

Power Electronics Engineer – Job Description

About Delta-Q Technologies Corp.:

Delta-Q Technologies, founded in 1999 and based in Burnaby BC, is a provider of advanced power conversion and power management products to the Electric Drive vehicle industry. Delta-Q's products significantly improve the performance of today's electric drive vehicles used in transport, recreational, industrial and materials handling applications. As well, rapid growth in vehicle adoption in developing countries has forced automotive OEMs to seek 'cleaner and greener' transportation solutions to address pollution concerns in massive, highly populated urban centers. Delta-Q is working with vehicle OEMs around the world to address these issues, and is involved in both pure battery and hybrid vehicle power systems. Delta-Q's product suite improves overall vehicle performance at a lower system and lifetime operating cost and these products are being used by leading OEMs in the Electric Drive vehicle industry (golf car manufacturers, work vehicles, material handling, and recreational electric 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, need, and passion to involve the customer in product development at its very inception. The result of this customer collaboration is 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. The corporate culture is dynamic, fast-paced and high energy and the ability for employees to share duties and wear multiple hats at times is an expectation. For more information about Delta-Q Technologies, please visit us at www.delta-q.com.

Job Description:

This is a key role for the organization, where the individual will be involved in the electrical design of power electronics products for the specialty Electric Vehicle Industry. The individual needs to be technically strong and enthusiastic and ideally shares an interest in alternative transportation methods, electric vehicles and clean solution technologies.

PRINCIPLE RESPONSIBILITIES:

- Investigation and application of optimum topologies
- High Level Design approach including simulation
- Detailed circuit design, unit test plan, troubleshooting, and documentation.
- Component selection: evaluation of alternative components on a cost/performance basis.
- Research new components and technologies

QUALIFIED CANDIDATES SHOULD POSSESS:

- Degree in Electrical Engineering
- 7 years minimum of high frequency power conversion design experience with thorough knowledge of power topologies for PFC, DC-DC and motor control applications in the 1kW-4kW range.
- Proficient in magnetics design and simulation packages such as PSPICE, Mathcad and PSIM
- Experience in navigating off-shore production of high volume products successfully through often conflicting cost, performance and regulatory requirements
- Familiar with both North American and European regulatory approval processes.

A competitive salary, options and benefit 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. Not all applicants will receive a response. Only the top candidates will be notified.

Response Information:

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

Thank-you,

Delta-Q Technologies Corp.