



D & V Electronics is a Manufacturer and Supplier of State-of-the-Art Electric Motor and Drive Test Systems to the OEM and Tier One manufacturers of Hybrid/Electric automobile vehicles worldwide. We are currently looking for an enthusiastic, competent, and motivated individual with the ability to learn quickly. We offer a Comprehensive Benefit Package, including contribution to an Employee 401K. If your qualification and experience meet our need, we invite you to apply for the following position and grow with us:

### **Application System Engineer – Emulator Test System (Auburn Hills, MI)**

#### **Purpose:**

This position will develop advanced applications for emulator-based power electronics equipment test products. In this role they will serve as an internal Subject Matter Expert (SME) on use of power emulators (Electric Motor and DC (Active Power) Emulators) for testing.

#### **Responsibilities:**

- Be the System Integration Lead for Hardware in the Loop interfacing
- Be the D&V Subject Matter Expert (SME) on testing of inverters and other power electronics and electro-mechanical components, particularly as used in electric vehicles. Additional expertise or experience in grid connected power electronics a plus.
- Develop test modules to enable customers to test their solutions more effectively – e.g., fault testing, functional safety related testing, performance testing.
- Support engineering in the development and acceptance of D&V engineered solutions to meet customer needs
- As SME, assist with problem resolution with field support, sales, customer, or technical support (25% Travel may be required)
- Supports the business unit's growth objectives through providing advanced technical information and assistance to sales and providing solutions to end customers.
- Provide inputs into technology and product roadmap development.

#### **Education and Experience:**

- Bachelor's degree in engineering from an accredited institution. Advanced degree with an emphasis on power electronics preferred.
- 5 years of National Instruments Labview and Veristand development experience required
- 5 years expertise in Matlab/Simulink, Real Time Simulation (e.g., OPAL-RT, dSpace) required
- Proficient with high power, power electronics equipment design and testing.
- Experience testing traction inverters, dc-dc converters, chargers, electric powertrains at automotive OEM or Tier I highly desired.
- Ability to interact successfully with customers and seek out solutions to problems. Prior experience a plus.
- Good written and verbal communication skills, "can-do" attitude, high personal accountability.
- Must be willing and able to travel
- Must have a valid passport and driver's License
- Must live in USA

D & V Electronics values their employees. We encourage life-long learning and foster employee personal growth. If you're someone who enjoys working in a creative and innovative work environment, and would like to join our team, please submit your resume and covering letter to: [careers@dvelectronics.com](mailto:careers@dvelectronics.com) or fax us at (905) 264 0502.

We thank all applicants for their interest in our organization, however; only those selected for an interview will be contacted.