

## JOB SPECIFICATION



**Chelsea  
Technologies  
Group Ltd**

55 Central Avenue  
West Molesey  
Surrey KT8 2QZ  
United Kingdom  
Tel: +44 (0)20 8481 9000  
Fax: +44 (0)20 8941 9319  
sales@chelsea.co.uk  
www.chelsea.co.uk

Job Title	<b>Senior Electronics Engineer</b>
Department	R&D
Line Manager	Technical Manager
Salary	Up to £40,000
Place of work	55 Central Avenue, West Molesey, KT8 2QZ Available to travel occasionally in UK and overseas, including overnight absences.
	<b>Must live within commuting distance of the office. Must hold UK passport.</b>

<b><u>The role</u></b>	<b>Senior Electronics Engineer with at least five years relevant experience to work on instrumentation and acoustic systems</b>
<b><u>Knowledge and experience</u></b>	<p>Candidate should have at least five years' experience and specific expertise in <b>analogue circuit design</b> preferably in an instrumentation development environment.</p> <p>The work will involve mixed signal design including pre-amplifiers, filters, power supplies, interfacing and analogue-digital conversion for precision instrumentation applications. Some experience or knowledge of microprocessor based circuit design and embedded software would be desirable.</p> <p>The candidate will be expected to work independently or as a member of a team contributing to all aspects of the product development cycle from requirement analysis through design &amp; development into production. Candidate would be expected to produce design documentation and test specifications.</p> <p>Practical skills would be desirable but not essential.</p> <p>Candidate will be expected to provide technical support to Sales and Marketing for bidding/proposal writing and technical assistance to the Customer Support Manager and Production Department.</p> <p>Candidate would be expected to provide occasional off-shore support as required including some overseas travel.</p>
<b><u>Academic / professional Qualifications</u></b>	Candidates with a BSc (2:1) or a higher degree in a relevant electronics-engineering course from a UK University.

2000-239-QF-B



Registration No: 00832429  
Registered at the above address

<b><u>Work Skills/Abilities</u></b>	<p>Basic Analog components / circuits (essential)  Operational Amplifier circuits (essential)  Power supply technology (essential)  Circuit analysis, modelling and theory (essential)  Analog-Digital Conversion (essential)  Interfacing and IO (e.g. I2C and SPI bus) (essential)  CAD Schematic layout (essential)  CAD PCB design (essential)  Experience of Cadence OrCAD PCB design tools (essential)  Fault finding (desirable)</p> <p><b>Knowledge of:</b>  Assembler and/or embedded 'C' (desirable)  Use of PAL/FPGA technologies (desirable)  Linux (desirable)</p> <p>Good written and presentational communication skills will be required (essential).</p>
<b><u>Typical project</u></b>	<p>The candidate will be a self-motivated engineer capable of running small development tasks independently. Example tasks include low-noise hydrophone preamplifier design or multichannel data logger design. Candidate will have to check other engineer's work.</p>
<b><u>Day-to-day tasks</u></b>	<p>New product development (design &amp; test). Existing product development (fault finding / improvement / enhancement). Support to Production Department test engineers, Engineers (after settling in) would be expected to design, prototype and document a circuit. Then take it through to a manufacturability state. This may be as part of a team.</p>
<b><u>Character &amp; personal qualities</u></b>	<p>Self-motivation is essential along with a desire to continue to improve on both a personal and professional level. The candidate must be keen to learn new skills and be comfortable working in a highly multidisciplinary environment.</p> <p>Candidate must be able to operate as part of a team but also be able to act on own initiative, must be methodical and pay great attention to detail and work well under pressure and to deadline. Good communication skills are essential.</p>
<b><u>Evaluate their success in the role</u></b>	<p>By circuit or system performance criteria. By time taken to complete a task.</p>
<b><u>Security Clearance</u></b>	<p>Candidate must be suitable for SC security clearance with the UK Ministry of Defence. A current UK passport is required. Driving license would be of benefit, as some travel will be involved in the role.</p>
<b><u>Package</u></b>	<p>Contributory pension scheme. Life assurance scheme. 25 days annual leave, plus public holidays.</p>
<b><u>Normal working week</u></b>	<p>37.5 hours - 8.00/8.30am – 4.00/4.30pm, 30 mins lunch Monday-Friday. However it is expected that when urgent deadlines are to be met, or customer support needed, staff will be required to work outside these core hours.</p>
<b><u>Application Process</u></b>	<p>Applicants <b>must</b> read this job specification and <b>must</b> submit a covering letter outlining why they are suitable for the role with their CV.</p> <p>Send CVs to Ellen Keegan (<a href="mailto:ekeegan@chelsea.co.uk">ekeegan@chelsea.co.uk</a>) Tel 020 8481 9019.</p>