

Head of Power

Sector: All

Location: South Africa

Posted: 05/10/2021

Reference: MJ1728

Description

Business Unit: Energy Transition Solutions, Energy & Mobility Reports
To: Head of Power – Global
Location: The role is primarily based in Cape Town, however occasional travel is anticipated.

Job Overview:
As a key member of our clients growing Power (and Renewables) team, the Head of Power - South Africa (HoPSA) will be responsible for leading the South Africa based team, it's delivery of work, and driving new business to grow the team, capabilities and revenue.

Power - India currently reports through Power - South Africa and there are no geographical bounds to the operational area of Power - South Africa. The role is truly international in nature; working alone, or in conjunction with the wider international Power Team and other groups and BD as required, though clearly Africa will be an area of particular interest and focus.

As the HoPSA you will be expected to focus on winning and delivery of projects offering a suite of power-related services including, but not limited to, independent engineering, owner's engineering, performance, energy storage, grid, and connection services for domestic and international clients drawn from lenders, developers, owners, investors and other stakeholders. You will augment the existing client base, developing scope of work and proposals and taking responsibility for the pipeline. You will be responsible for the local cost centre including all profit and loss aspects of all HoPSA activities with the Power division. You will work closely with other geographical and technical areas within the international group to support the global aspirations of the business.

As well as providing technical input into multiple projects and managing or directing projects as appropriate, as the HoPSA you will provide training, mentoring and support to the team, and liaise with other key roles (Team Leads, Heads of, Directors) to ensure an efficient and smooth team operation.

Your

Responsibilities:

- Represent the group as a leading consultancy in Power (and Renewables) to the industry from the position of HoPSA;
- Responsible for HoSPA cost centre P&L and deliverables;
- Work alongside colleagues, driving and securing new work, leading on high quality bids and expanding the current client base with your extensive network;
- Act as Project Director or Project Manager to deliver a variety of projects including feasibility analyses, energy modelling, due diligence, procurement, construction support, grid connection and operational services;
- Integrate seamlessly with other relevant teams to ensure clients are offered an integrated service;
- Network at all levels within the group, organisations and external bodies, representing the business at industry conferences, seminars, events, etc.
- Manage an effective team to facilitate achievement of its full potential;
- Collaborate with other business functions to achieve shared business objectives.

Qualifications:

- Hold a minimum of a Bachelor or Master's degree in Electrical Engineering, Power Systems or other relevant technical discipline
- Hold Chartered Engineer status, or be working towards it;
- Membership of relevant professional organisation preferable.

Knowledge:

Essential:

- Knowledge and experience of providing Power/Renewables consultancy services to owners, lenders, developers, operators or other stakeholders
- Managerial experience in coordinating people in a project environment
- P&L responsibility
- Commercial/contractual experience in respect of Power/Renewables projects
- Some knowledge of planning application processes and requirements;
- Basic knowledge of each of: onshore wind, offshore wind, solar PV;
- Comprehensive knowledge of at least one of: onshore wind, solar PV.

Advantageous:

- Advanced knowledge of each of: Onshore wind, offshore wind, solar PV.
- Advanced understanding of international transmission and distribution grids (LV to 400 kV), grid code requirements, industry-accepted practices and grid connection processes
- Knowledge of engineering approaches to resolving grid integration issues
- Advanced knowledge of planning application processes and requirements

Experience:

Essential:

- A minimum of 10 years of experience in a relevant related discipline

- (may include post-graduate studies if applicable);
- Extensive experience in a power and renewables and engineering;
 - Track record of successful management of project teams and projects in a relevant field, such as engineering consultancy or EPC;
 - Consulting engineering experience;
 - Strong experience, both technical and commercial, of how energy assets are developed, constructed, operated and financed
 - Strong level of experience reviewing EPC or multi-contract, O&M, grid connection, etc. contracts, including review and drafting of technical specifications and contract negotiations;
 - Review of civil, electrical and structural designs, studies, permitting grid, H&S documentation either directly or with support of other specialists;
 - Energy site presence (e.g. PAC/FAC witnessing);
 - Competitive proposal preparation for energy BESS projects;
 - Energy system tendering, including preparation of tender pack, bidder clarifications and bid evaluation;
 - Energy project development.

Advantageous:

- Static and dynamic power system studies;
- Design and specification of HV substation equipment;
- Grid network engineering for renewables projects and micro-grids;
- Grid network/infrastructure planning;
- Energy system design (electrical, layout etc.);
- Experience working for IFIs;
- Experience of project development on a number of successful projects;
- Responsibility for planning applications for energy projects;
- CAD design.

Skills:

Essential:

- Proven ability to lead a flexible team through strong interpersonal skills;
- Project management expertise and capability to lead a project team;
- Excellent reporting writing and presentation skills with strong attention to detail;
- Strong numerical skills for power data analysis;
- Excellent analytical skills and attention to detail;
- Excellent commercial skills for a client-facing role;
- Comfortable delivering bespoke scopes of work for international clients;
- Ability to effectively work in a multicultural environment with project teams based across different offices;
- Fluency in English in client-facing and business-development capacity;
- Advanced IT skills, including software Microsoft Excel, Microsoft Word, Microsoft Outlook, Microsoft PowerPoint, Microsoft Project.

Advantageous:

- Proficient with modern simulation software and electrical circuit

- modelling tools
e.g. PSS/E, DigSILENT Powerfactory, ETAP, ERACS etc.;
- Experience with software script writing, e.g. Python, would be an advantage;
 - Experience of EMT simulations using PSCAD or similar, including insulation co-ordination studies;
 - Experience of RMS dynamic modelling of generator controllers, statcoms, WTGs and HVDC systems;
 - Advanced software skills including PVSyst, WindPro, GIS packages, AutoCAD (or equivalent), HOMER, etc.

Please send your Resume & Dedicated Motivational letter QUOTING THE REFERENCE NUMBER MJ1728 to: macey.johnson@shawenergyltd.com