

# Electrical Engineer – Controls

## The Company

Hydro Green Energy, LLC is a for profit renewable energy project developer and integrator that designs, builds, and operates kinetic hydro power projects that generate electricity exclusively from moving water (river currents, tidal currents, and ocean currents) without having to construct dams, impoundments, conduits, or other infrastructure projects.

Our headquarters are in Houston, TX. For more information, visit our website at [www.hgenenergy.com](http://www.hgenenergy.com)

## Responsibilities include (but not limited to):

- Develop system / electrical specifications, architecture, functional partitioning, hardware and software.
- Select hardware components and devices.
- Develop / implement software to optimize the performance of the wave energy conversion systems and protect it during normal and fault conditions.
- Prepare detailed documentation for products including but not limited to schematics, Bill of Materials, wiring diagrams, specifications, functional descriptions, software requirements specifications.
- Coordinate the work of designers, technicians, consultants, vendors, and suppliers during the performance of contracts for delivery of complete data acquisition and control system and supporting software.
- Prepare detailed design plans for integration of electrical and electronics systems and its software.
- Perform technical design reviews.
- Participate in high level customer interface, presentation, and proposal efforts.
- Prepare and periodically review project electrical engineering and design budgets and schedules.
- Ability to travel domestic and foreign less than 20% of the time

## Experience:

At least 7 – 10 years experience is required in the area of motion servo controls programming and data acquisition. Must have good analytical skills. Experience with control of mechanical, electrical, electro-mechanical and hydraulic systems is desired. Must have experience developing custom equipment in a product development environment. Must be able to coordinate the work of multidisciplinary team. Experience with AutoCAD and OrCAD a plus. Realtime programming experience with LABVIEW a plus.

**Skills:**

Strong Computer proficiency. Excellent oral and written communication skills. Must have good interpersonal and presentation skills.

**Education:**

B.S. Electrical Engineering Degree. Masters Degree in Electrical Engineering preferred.

**U.S. Citizenship required.**

**Salary Benefits**

Salary commensurate with experience. In addition to competitive pay, stock options and bonus programs. Hydro Green Energy, LLC offers comprehensive benefits including medical, dental, vision, 401k, paid vacation & holidays and opportunities in advancement.

Hydro Green Energy, LLC offers a drug free, smoke free workplace and is an Equal Opportunity Employer