



Senior Power Systems Consultant (PE-SPSC-01 Bristol)

For critical industries and environments world-wide, **Edif ERA** provides engineering and consultancy services to reduce risk, optimise performance and enhance capability, giving our customers in defence and security, energy, industry, and transport sectors the confidence to build successful operations. We have a depth of expertise which has developed from our long and rich history that goes beyond standard engineering consultancies. We are proud to put our people and clients at the heart of everything we do. Our success is based on a perfect blend of talented, exceptional employees with different backgrounds and experiences.

The Role Edif ERA is looking to recruit a Senior Power Systems Consultant to join its growing Power Engineering team to lead and deliver projects for clients in the power engineering sector. Additionally, the role will require providing support for the continued development of the power systems team whilst maintaining target utilisation. As a Senior Power Systems Consultant, good theoretical understanding of, and practical experience in, power generation, transmission and distribution is a pre-requisite.

Key Responsibilities

- Highly proficient in the use of at least one industry standard power systems analysis software package (e.g. ERACS, PSSE, IPSA+, etc.)
- Versed in the delivery of power systems studies; these typically include the following topics: load flow, fault level, protection design and coordination, harmonic analysis, transient stability and motor starting
- Able to manage the collection of relevant data, and capable of building and analysing power systems models
- Can develop and adapt new and existing analysis techniques in response to client demands or changing regulatory standards
- Comfortable in authoring technical reports of high technical and presentational quality, and discussing and presenting these to clients where appropriate

Competencies

- Uses highly developed communications skills to interact with colleagues and clients
- Uses highly developed report writing skills, paying attention to detail in order to produce a written presentation of high quality and setting standards for others to follow
- Demonstrates a highly effective and collaborative approach, sharing knowledge, learning and information to enhance the overall contribution of the team
- Prioritises, works smart and demonstrates a high level of accountability
- Highly professional in approach and strives to achieve openness and honesty in communication with clients and colleagues
- Continually develops skills, knowledge and expertise
- Receptive to client needs, with the ability to build an excellent rapport and represent the company in a professional manner
- Develops an understanding of Edif ERA business processes in order to prepare commercial and technical proposals
- Shows a strong understanding of the economics of the business and an understanding of processes and commercial realities
- Actively supports business development activities; building relationships with clients and helping to generate new business
- Interacts with clients and colleagues to achieve project objectives using appropriate technical judgment
- Ability to manage multiple projects and conflicting deadlines as well as working autonomously and/or as part of a project team
- Ability to discuss and define client requirements; reflecting a clear understanding in technical reports and proposals
- Supports the continued development of more junior team personnel by providing technical guidance

Accountabilities

- Supports the continued development of more junior team personnel by providing technical guidance
- Makes decisions that support the goals of the company
- Supports the operations manager in fulfilment of his/her role and objectives
- Ensures a high level of personal utilisation
- Actively promotes the work of the team and secures project work
- Demonstrates a clear understanding of commercial terms and seeks to develop knowledge of these

Qualifications & Experience

- A degree in electrical engineering or other technical degree with relevant experience from a recognised and relevant university
- A higher degree or recognised power systems qualification would be an advantage
- Registration with a recognised engineering institution is preferred
- 6-8 years' post graduate work experience in a power systems engineering environment
- Familiarity with embedded generation control and protection schemes

Requirements

- Driving Licence
- Travel to client sites, working in a wide range of installations including banks, data centers, electrical distribution sub-stations, power stations and refineries
- Reasonable level of physical fitness to fulfil the site elements of the role