



Power Electronics Design Engineer

Location: Rosyth, Scotland

Permanent

Salary: £32000 - £42000

Engineering Role

As a Power Electronics Engineer you will be joining an award-winning design team with a reputation for solving demanding power supply design challenges. Often these are first-of-a-kind systems or novel applications requiring bespoke designs. The role is an important addition to the overall team, and you will be expected to design the electronic hardware for all (or part) of varied power conversion devices.

We are currently involved in a number of power conversion projects, these include: high efficiency single and three-phase AC to DC converters; wave-energy power take-off devices; and fully digital microprocessor-controlled converters. Power range covers 500W to 25kW+.

The role supports the electronics design function, assisting with the design, detailing and practical implementation of new power electronics projects and ongoing support of existing projects.

You will have a number of years experience working in a demanding electronics design environment, ideally with some Firmware exposure. As an Electronics Design Engineer you will have a proven track record of successful designs that reliably and consistently meet specifications.

Duties:

- Daily interaction with the team on preferred power topologies, novel-cooling concepts, control strategies, magnetic designs and new semiconductor devices.
- Collaboration between industrial and academic partners to deliver product performance.

Daily interaction with the company's Technical Authority means the candidate will be in a position to influence the future direction of the company's technology. The company is entering a further period of growth and it is anticipated that this role will grow as the company does.

Key Skills for the electronic Design Engineer include:

- Electronics degree or equivalent
- Design experience in one or more of;
 - SMPS
 - Digitally controlled power supplies
 - Motor controllers
 - Mixed-signal electronics
- A willingness to acquire the technical knowledge about new products.

Desirable Skills include:

- Competence with ORCAD/pSpice and MatLab/Simulink
- Ability to Review and Design Electrical Schematics
- Use of Microsoft Excel and Word

It is important that you are suited to a small company environment. The design team is a small fast-moving unit, working on multiple projects. The ability to deliver to tight timescales and within budget will increase our ability to invest in our own R&D to fuel further growth. Working in R&D you will contribute to developing ground breaking electronic products in a friendly work environment. The company has a great culture supported by excellent staff retention.

Salary

- Salary up to £42000 dependent on experience
- 33 days (including public holidays) per annum
- Company pension scheme

If this sounds like the role for you please send your written application with a copy of your CV, quoting reference number SD19PE01, marked for the attention of Linda Boag to:

administration@supplydesign.com

Closing Date for Applications: Tuesday 1st October 2019

No agencies please.