**Senior Engineer – Senior Electronics Engineer / Power Electronics Engineer**
**Location: Warwickshire
Job type: Full time
Salary: £50,000 – £85,000 pa (depending on experience and ability)**

**Reference GP186**

Our client is a fast-growing company working at the cutting edge of power electronics and battery technologies. They have roots in motorsport and the automotive industry and support industries and they specialise in DC-DC converters, motor drives, battery management systems and other power electronics to support electrification within the automotive, marine, telecommunications and green industries.

They have reached the stage where leadership structure has become important to maximise the productivity and drive of the entire team so they are looking to recruit an innovative Senior Electronics Engineer who will report to the Engineering Manager. You will take responsibility for the technical delivery of one or more projects and ensure that the team of engineers on those projects understand their tasks and responsibilities.
You will take ownership for your own tasks and will endeavour to deal with issues using your own acumen. You will communicate closely with the Project Management team and will escalate issues when appropriate.
You will have sufficient technical knowledge and capability that you can understand new concepts and principles driven by the company’s founder and Chief Technical Officer, and drive relevant work scopes into the engineering team. You will integrate your own methods and ideas in order to deliver the company’s technically innovations.
You will understand the fundamentals of power electronics both in terms of software and hardware and you will be driven by your belief in the importance of both for future mobility, industry and the supporting infrastructure.
Lastly, you will enjoy working as part of a close knit team where every individual’s contribution matters and where you will have the freedom to interact directly with every member of the business.

Responsibilities
You will be responsible for

• Writing and interpreting specifications and requirements
• Ensure adherence to requirements documentation
• Support the development of, and ensure adherence to, project plans
• Create electronic schematics for power electronics components (DC-DC, motor inverters, battery charging and management, etc.)
• Support PCB layout
• Carry out simulation for power electronics devices and understand the limitations of such simulations
• Support product documentation (e.g. design notes, bills of materials, user manuals)
• Understand the implications of ISO26262
• Be familiar with ASIL ratings and Functional Safety
• Be capable of the highest quality of communication to the Project Management team, the Engineering Manager and customers
• Be comfortable working directly with customers including, from time to time, on site at their premises
• Understand the importance of test, quality assurance and release processes and assure strict adherence to these at all time
• Demonstrate a self-motivated approach to problem solving

Experience needed

• Degree in Electronics Engineering or equivalent.
• You will need to have a minimum of five years experience working within a similar field of embedded electronics design or application
• You will have coached one or more junior engineers
• You will have good working knowledge of the challenges surrounding electrification of transport and industry

Other advantageous skills
• Practical soldering skills (using a microscope) required for PCB assembly
• Knowledge of the use and limitations of lab test equipment and instrumentation
• Experience of MATLAB / Simulink / LabVIEW / MISRA C
• Experience of working with electric vehicles
• Knowledge of designing for high voltages and high currents
• Experience of DFMEA

Excellent benefits package is on offer including pension scheme, flexible working times and 25 days annual leave (plus 8 statutory bank holidays).

If you would like to apply, please send a copy of your CV to Kate Evans quoting reference number GP186 to kate.evans@graduateplanet.co.uk

We look forward to hearing from you.