



Professional Products Ltd

Job Description

Position: Senior Design Engineer
Department: Engineering
Responsible to: Director Products & Technology.

Overall Purpose and Scope

TSL Professional Products Ltd is a Marlow based company that designs, manufactures, markets and sells sophisticated electronic equipment to broadcast end-customers worldwide. With leading market positions in the fields of Audio Monitoring, Control, Automation and Intelligent Power Management, as our company has grown, the demands on the development team have increased considerably. To meet our ambitious product roadmap, we have identified a need for a Senior Design Engineer.

In this senior role, the successful candidate will be an experienced design engineer, comfortable taking designs from concept to production.

The role represents an exciting opportunity in the dynamic broadcast, media and datacentre market. It is a fantastic opportunity with a growing organisation, offering the opportunity to work on the latest technology with industry experts.

Key Responsibilities:

- Design and specification of new products.
- Evaluate requirements from Product Management and produce best in class product design.
- New component evaluation and selection.
- Board level circuit design.
- Schematic entry.
- Debugging new designs.
- You will need to work to strict customer deadlines, and juggle multiple projects.
- Complete product lifecycle support.

Required Skills:

- Experience in the Broadcast Video/Audio Industry.
- Degree or equivalent level qualification in relevant discipline.
- 5+ years hardware design experience.
- Excellent digital and analogue circuit design fundamentals.
- High speed SD/HD/3G-SDI design experience.
- Ability to design circuits containing embedded processors and FPGA's.
- A good understanding of how Software interacts with and controls Hardware.
- Ability to interpret product specifications and develop appropriate circuits to meet these requirements.
- Experience of real time embedded C programming.

Advantageous Skills:

- VHDL coding for Xilinx or Altera FPGA's.
- Networking protocol experience.
- Experience of C programming.
- SMPTE 2022-6/7, SMPTE 2110.
- AES67, Dante.
- DDR RAM interfacing.
- C++ programming.
- Product design including ergonomics and mechanical aspects.

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