



Power Electronics Design Engineer.

Based: Gateshead.

Salary: Upto £40k.

The Company:

Advance your career with Turbo Power Systems Limited, a green tech global company with local roots leading the change towards net-zero greenhouse gas emissions. With over 40 years' experience, a team of highly skilled engineers and a track record in creating world-class power electronics and high-speed machine' solutions, you will have limitless opportunities to challenge yourself and grow in your professional career. TPS provides power electronic systems rated from a few kW to multi-MW and bespoke high-speed motors and generators operating from 10,000rpm to 180,000rpm. We are specialists in the design of electrical machines with Active Magnetic Bearings which achieve maintenance free and highly efficient solutions for applications including HVAC, Air Separation, Aeration and Solar Concentration putting us at the cutting edge of low carbon technology development.

The Role:

A new business opportunity means TPS now wishes to appoint a Power Electronics Engineer for cutting edge Product Development. The successful candidate will support the design, development and testing of both hardware and software solutions with the support of Principal Project Engineer and the Project Manager.

The candidate will do this by: -

- Developing, analyzing and validating power electronic design solutions to meet project requirements using prototyping, simulation and validation testing.
- Generating functional, component, manufacturing, test and validation specifications and producing documentation in conjunction with these activities.
- Ensuring the design is robust, reliable, meets budgetary targets and is delivered on time.
- Supporting related activities such as CAD modelling and Printed Circuit Board development.
- Liaise with the production department to ensure smooth product introduction into manufacture.
- Supporting installation and commissioning of equipment at customer and end users premises.
- Preparing materials for use at design reviews.
- Adhering to the departmental and company quality processes (ISO9001).

The Candidate:

The successful candidate is most likely to be a graduate in electronics engineering and have demonstrable experience in the design and test of power electronic converters (AC:AC, DC:DC, DC:AC) and motor drives, as well as using simulations tools such as PLECS.

How to Apply:

Interested candidates should write enclosing a covering letter, including current remuneration and c.v. and send it to nhall@turbopowersystems.com or TPS, 1 Queens Park, Queensway North, TVTE, Gateshead. NE11 0QD.