



D & V Electronics is a Manufacturer and Supplier of state-of-the-art test solutions for the Automotive and Aerospace Electric Vehicle Markets. Our USA facility located in Auburn Hills, MI and Binghamton, NY, is currently looking for a Chief Engineer, Power Electronics with experience in design, analysis, test, and integration to augment our advanced power emulation technology. If your qualification and experience meet our need, we invite you to apply for the following position:

Chief Engineer, Power Electronics

Role:

To design analog and digital power electronic devices from concept to schematic and PCB through to manufacturing.

To work with chief technology officer to develop reliable leading-edge analog and digital electronic circuitry, identify and implement next generation products for advanced power emulators and support existing products.

Responsibilities:

- Develop power electronics product including power and analog circuitry, magnetics, and firmware from concept through to manufacture, meeting safety and reliability, cost, manufacturing, and performance requirements.
- Participation in development, testing, and approval of complex power electronic based systems.
- Prototype design and verification
- Plan and execute verification and validation activities.
- To develop new product using modular approach maximizing reusability and efficiency.
- Preparation of technical and regulatory documentation, including production documentation, BOM, manuals, test instructions etc.
- Use computer assisted engineering and design software and tools to perform engineering tasks.
- Participate in design reviews, project meetings and time/cost budgeting.
- Failure analysis and fault remediation
- Communicate with different parties – customer, vendor, internal engineering, and manufacturing; to ensure product meets customer specifications, and quality standards.
- Meeting project schedules, deadlines, and budgets.
- Order components, tools, and services as required for product and prototype development

Education and Experience:

- Bachelor's degree or equivalent in Electronics Engineering, Master's degree a plus
- 7+ years' experience in motor control, switching power supplies, DC/DC converters, or other power electronics
- Analog power circuits design, wide bandgap semiconductors, controls and control theory, motor drive synchronous frame expertise
- FPGA/VHDL software design, and Power HIL system design and CAN/Ethernet experience a plus
- Experience using design software i.e., Altium is an asset
- Requires a working knowledge of designing analog and digital devices from concept



- Possesses strong analytical, organizational, and problem-solving skills
- Goal-oriented, self-motivated, and able to work with minimal supervision
- Must be able to live and work in the 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

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