Grid Integration Head

Requirements:

- Bachelor of Science in Electrical Engineering from an accredited engineering school with knowledge of medium and high voltage electrical power systems.
- Minimum 10 years' experience in electrical systems.
- Strong background in power systems, grid integration on different voltage levels as well as analytical and modeling skills required. Ideally experience with power system modeling software like Power Factory or PSS-E.
- Knowledge of electrical DC systems and their protection.
- Knowledge of medium and high voltages substation practices, testing, construction and maintenance techniques, digital communications techniques and protocols.
- Knowledge of protective relay and relay communication schemes.
- Fluent in English and Arabic, other languages is a plus

Skills:

- Ability to prioritize work and be a team member on multiple projects.
- Ability to work in a Project Management team environment.
- Ability to familiarize yourself with new, international projects quickly
- Show a high level of initiative, commitment and reliability
- Ability to work in independently
- Very good knowledge of common MS Office.

The Grid Integration Engineer Function

- Engineering, design and coordination of medium and high-voltage grid connection for solar power plants
- Direct involvement and responsibility in international projects from conception stage to operation
- Direct contact and coordination with project stakeholders
- Understand the requirements to integrate a PV utility-scale power plant into the power grid including the implications on day-to-day grid operations as well on resource planning; identify and develop tools for managing and reducing those costs
- Provide technical solutions to address specific transmission and distribution grid requirements for various markets
- Perform technical due diligence to determine integration capabilities of the various electrical grids.
- Provide technical advice on transmission and distribution interconnection issues for various markets.
- Determine the most cost effective, competitive options for expanding the integration capabilities of the proposed projects.
- Research activities of other utilities, power pools and analyze how their actions affect interconnection process.
- Assess transmission reliability issues, and developed short and long-term action plans to mitigate potential interconnection shortfalls.
- Support the development transmission planning policies and procedures for solar PV generation.
- Leading a team of engineers and creating an appropriate workplace environment based on teamwork.