



Job Vacancy:

Power Electronics Design Engineer

Gateshead, UK

The Company:

Turbo Power Systems Limited is an established UK Company in Gateshead and Castle Donington, with an enviable history specialising in the design and manufacture of a wide range of electrical machines and power electronic products for multiple applications in the Energy, Industrial, Transportation and Defence markets. TPS offer a customisable and diversified product range that includes Power conversion equipment for transportation platforms, high speed motors for air and gas compression, hermetic motors on magnetic bearings for HVAC, generator systems for distributed generation, energy recovery and power delivery systems. TPS provides tailored solutions to meet the most challenging requirements.

The Role:

This pivotal role is to provide detailed design of power electronics products, including auxiliary power supplies, electrical motor drives and grid tied converters. You will have demonstrable experience in detailing and delivering power electronic product design through to manufacture in line with customer requirements and commercial objectives. You will also be required to work to a customer agreed schedule, working closely with project managers to define, control and monitor the technical work packages allocated to the delivery team. You will need to schedule and participate in design reviews and ensure product compliance with technical product requirements, relevant industry standards & safety requirements, risk mitigation control plans and cost targets.

Reporting to the Engineering Manager, this role provides an ideal opportunity for someone to apply their experience, knowledge and expertise in a relevant market sector from the design phase through to delivery. You will have detailed knowledge of power electronic systems design including analogue electronics, digital electronics, system simulation, component specification & selection, protection design, product packaging and EMC design. Knowledge of embedded systems, control engineering, microprocessor control, software development, thermal design and electromagnetic assemblies would prove advantageous, but not essential.

The successful candidate will likely be degree qualified or above in Electronic and/or Electrical Engineering and have practical design experience with power converters of greater than 10kW rating, and preferably in a relevant market sector.

Job Type: Permanent

Apply at: www.turbopowersystems.com/careers-tps/