

JOB DESCRIPTION

Job Title	Electronic Design Engineer	Department	Engineering
Responsible to	Engineering Manager	Responsible for	

Main purpose of job

To enable Flann to provide instruments and solutions to customers that offer a degree of automation and control only possible through the use of electronic or electrical components, or systems.

Main duties

- Exercise a duty of care to self and the rest of the team.
- To design electronic systems, typically requiring motor, actuator or solenoid drives running under embedded software control.
- Implement electronically the mathematics required to control new microwave instruments, so they achieve the desired performance.
- Enable the instruments to provide feedback to the customer and / or their systems.
- Write the necessary embedded software.
- Prepare design documentation, instrument manuals, and electronic assembly and test instructions.
- Maintain and enhance existing product designs.
- Support production and test teams as required to validate newly manufactured instruments and those returned for repair.
- Work with managers and supervisors to implement the Company's policies and business objectives.
- Carry out any other duties within capability, as required by the Engineering Manager.

Person Specification

- Bachelor's or Master's Degree in Electronic Engineering or a closely-related discipline.
- Experience of specifying and designing stepper and servo motor control systems.
- Experience of designing and implementing controls and graphics for displays.
- Knowledge of both digital and analogue circuit design, and an understanding of how to lay out printed circuit boards.
- Ability to write high quality technical documentation.
- Flexibility to work on multiple problem-solving tasks and adapt quickly to new challenges.
- Eligible to work in the UK.



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