



About AMP Solar

AMP is a leading global clean energy independent power producer

We build, own and operate large portfolios of clean, sustainable solar power plants and offer dispatchable, high-value flexible energy services to the grid and to our global customers.

AMP's deeply accomplished international team brings extensive experience in global power asset development, project and structured finance, commodity trading, risk management, and engineering. Since its inception in 2009, the Company has successfully developed, financed and constructed/contracted over 520MW of distributed generation and utility scale solar projects across its core markets of Canada, US, UK, Japan and India. The quality and scale of these projects have attracted top-tier institutional partners with over \$1.5 Billion in capital deployed to date.

We believe the future of power markets will increasingly be defined by clean, sustainable, distributed generation and storage, supported by robust and flexible capacity and ancillary services required to balance variable supply and demand. As a clean energy IPP with a leading global track record, AMP is rapidly building a dominant global clean energy IPP platform.

The Company's continued profound growth is supported by world-class local teams in the fastest growing, and most economically attractive power markets in the world. Its 2GW solar-focused investment portfolio is complemented by a rapidly expanding pipeline of flexible energy services to networks of commercial Microgrids and Virtual Power Plants, incorporating different forms of generation and storage within North America and other select international markets.

Position Title

Project Engineer-Storage and Grid Services

Location

Port Credit, ON

Reporting Relationships

- Reports directly to the Director, Design and Engineering
- Working closely with AMP's functional groups (e.g. Project Development, Regulatory, Operations, and Technology & Engineering).

Accountabilities and Key Functions

AMP Solar Group seeks a Project Engineer to design advanced solutions for distribution grid services and microgrids for islanding. As a Project Engineer, you will have the overall responsibility for the delivery of projects to utilities that involve turnkey hardware and software solutions based on our advanced distributed energy resource (DER) economic optimization platform. The right individual will have demonstrated experience in delivering on-time and on-budget sophisticated real-time solutions to distribution utilities and customers.

Key functions include:

- Perform existing electrical load and energy consumption analyses and utility rate structure analyses
- Understanding of battery energy storage technology, grid integration, and operation
- Conceptualize the control design and present to customers as part of customer design review
- Develop simulation models for complex energy storage system functions
- I/O list preparation related to energy storage systems and/or microgrid applications
- Leads technical system proposals utilizing the best system level approach to provide a solution to the customer. Support the Sales teams for pre project phase. Contribute to the technical proposals. Supports Battery Storage industry events and customer visits.
- Leads System Design for new Battery Storage Systems. Drives the design process and develops the detailed costing matrix for the Battery Storage Systems and all ancillary components.
- Manage technical interface with internal pre-project team.
- Review the technical and budgetary content of offer prepared by the pre-project team.
- Technical support of sales force on energy storage projects, including integration of Li-ion solutions with the power electronics/renewable energy package.
- Evaluate if the project is technically and economically viable and prepare technical and cost information for the opportunity review gate.
- Develops integration strategies with key partners and customers. Participates in the development of integration, software and hardware, driving fundamental changes as required
- Challenge and optimize technical solutions.
- Leverages Battery Storage Market and Industry Experience to market customers
- Supports the commissioning of the delivered systems
- Provides field support during the initial startup and early deployment phases of our systems. Uses the knowledge and "lessons learned" from this support to drive improvements into the new design and system development activities.
- Leverages knowledge gained through field support to validate and verify system performance. Develop case studies, keep data and records from commissioning and field support experience to improve our systems offerings.
- Contribute to a continuous improvement promotion within the Distributed Energy Services Business unit.
- Respect and promote safety and safety rules within the Distributed Energy Services Business Unit.
- Formalize and transmit technical knowledge to sales force and customers.
- Ensure the technical success of projects by following-up with the Program Manager with progress reviews.

Education

- Master's degree, electrical engineering preferred.

Experience

- Minimum 5 years of experience in power systems engineering, DER, utility distribution system, and energy markets.
- Eight to ten 10 years' experience required in these specific activities (Instrumentation Controls, PLC programming, advanced electrical troubleshooting and new equipment design) in an electrical power system environment
- Knowledge of PLC programming and troubleshooting
- Electrical Controls troubleshooting skills
- Experience with SCADA systems
- Demonstrate expert knowledge on connectivity of third party systems with SCADA/DCS which includes DNP 3.0, ModBus, IEC 61850, TCP/IP, Profinet and Profibus
- Ability to read, program and troubleshoot control system software and other PLC based machine codes to resolve complex problems and optimize performance
- Site commissioning, interconnection, permitting, and operational experience

Skills & Personal Characteristics

- Solid knowledge of the electric utility industry, preferably in the area of real-time monitoring and controls of distribution grids and microgrids
- Technical knowledge of energy storage, renewable and conventional power generation technologies, as well as customer-sited systems
- Ability to work closely in small teams and collaborate effectively
- Flexible, self-motivated, high-functioning team player

To Apply

Please send your cover letter and resume to Reem Bashatly at rbashatly@ampsolargroup.com

Applications will be assessed as received and the position filled once a suitable candidate has been identified.

We thank all applicants for their interest; however only candidates selected for interview will be contacted. AMP Solar Group is an Equal Opportunity Employer.