

D & V Electronics is a Manufacturer and Supplier of state of the art test solutions for the Automotive and Aerospace Electric Vehicle Markets. Our Binghamton, New York facility is currently looking for a Power Electronics Engineer 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:

Power Electronics Engineer

Reporting to:

Chief Technology Officer

Role:

This position will be working with our chief technologist to architect and design the circuits and systems to identify and implement the next generation products for advanced power emulation.

Responsibilities:

Power and analog circuit design, analysis and testing

- Debugging prototype and first article
- Failure analysis / fault remediation
- Hardware performance verification
- Magnetics design and evaluation

Power system control methods

- Control systems implementation
- System verification through simulation
- Write technical reports

Customer support and application assistance

- May support field service technicians with power systems issues/ solutions

Education and Experience:

- Bachelor degree in Electronics Engineering or equivalent
- 10+ 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
- Digital circuit design
- FPGA/VHDL software design, and Power HIL system design and CAN/Ethernet experience a plus
- Possesses strong analytical, organizational, and problem solving skills
- Real time control systems software design
- Power HIL system design
- Serial digital communications from CAN to Ethercat

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.