



JOB DESCRIPTION

TITLE:	Electronics Engineer	SALARY GRADE:	TBD
REPORTS TO:	Electronics & Software Group Leader	JOB STATUS:	Permanent
PREPARED:	September 22, 2009	LOCATION:	Cambridge, UK
		JOB CODE:	TBD

POSITION SUMMARY:

Design, development and testing of Pelikon's display driver circuits and ICs. Developing and supporting sales demonstrators and evaluation hardware. Helping customers to integrate Pelikon's technology into their products.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

- Working as part of the Research & Development Team in order to achieve project objectives.
- Circuit design, prototyping and PCB layout for reference designs and demonstrators.
- Writing embedded software for 8-bit microcontrollers to control demonstrator hardware and interface to other systems.
- Designing, implementing and managing test systems to characterise and qualify Pelikon's reference designs and ICs.
- Hand PCB assembly using surface mount technology and managing small batch production via external manufacturers.
- Reporting any issues to the Electronics Group Leader/Technical Director in a timely manner.
- Adhering to ISO standards.
- Adhering to Health and Safety procedures
- Any other duties as required by the Electronics Group Leader/Technical Director.

ESSENTIAL KNOWLEDGE, SKILLS, ABILITIES, AND COMPETENCIES:

- A solid understanding of basic analog and digital electronics is essential.
- Embedded C and assembler for low-cost 8-bit microcontrollers.
- PC software development (in Matlab and/or C/C++).
- Good manual prototype build skills
- Advanced Excel.
- Intermediate knowledge of Word, Access and Outlook.

EDUCATION, EXPERIENCE AND/OR LICENSES:

- 2.1 or 1st in Electronics, Physics or Engineering, from one of the best universities for those subjects.
- Minimum 1 to 3 years' experience of hardware & embedded software development in a commercial environment. Exceptional fresh graduates may be considered if they have relevant experience from gap year and vacation work.
- Electronics prototyping skills, e.g. hand-soldering, test jig design and construction, milling and drilling enclosures.
- Schematic design and PCB layout.
- Methodical with high level of attention to detail.
- Problem solving skills.
- Ability to liaise with team members, internal/external customers and external suppliers.
- Good oral and written communications skills.
- Works on own initiative.
- Ability to work to deadlines.

AREA OF CONCENTRATION:

Electronics hardware and software; PCB and demonstrator assembly.

The above statements are intended to describe the general nature and level of work being performed by people assigned to this classification. They are not intended to be construed as an exhaustive list of all responsibilities, duties, and skills required of employees assigned to this job.



JOB DESCRIPTION

SUPERVISORY RESPONSIBILITIES:

Does this job have supervisory responsibilities? No: X Yes: _____

Are there subordinate supervisors reporting to this job? No: X Yes: _____ How many? _____

Are there employees reporting directly to this job? No: X Yes: _____ How many? _____

What is the total number of employees who report both directly AND indirectly to this job? _____ How many? _____

The above statements are intended to describe the general nature and level of work being performed by people assigned to this classification. They are not intended to be construed as an exhaustive list of all responsibilities, duties, and skills required of employees assigned to this job.