to the HV systems, including but not limited to CEI standards and Terna Grid Code and relative annexes
- Use of AutoCAD
- Previous experience in HV infrastructure during development stage
- Capable to prepare detailed HV equipment technical specifications



- Experience with medium and high voltage grid connections, including transmission lines and substations
- Hands-on experience in detailed engineering of substations
- Sound knowledge of MV switchgear panels and MV systems
- 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 DlgSILENT, PLS-CADD or CYMCPAP
- Fluency in English and Spanish
- Willingness to travel

**To apply for this position please submit your CV along with your salary expectations and notice period to [birgit.berry@solarcentury.com](mailto:birgit.berry@solarcentury.com)**