

## Systems Engineer

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### Who We Are:

Greenlight Innovation ([www.greenlightinnovation.com](http://www.greenlightinnovation.com)) is a key contributor to the development of a clean energy future. Our customers use our specialized equipment to develop and build the next generation of fuel cell and battery electric vehicles and energy storage systems. We have the largest install base of electrochemical cell testing equipment in the world.

Our work environment will provide opportunities for career growth and independence in a fast-paced industry, and our roots as a process-based, lean operation will provide experience in a structured, process driven environment.

Our facility can be reached by Skytrain and bike lanes, and is located near the Burnaby Lake trail system.

### Job Description and Responsibilities:

We are recruiting for a systems engineer, to develop and design our sophisticated test equipment. The core of the role is to design customized process systems which deliver conditioned gases or liquids to the fuel cells, electrolyzers, flow batteries or other technologies being developed. We work closely with our global customer base to ensure they have high performing test beds to develop and manufacture clean energy technologies of the future. Responsibilities include:

- Communicate with customers to develop product requirements and specifications
- Develop process systems that control gas and liquid flow, temperature, pressure, and humidity
- Thermodynamic calculations and process component design and selection
- Create and modify technical definition such as system P&ID drawings, control systems and safety protocol descriptions
- Communication of definition to internal manufacturing, software, testing, and customer service groups
- Develop bills of materials, design or supervise design of assembly models, manufacturing drawings, and assembly aids
- Communicate and negotiate with suppliers for off-the-shelf component selection and costing
- Ensure equipment/user safety and compliance with international safety standards
- Problem solving and troubleshooting in a cross-functional team environment
- Solicit feedback and conduct improvements relating to equipment performance, quality, and production efficiency
- Other duties as necessary

### Qualifications:

- Degree in Mechanical, Chemical, or related engineering discipline
- 5+ years of systems/process engineering experience
- P.Eng or P.Eng eligible
- Excellent verbal and written communication skills
- Proficiency with SolidWorks including modeling, sheet metal, assembly aids, and proficiency in dimensioning
- Experience working with suppliers and fabricators is an asset
- Hands-on capability for product development, testing, and troubleshooting
- Proven eye for aesthetic design
- Strong time management and prioritization skills

*Please send your resume to [careers@greenlightinnovation.com](mailto:careers@greenlightinnovation.com)*