

Component 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.

Summary:

Reporting to the Operations Manager, the Component Engineer will be responsible for the selection, approval or qualification, documentation and management of all purchased components and direct material utilized to produce Delta-Q chargers. This position is part-time, with the possibility of becoming full-time.

Responsibilities:

- Selects alternate sources of supply.
- Ensures APL has more than one source of supply.
- Flag obsolete parts.
- Reviews all requests for new components to assure that a current part can satisfy the requirements.
- Establishes and maintains a specification system for off-the-shelf parts.
- Assists in specifications for all new custom component parts.
- Coordinates failure analysis and corrective activities on component parts.
- Assists design engineers in the selection of parts that best fit their requirements.
- Value engineering (cost reduction).
- Participates in design reviews for the purpose of component selection and standardization.
- Perform reliability prediction (e.g., MTBF - Mean Time Before Failure) at the board/assembly level and request reliability information of components from manufacturers if required.
- Work with the manufacturing facility on E&O (Excess & Obsolete) component inventories.
- Perform Cost Analysis for components used and selected for new programs.
- Alert of obsolescence or change of cost effectiveness due to EOL (End Of Life) or PCN (Product Change Notification) notice. Determine what products have been affected and the costs associated with the alert.
- Define and implement metrics for analyzing cost reduction achievements.
- Approve or reject all new product designs based on cost, sourcing and end of life concerns.
- Reviews costed BOM's (Bills of Materials) from our Contract Manufacturer for cost savings.

Requirements:

- Minimum 3 years hardware design experience required
- Minimum 3 years component engineering experience preferred
- Strong understanding of electronic components and basic functionality
- Basic digital and analog hardware design skills
- Operations and material procurement experience a plus
- Excellent verbal and written communication skills
- Excellent organizational skills
- Ability to work in a team environment and meet project deadlines

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.