



## Terms of Reference / Job Description

Company Job Title	Software Engineer
Working Hours	Monday to Friday 9am to 5pm
Approximate time spent away from Orbital Offices (i.e. on site)	This role is based predominantly within our Staffordshire office however the individual may be required to travel to client premises on an occasional basis to undertake software modifications or meetings.
This position reports to:	Lead Software Engineer
Organogram	Engineering Manager   Lead Software Engineer   <b>Software Engineer</b>
Primary Duties:	<ul style="list-style-type: none"> <li>• The design, documentation, development, testing and commissioning of PLC based control systems.</li> <li>• This will cover the complete system development lifecycle from initial design through to customer site acceptance.</li> </ul>
Secondary Duties:	<ul style="list-style-type: none"> <li>• Investigation and rectification of defects at customer's sites.</li> <li>• Provide support and assistance to other engineering disciplines within the design team.</li> <li>• Attend Design working Groups.</li> </ul>
Essential Skills:	<ul style="list-style-type: none"> <li>• Minimum of a HNC in a software related engineering discipline or equivalent experience working with software controlled systems.</li> <li>• Knowledge of IE61131-3 programming languages.</li> <li>• Experience of the complete software/systems design lifecycle.</li> <li>• Experience of PLC programming languages.</li> <li>• Knowledge of computer operating systems.</li> <li>• Knowledge of network / serial communications protocols and hardware.</li> </ul>
Desirable Skills:	<ul style="list-style-type: none"> <li>• Knowledge of Control &amp; Instrumentation Engineering.</li> <li>• Knowledge of process control principles.</li> <li>• Knowledge of web based programming technologies such as HTML, PHP(Laravel) or JavaScript.</li> <li>• Knowledge of National Grid design standards.</li> <li>• Knowledge of serial communications protocols and hardware.</li> </ul>
Personal Skills	<ul style="list-style-type: none"> <li>• The ability to work as part of an established team.</li> <li>• The ability to prioritise own workload and work un-supervised when required to meet project deadlines.</li> <li>• Good communication skills both written and spoken.</li> <li>• A flexible approach to their working practices.</li> </ul>