

Advanced Power Systems and Grid Connections Manager

Location: Melbourne, Australia

About Fluence

Fluence, a Siemens and AES company, is the leading global energy storage technology solutions and services company that combines the agility of a fast-growing technology company with the expertise, vision, and financial backing of two industry powerhouses. Building on the pioneering work of AES Energy Storage and Siemens energy storage, Fluence's goal is to create a more sustainable future by transforming the way we power our world. The company offers proven energy storage technology solutions designed to address the diverse needs and challenges of customers in a rapidly transforming energy landscape, providing design, delivery and integration in over 160 countries. Fluence works closely with customers throughout their journey and provides advisory, financing, and project lifecycle services.

Responsibilities/Essential Functions:

- Manage grid modelling studies performed by third parties for BESS system grid connections, including model troubleshooting and technical support.
- Undertake preliminary modelling and assessments (such as MATs)
- Management and provision of R1 and R2 documents and technical information (such as performance curves, datasheets, RUGs etc.) and provision of project-specific documents when required.
- Collaboration with design teams for preparation of key design items affecting grid connections, including voltage control strategy, plant performance curves etc,
- Review and inform BESS and BoP designs for grid connected BESS assets to ensure GPS and Registration compliance.
- Providing input and assistance to the Global Product Management Group.
- Design and negotiation of R2 Testing regimes for each project.
- Collaboration with commissioning teams for timely performance of R2 Testing.
- Manage stakeholders (internal, customer, consultant, regulatory etc.) to ensure grid connections are achieved end-to-end in a timely manner, including attending meetings and providing progress reports.
- Assist technical teams in maintaining and updating proprietary PPC and OEM dynamic models.

- Support assessment of BESS solutions to comply with NER generator performance standards for grid connections.

Secondary Responsibilities

- Conduct feasibility and locational studies utilizing dynamic and grid models to identify and evaluate opportunities.
- Assist technical teams with qualification and validation of new inverter makes/models when required, including assessment of dynamic models to ensure performance with respect to GPS requirements.
- Support modelling requirements and activities in the Asia-Pacific region.
- Collaborate with technical teams to develop new PPC solutions.

Qualifications

- Registered or Certified Professional Engineer (RPEng or CPEng)
- Engineering degree in Electrical or Power Systems

Competencies

- Ability to manage consultants and designers in sales, design, and construction/commissioning phases across multiple projects - tier one companies valued.
- Experience in review of grid connection compliance design.
- NEM grid connection experience, especially BESS GPS and Registration experience.
- Generator and power systems modelling – experience with modelling BESS assets.
- Experience with PSS/E, PSCAD, PowerFactory software
- Experience with developing, maintaining, troubleshooting PPC and OEM dynamic models.
- Substation electrical design well regarded
- Experience in negotiation with major stakeholders, such as clients, consultants, contractors and authorities
- Experience in high pressure environment

Qualified candidates are requested to submit a resume and cover letter at careers@fluenceenergy.com

Fluence **IS AN EQUAL OPPORTUNITY EMPLOYER** and fully subscribes to the principles of Equal Employment Opportunity, to ensure that all applicants and employees are considered for hire, promotion, and job status without regard to race, color, religion, sex, national origin, age, disability, sexual orientation, marital or familial status.