



JOB DESCRIPTION

Job Title – Control Software Engineer

Reporting To – Principal Control Software Engineer

Job Summary

Some would say we know more about space than the deepest oceans. At Soil Machine Dynamics we address this by designing and manufacturing remote controlled machines for deep sea work and exploration.

We are the World's leading independent supplier of this type of equipment and produce a variety of robotic systems for use by commercial, science and governmental organisations. Many of these machines are world firsts.

SMD is based in Newcastle-Upon-Tyne with all engineering disciplines under one roof including mechanical, hydraulic, electrical, electronic and software.

The primary role will be to develop, design and manage control system software to enable the Company to stay ahead in the market through its standard product range but also special one-off vehicles.

This is so we can continue to push boundaries to meet customer requirements, where involvement will be through full product life cycle.

The role will report to the Principal Engineer to ensure the team objectives are achieved and are aligned with the Company goals going forward.

Job Detail

Responsibilities

- Produce functional specifications for software functions / product range
- Develop, test and implement new software to fulfil functional specification
- Involvement in full product life cycle, design through to commissioning and customer acceptance testing
- Continuous development of product software to maintain market lead for customer demands
- Potentially working away to help support customers or part of system development (1 – 4 times a year)

Technical Competences

- At least 2/3 years' experience of software programming or capable of demonstrating relevant experience.
- Software scripting experience.
- Software design in any of these areas to then cross over:
 - PLC software design
 - SCADA software design



- Embedded software design
- At least 1 years' experience in machine control
- Communication Networks
- Minimum 2nd class degree qualification in a relevant subject or relevant experience
- Training will be provided to fill any technical gaps

Core Competences

- Customer focus
- Highly performance driven
- Professional passion for quality
- Pragmatic hands-on approach to problem solving
- Meticulous attention to detail
- Positive and proactive approach
- Flexible and the ability to multi-task and prioritise
- Good team player
- Good communication skills, both verbal and written

Additional Desirable Competencies

- Understanding hydraulic schematics
- Understanding electrical schematics
- Understanding of electrical standards
- Rockwell PLC experience
- Intouch SCADA experience
- C/C++/VB programming experience
- QNX experience
- Experience of Ethernet networks
- Experience of RS485 networks
- Experience of RS232 communications
- Experience in fibre optics
- Data analysis
- Image recognition
- Robotics

If you are hoping to join a great team and interested in the above role, please use our CV submission link on the website, or apply via our LinkedIn jobs page.