

Algorithm Development Engineer – Job Description

About Delta-Q Technologies Corp.:

Delta-Q Technologies, founded in 1999 and based in Burnaby BC, is a leading provider of power conversion and power management products to the electric and hybrid drive vehicle industries. With an industry leading high frequency battery charger achieving strong commercial success, and two new products just hitting the market, our business and new opportunities are growing tremendously. Delta-Q's product suite improves overall vehicle performance at a lower system and lifetime operating cost. Our products are used by leading OEMs in the electric and hybrid drive vehicle industries including golf cars, floor machines, aerial work platforms, Neighbourhood Electric Vehicles, plug-in hybrids and utility vehicles.

Delta-Q adheres to a lean philosophy and is managed by an experienced team committed to the most current and effective business and product development practices. With our OEM customers, we have demonstrated our willingness and need to involve the customer in product design at its very inception. The result of this customer collaboration is a product designed to meet real-world customer needs and an improved ability for us to anticipate future market needs. By focusing on our core competencies and employing best of class subcontractors for other areas, Delta-Q provides the best overall product and service.

For more information about Delta-Q Technologies, please visit us at www.delta-q.com.

Position Summary:

You will develop charge algorithms for long-string lead-acid battery applications ensuring charger performance meet customer expectations and the battery manufacturer requirements. Additionally you will provide technical support to application engineering and product support staff and develop charge algorithms for other types of batteries as required.

Principal Responsibilities:

- Designing and validating charge algorithms.
- Analyzing test results and making adjustment to the algorithms accordingly.
- Improving battery charging test capabilities and methodologies.
- Managing the activities of battery test technician.
- Driving continuous improvement of Delta-Q's algorithm development process.
- Answering inquiries and helping resolve issues related to battery charging in the field.

Qualified Candidates should possess:

- A degree or diploma in one of the following fields: electrochemistry, software engineering, computer science, electrical engineering.
- Experience and interest in battery applications and charging methodologies particularly with regard to lead-acid batteries.
- Able to operate basic lab equipment such as oscilloscopes, DMMs, data acquisition units, electronic loads.

The following knowledge/skills are strong assets:

- 2+ years of embedded software development experience.
- Experience working with battery manufactures.
- Familiar with Labview.
- Familiar with Excel macros.
- Interests and experience with electrical vehicles.
- Knowledge of Li-ion charging would also be an asset.

A competitive salary, bonus, options and benefits package will be offered to the selected candidate.

Our Privacy Commitment to Candidates:

We respect your privacy and will never submit a resume to a third party without your permission. You can be assured that the information you give us will never be forwarded to any hiring company without your specific, direct permission in advance.

Response Information:

Please send resume as an attachment to careers@delta-q.com.

Thank-you,
Delta-Q Technologies Corp.