



Role

PV Engineers

Germany and Italy

Purpose of the role

Consultant Engineer in PV energy to join the Solar Department in Germany or Italy. Undertaking PV energy assessment, Due Diligence reviews and other specific commercial tasks required by our clients, you will contribute to the expansion of Solar department in Germany. The main Solar team is located in Barcelona.

In addition you will be able to undertake research and investigation on the accuracy of the estimations using real data from existing plants in order to improve our methodology and participate in other development tasks for the Solar team.

Responsibilities

- Undertake PV energy production assessments which include: site visits to define the horizon line and the near shadings, Global Horizontal Irradiation and Diffuse Irradiation data processing and quality checking, correlation analysis, simulation of the PV plant performance with standard software packages in the industry, estimation of other factor losses to get the Performance Ratio, statistical analysis of the uncertainty and produce a report with conclusions and recommendations to reduce the global uncertainty of the results.
- Undertake PV Due Diligence analysis which include: technology review, contract review, permit review, opinion on the costs, site visits during the construction and Provisional Acceptance, technical inspection at the end of the warranty period and operation monitoring on a monthly or quarterly period.
- Inspection of PV manufacturing facilities (Modules, inverters, trackers) in order to provide a Bankable report on the technology of new players in the market.
- Responsibility for preparing proposals, which will be checked and approved by Solar Manager.
- Produce detailed reports which review the feasibility of sites for development which will include generation of a draft design, assumption of a Performance Ratio for the draft design, use of irradiation data bases and feasibility studies.
- Analysis of production data of PV existing plants and irradiation data in order to improve our methodology and contribute to develop internal tools for PV plant simulation.
- Work in a global team with good communication skills in order to provide technical support for projects in Europe, America, Asia and Middle East.
- Managing multiple projects to ensure they are completed within timescale and budget.
- Any other duties as directed by line manager.

Essential skills and experience

On appointment:

- 2 years experience of PV energy assessments and/or Due Diligence analysis
- Strong analytical skills and an aptitude for analysing statistical data.
- Excellent knowledge of MS Office
- Familiarity with PV software packages for simulating PV plants
- Familiarity with PV supply chain and market technology



Role

- Excellent organisational and time management skills
- Fluency in English
- Ability to write and compose clear and accurate reports in English and in German/Italian; other languages an advantage.
- Ability to work in a pressurised consultancy environment – operating to tight timescales.
- High motivation to work for the expansion of Solar team.

Desirable:

- Exposure and familiarity with PV energy at the consultancy level for the German/Italian market

Key internal and external contacts

- Manager of Solar in Barcelona: reporting, decision-making and issue escalation.
- Director of Germany – for administrative and personnel issues; managing support while the Solar manager is on leave or unavailable
- Solar Staff in Barcelona
- Other Solar staff from France, Italy, Germany, Turkey, USA, Canada, Mexico, Brasil, India, Australia, Japan and China
- Clients and stakeholders for projects – geographically spread across the world. Regular contact through email and telephone exchanges will be required with occasional meetings and site visits.
- External organisations/professionals – review of methodologies and discussion of best practice approaches where appropriate.
- Conferences/Exhibitions- attendance to be updated in PV technology and presentation of papers
- Internal Induction course – presentation of solar to newcomers within our organisation. This course is centralised in Bristol.

Additional Information

Hours

- 37.5 hours per week, 7.5 hours per day
- The above time table is flexible and it is not applicable while travelling or working abroad

Travel

- Position will require some site work and travel to other offices in particular Spain, UK, France, Italy.

Other

- Full training will be provided.