

## Senior Consultant, Solar PV Technical Advisory - (based in Cape Town)

Sector: All

Location: South Africa

Posted: 06/09/2021

Reference: MJ1720

### Description

Based in Cape Town, occasional travel is expected.

#### Qualifications

- Hold a minimum of a Bachelor degree in Engineering or other relevant technical discipline (Masters preferred);
- Experience in the development, construction and operations and maintenance of Solar PV projects;
- Hold Chartered status or be working towards it.

#### Job

#### Overview:

As a key member of our clients growing Power Renewables team, the Senior Consultant will be responsible for delivering excellent Solar PV services, including driving new business to grow the team and its revenue and leading delivery of ensuing work.

You will initially be expected to focus on building on the considerable track record by working with key teams across the relevant business units to develop and enhance the Solar PV technical advisory capability. The successful candidate will widen the existing client base, developing scope of work and proposals and will have responsibility for delivering considerable growth in this field. As well as providing technical input into multiple projects and managing or directing projects as appropriate, the Senior Consultant will provide training, mentoring and support to the team, and liaise with other key managers within the organisation (Team Leads, Heads of, Directors) to ensure an efficient and smooth team operation.

#### Responsibilities:

- Represent the company as a leading consultancy in Solar PV to the industry;
- Work with Energy, Marine, and other relevant teams to ensure clients are offered a highly integrated service, and to ensure that these business units work to relevant requirements;
- Driving revenue growth and achieving revenue targets;
- Lead and drive high quality bids, securing new work and expanding the client base with your extensive network;
- Managing delivery on time and on budget to scope;
- Act as Project Director or Project Manager to deliver a variety of Solar PV

projects including feasibility analyses, analysis, due diligence, design, procurement, construction support, and operational services;

- Develop and offer secondees/subcontractors to clients;
- Network at all levels with relevant organisations and external bodies, representing at industry events;
- Build an effective team as necessary and facilitate achievement of potential.

Knowledge - Essential:

- Sector history, projects, players and their roles and lessons learned.
- Contacts within utility-and-rooftop-scale Solar PV developers, contractors and other potential clients;
- Typical contract structures, interfaces and best practice, including Employers' Requirements, contract content and relevant detail and schedules;
- Experience in industry-wide OEM track-records, not limited to modules, inverters, transformers, tracking and mounting systems;
- Strong understanding of (sufficient to lead projects in some fields, and to understand clients main requirements in others):
  - i. Solar PV resource assessment, as well as testing and performance verification and measurements best practice;
  - ii. Capable in Autocad, PV Sol and/or PVSyst;
  - iii. Preparation of SHE files;
  - iv. Project commissioning experience;
  - v. Ability to review and approve layout and configuration designs as provided by others;
  - vi. Ability to compile, review and approve single-line diagrams;
  - vii. Ability to conduct and assess calculations in respect of the Balance of System requirements as relating to AC cabling, DC cabling, earth cabling, inverter selection, transformer selection, isolators, circuit-breakers, electrical protection requirements and implementation, earthing and bonding and lightning protection.
- New technology developments
- Main related standards and developments;
- Appropriate procurement and evaluation methods;
- Current market parameters such as LCoE and typical technical inputs to a Solar PV financial model;
- General planning application processes and requirements;
- Basic knowledge of each: onshore wind, solar PV, energy storage;
- Excellent commercial skills for a client-facing role;
- Stakeholder management;
- Project management and interpersonal skill and capability to lead a project team;
- Excellent reporting writing and presentations;
- Strong numerical and analytical skills and attention to detail;
- Comfortable delivering bespoke scopes of work for international clients;
- Fluency in English in client-facing and business-development capacity;
- Strong IT, including Microsoft Excel, Word, Outlook, PowerPoint.

Advantageous:

- Advanced knowledge of onshore wind, solar PV, energy storage.
- Design process and principles
- Planning application processes and requirements
- Experience as Owner's Engineer on multiple projects;
- Grid and HV specification and design;
- Experience working for IFIs;
- Experience of project development and planning on various successful projects;
- Experience within a Solar PV developer.

Application:

Please send your Resume & Dedicated Motivational letter QUOTING THE REFERENCE NUMBER: MJ1720 to [macey.johnson@shawenergyltd.com](mailto:macey.johnson@shawenergyltd.com)