

Principal Engineer at GE Healthcare

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Company: JobWebKenya

Location: Kenya

Category: architecture-and-engineering

Job Description

(adsbygoogle = window.adsbygoogle || []).push({}); GE Healthcare provides transformational medical technologies and services that are shaping a new age of patient care. Our broad expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, drug discovery, biopharmaceutical manufacturing technologies, performance improvement and performance solutions services help our customers to deliver better care to more people around the world at a lower cost. In addition, we partner with healthcare leaders, striving to leverage the global policy change necessary to implement a successful shift to sustainable healthcare systems. Our “healthymagination” vision for the future invites the world to join us on our journey as we continuously develop innovations focused on reducing costs, increasing access and improving quality around the world. Headquartered in Chicago, IL, GE Healthcare is a unit of General Electric Company (NYSE: GE). Worldwide, GE Healthcare employees are committed to serving healthcare professionals and their patients in more than countries.

Essential Functions/Responsibilities:

This position is for a Principal Consultant – specialized in Power System Analysis and Planning with emphasis on Renewables.

The desired Consultant will be involved in:

Technical advisory services for projects under development, construction and operation which may include but not limited to technical due diligences, electrical network modelling and study, assessment of electrical system operation performances and project management.

Technical analysis and performance assessment of Renewable Energies

Identify and execute high quality power energy solutions

Review customer specifications and support customers in selection of grid connections and storage solution for the application.

Support GE business initiatives related to the systems equipment and services of the business, and provide advisory services to our industry

Perform power system analysis including: modeling, simulation, and evaluation of design alternatives

Lead the development/refinement of tools and techniques for power system simulation.

Identify and cultivate new customers and business opportunities. Develop projects with customers; manage contracts to ensure technical, schedule and cost objectives are met; actively participate in identifying and cultivating new customers and business opportunities; lead preparation of proposals; and make customer presentations

Actively participate in strategic planning and development of GE product/service offerings and support New Product/Technology Introductions concurrent with GE business needs.

Prepare and deliver technical reports, effectively communicate results to both internal and external customers by preparing written detailed and summary reports and making presentations describing analyses performed, solutions developed, and customer value propositions

Provide mentoring and help develop/train less experienced staff in a working environment where teamwork, quality, customer service and innovation are highly valued.

Actively participate in Industry forums to promote GE solutions and technology

Requirements

Qualifications:

Bachelor's degree from an accredited university or college in electrical, mechanical, or electric power engineering.

At least 10 years of professional experience in engineering, electric system simulation and analysis, project management or a related function

Proficiency in key software analytical tools, e.g. PSS/E, PowerFactory, EMTP/ATP, PSCAD, PSLF, PVsyst, MATLAB, Python

Must be able to run these tools focused on interconnecting inverter-based technology to the grid.

Ability and willingness to travel a minimum of 20% of the time, as required.

Languages: must have excellent written and verbal communications skills, including ability to write clear and detailed technical reports, presentations and emails in English. Knowledge of other languages is preferred.

Desired:

MS or PhD in electrical, mechanical or electric power engineering

Strong analytical and problem-solving skills

Solid understanding of conventional power systems and equipment operation: generation, transmission, distribution and industrial

Solid knowledge of Wind or Solar PV projects, equipment and sensors including modules, inverters, trackers, BoP, solar stations and other components of the plant.

Experience may also include a working knowledge of Renewables related regulations, codes and standards (IEC and other relevant certifications in the Renewables industry)

Experience in power system operation and analysis: steady state load flow studies, short circuit analysis, transient & dynamic stability analysis, protection coordination studies, earthing design and electromagnetic transient analysis.

Strong interpersonal and leadership skills

Demonstrated capability to complete projects on-time and on-budget as either individual contributor or project manager

Proficiency with office productivity software e.g. MS Office, Visio, MS Project.

Ability to motivate and influence individuals and teams

Strong written and oral communication skills suitable for making presentations to internal and

external business customers, and for supporting GE executive external communications, an additional Language (French, Arabic, Spanish, Portuguese...) is preferred.

Industry involvement such as IEEE / CIGRE, ASME, AWEA, PE with published papers in one or more technical societies

Pending or awarded patents

Six Sigma training is preferred (GE only)

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