



Prequalified Ready Employees for Power
Preparing Tomorrow's Energy Professionals

Prequalified Ready Employees for Power Intl
www.prepintl.com

5113 Piper Station Drive, Suite 206
Charlotte, NC 28277-6690
Office 704.752.6414
Fax 704.752.4224

A Division of Sadinsky & Partners Intl, LLC

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PREP Intl Position Profile

PSC NORTH AMERICAN PRINCIPAL ENGINEER

PSC's planning and system studies group continues to grow in North America with an increasing client list and expanding pipeline of work. This is an opportunity to help consolidate their NA business success and support growth as they build a reputation for high quality service delivery.

They are seeking a Principal Transmission Studies/Planning Engineer with 20+ years of relevant industry experience to lead their Westborough, MA, USA based system studies team.

The role is 80% technical consulting and 20% team leadership. The candidate's principal expertise must be in classical power system analysis and transmission studies that model the behavior of electricity transmission networks and their various components under steady state and perturbed conditions.

In addition to performing system studies, the Team Leader will:

- ⊖ Develop methodologies, resource plans, and time estimates
- ⊖ Prepare study proposals
- ⊖ Manage deliverables and hours for team projects and studies
- ⊖ Review and sign-off studies
- ⊖ Develop and deliver presentations to clients
- ⊖ Prepare and review detailed technical reports
- ⊖ Mentor, coach and develop junior engineers
- ⊖ Coordinate work flows with PSC colleagues around the world
- ⊖ Manage client expectations through regular communications and responsiveness
- ⊖ Assist with resource planning and management
- ⊖ Support the Business Unit Manager in business development activities by presenting PSC capabilities to prospective clients.

JOB DESCRIPTION - The PRINCIPAL Engineer will conduct a variety of assignments and lead a group of System Studies Engineers who will be handling several types of projects including leading and coordinating:

- ⊖ Classical power system analysis & modeling including: load flow, transient stability, short circuit analysis and small signal assessments.
- ⊖ Power generation and transmission studies such as: generator connections, voltage stability, arc-flash energy studies, insulation coordination, feasibility studies, power station and control system design, and network planning.
- ⊖ Operations planning including: short term assessments, switching studies and incident investigations.



- ⊖ Steady state and transient development, testing and field validation of the performance of generator control models.
- ⊖ Preparation of long-term, multi-scenario network development plans.
- ⊖ Coordination of on-site testing of control systems at power stations and preparation of detailed technical reports by staff.
- ⊖ Presentation development and delivery.
- ⊖ Global interaction with PSC colleagues to coordinate and execute studies.
- ⊖ Manage, meet and exceed client expectations through regular communications and responsiveness.

QUALIFICATIONS

- ⊖ Recent experience leading and performing complex studies using models of the PJM, ISO New England, New York ISO and SPP transmission networks
- ⊖ Experience leading small teams and interacting with stakeholders
- ⊖ Excellent written and verbal communication skills
- ⊖ Highly proficient, advanced user of Siemens-PTI's PSS/E network simulation software with at least 10 years of experience – Strong Python scripting skills
- ⊖ Experience in developing dynamic user models for generator controls, HVDC stations, lines and controls as well as network monitoring and protection schemes
- ⊖ Skills in other commonly used network simulation software (e.g. PSLF, ASPEN, DSATools, Powerworld, EMTDC/PSCAD, EMTP RV, and DigSILENT PowerFactory)
- ⊖ Ability to work to deadlines and exceed client expectations

EDUCATION & CREDENTIALS

- ⊖ Undergraduate degree in Electrical Engineering is required with a preference for a specialization in power systems
- ⊖ A graduate degree in power systems, or equivalent expertise developed through extensive experience in power system modeling is preferred
- ⊖ Registered professional engineer in a US state or eligible to do so
- ⊖ Legally authorized to work in the US with no restrictions on travel to Canada.

PSC is interested in candidates with well- rounded backgrounds within different areas of electrical networks. Experience in any of the following areas would be an advantage:

- ⊖ Field and/or control room operations
- ⊖ Wholesale electricity markets
- ⊖ Line and/or substation design
- ⊖ Distribution planning
- ⊖ Protection design and analysis
- ⊖ Project development and permitting.

Candidate must be willing to relocate to Westborough, MA, USA, and be prepared to travel up to 20-30% of the time in North America.



Leadership – This is a role for a team builder with passion for the right question at the right time.

Someone who loves building teams and creating AHA moments. This is a fast growing organization with a truly collaborative and rich culture committed to winning great engagements and delighting the customer. Great consultants help the client articulate their needs and then assemble the resources to meet the scope of work on time and on budget.

This Principal Engineer is about helping clients and ISO's, RTO's, working groups and committees bat around various configurations of Energy Technology DER, Renewables, Storage and architecting the Grid of the future developing talent and building the business and the future along the way!

This role is for the expert who now wants to really make a difference and assemble the team and agenda of work that will plan for the Grid of Tomorrow with the players that can make it happen.

Experts of all ages who are young at heart and nimble of mind and thought - who love building teams and the future are encouraged to explore further.

Compensation – \$130 – 170 K depending on Experience.

- ⊖ Competitive salary package with 401k and profit share.
- ⊖ Become part of a team that values people and career development.
- ⊖ Autonomy to craft the job to fit your expertise.

About PREP Intl:

Since 2002, PREP Intl leadership has worked with over 1,100 energy organizations across North America introducing Multi-Modal Training TM.

Since 2009, PREP Intl has helped energy organizations prequalify, find, engage and hire the best talent focusing on effective onboarding and talent management. PREP Intl and our clients are equal opportunity employers who encourage qualified women, veterans and the disabled to apply. Decisions made on processing and considering prospects for additional consideration for any opening are made on the basis of bona-fide occupational qualification, capabilities, education and related experience and not on the basis of race, age, religion, sex, sexual orientation, gender, veteran or disability status.

Qualified Veterans and women and minorities are encouraged to apply for consideration.

For a confidential discussion and review of your credentials, create an account and register online at www.prepintl.com