



A trading division of
TestWorks Group Limited



Role:	Systems Engineer - Hardware
Reports to:	Director
Works with:	Company Directors, Sales & Marketing Manager, other engineers, customers, suppliers

Background to the role

About PTP:	<p>PTP, a trading division of TestWorks Group Limited, is a growing development service provider specialising in the control, product development and test equipment market place. We develop customer projects both large and small; you get the chance to work on a wide variety of interesting developments. We have strength in PC development, such as C#, as well as in NI and Beckhoff product lines and more general embedded software and electronics development. You will find yourself applying a range of skills to the work you do, as variety is inherent in the job. Culturally, you'll find yourself part of a small, dynamic and friendly team who are passionate about what we do and take pride in delivering effective solutions for our customers.</p> <p>Our previous projects are many and varied and include racing car simulators, a maritime fibre optic repeater, control of several bespoke machine for markets including pharmaceutical, automotive and oil, as well as equipment to measure the quality of rail track or the effectiveness of fire warning systems.</p>
What is the role?	<p>The purpose of the role is to specify, design, implement and test solutions for our customers. This covers all aspects of the development lifecycle from requirements capture to commissioning.</p> <p>The role involves significant customer interaction and as such the System Engineer can often find themselves representing the company in discussions and during commissioning or helping prepare the technical aspects of a quote for the next piece of work.</p>
Why does it exist?	<p>The company is seeing increasing demand for it's services and therefore is looking for a talented engineer to come on board and join the team.</p>

Skills for the role

Area	Skills and capability
Technical	<p>The skills used in the role are a mixture of electronics and electrical systems design and integration within a number of environments from analogue to digital electronics to the electrical systems of automation and test systems, with occasion to get involved with software development, depending on the skills of the person.</p> <p>Essential:</p> <p>Good analogue and digital electronics design skills Able to design and test medium complexity electronic/electrical systems. Able to help out with building the systems when required (e.g. wiring, etc).</p> <p>Good commercial experience in electronics with some exposure to at least sensor and actuator drive circuit design.</p> <p>Some experience of working to meet British/European standards (e.g. low voltage directive, EMC directive) and to meet CE certification generally.</p> <p>Desirable</p> <ul style="list-style-type: none"> - Software development, especially <ul style="list-style-type: none"> o Windows software development o Software design using graphical tools such as Labview or Simulink o Control systems development using the National Instruments tools chain o Control systems development using the Beckhoff tool chain - Modelling of control systems - System level design of control systems - System level design of test systems - An understanding of physical systems (including mechanical, thermal and fluidic behaviour)
Qualifications & experience	<p>Essential</p> <ul style="list-style-type: none"> - Degree educated in software, electronics, mathematics or a related subject - At least two years of systems and electronics development in an environment utilising skills in both disciplines <p>Desirable</p> <ul style="list-style-type: none"> - System design of a small or medium sized project - Presenting to technical forums, such as user groups, conferences, etc
Personal	<p>Essential:</p> <ul style="list-style-type: none"> - Able to present to customers - Able to work with customers to identify requirements - Happy to work on a project independently and in a team - Diligent with attention to detail - Resourceful, proactive and pragmatic in problem solving - Able to deliver to schedule - Flexible and enthusiastic - "Can do" attitude - Excellent written and verbal communication - Strong team-working abilities - Able to travel as needed on occasion – many of our customers are local to the office and the development work is mostly done at our offices, but some travel is

	required from time to time, especially as the company has offices in multiple locations in the UK which we work closely with.
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Benefits

The company offers benefits including a competitive salary, 25 days paid leave (plus bank holidays) and entry into the company profit related pay scheme.