

## **Electronics Hardware Engineer – Closed**

**Location:** Poole, Dorset, UK

**Reports To:** Engineering Team Lead

Due to our continued growth we are seeking to appoint a brand new position of Hardware Design Engineer located in Poole, Dorset, UK. You will be a key member of the engineering team and will lead the next generation of connected industrial and marine products, working closely with our software engineers, to achieve embedded hardware designs to run and support the graphical and auxiliary requirements of our clients.

Veethree forms part of our larger sister company based in Florida, USA whom have a full turnkey production facility in 53,000 Sq ft factory.

This is an extremely exciting opportunity to spearhead the introduction of electronic design in the UK with support from our sister company in the USA. Working within a cross functional team, the role will be to design and develop products for use in a variety of display applications for control, monitoring and expanding our connected capability through telematics and IoT.

### **Accountabilities**

- Develop and design hardware solutions to meet the required specification.
- Create schematic designs and PCB layout for complex SoC based systems.
- Design optimisation for performance, manufacturability, and cost.
- Conform and maintain company's engineering design rules, development guidelines and the product development process.
- Ensure that development work adheres to the requirements of project design specifications and other supporting documentation.
- Play an active role in projects, team meetings etc. Liaise with other cross functional team members, suppliers and other interested parties throughout projects and encourage their involvement and participation.
- Develop test plans to ensure regulatory compliance.
- Participate and where necessary lead design reviews, communicate ideas and solutions, influence decisions and problem solving.
- Test, validate and document design solutions ensuring they are robust and reliable by using relevant tools and techniques and evaluate outcomes and act as required.
- Support the creation and maintenance of technical files as new products are designed, or existing products are changed.
- Have a detailed and thorough understanding of our own products, and proactively seek to learn about competitors' products.
- Provide technical support to other areas of the business when required.
- Design and develop new products and product improvements, balancing innovative engineering design, functional requirements and aesthetic appeal with product usability, cost effectiveness, ease of manufacture, installation, and maintainability.
- Assist the commercial team in creating quotations for potential new projects.

### **Skills & Experience**

We are seeking recent examples of the below points:

- At least 5 years' industry experience in electronic hardware and / or system design.
- Degree educated in electronic design (or related) or long track record in related field.
- Demonstrable experience of developing embedded single board computers, ideally with NXP i.MX family processors.
- Experience with smaller microcontroller systems based systems ideally using STM32 or similar devices.
- Experience of EMC emission control techniques
- Experience in circuit design using Altium Designer
- Experience of board bring up with ability to debug new and existing hardware to component level and resolve problems.
- Digital and Analogue design experience to support sensor integration.
- 'Self-starter' capable of working with minimal guidance and solving problems using available resources.
- Ability to understand software and hardware integration requirements.

### **Desired Attributes**

- Capable of producing well thought out, maintainable and readable schematic designs.
- Experience in designing for EMC compliance.
- Ability to review hardware designs and provide constructive feedback across a global team.
- Ability to work closely with embedded software team.
- Confident in the use of oscilloscopes and test equipment
- Experience of CAN bus protocol.
- Experience in working within an ISO9001 environment.
- Some experience of radio data communication and associated approval processes.
- Knowledge of working to functional electrical standards concepts (IEC 60495, 61508 / ISO 26262 etc).

### **Summary**

This is an excellent opportunity for an experienced Electronic Design Engineer to lead from the front in the creation of the new role, providing the foundation for future and sustained growth in hardware design and display capabilities. With the opportunity to influence and specify on technical specifications and reasoning using systematic judgement. You will be involved in the complete project cycle, supporting customer queries, Hardware implementation and validation

**Salary** £40,000+ DOE

Please send your up to date CV with covering letter to [vt-hr@veethree.com](mailto:vt-hr@veethree.com)

### NO AGENCIES ###