

Job Title: Systems Engineer
Reporting to: Engineering Manager
Based at: Solutions House, Fraser Road, Bedford
Summary: Responsible for the design and configuration of electrical systems developed within the UK design department.

Key responsibilities and accountabilities:

1. Leading or being a member of project teams comprising a mix of mechanical and electrical engineers.
2. Electrical / electronic design including backplanes, power supplies and interface controls.
3. Design of high-reliability, rugged systems for demanding aerospace and commercial applications.
4. Liaising with customers to ensure compliant product design within timescales and on budget.
5. Generation of schematics, manufacturing data, bills of materials and specifications.
6. Generation of test and compliance documentation (test instructions, compliance matrices and verification documentation).
7. Maintaining and recording project data to ensure accurate records of design decisions, selections and changes during the design process.
8. Leading or attending design reviews, with both internal and external customers.
9. EMC and environmental Testing.
10. Ensuring compliance to CE, RoHS and WEEE directives.
11. Supporting the Production and Test departments with technical advice.
12. Assisting in the enhancement and improvement of the internal engineering processes and procedures.
13. Liaising closely with the Sales and Commercial teams to support enquires for customers.
14. Working within an ISO9001 / AS9100 quality system.
15. Other duties within Engineering team as requested by the Engineering Manager.

Experience of the following would be a distinct advantage:

1. Awareness of military standards (DEF STD and MIL STD) for equipment.
2. Knowledge of EMC and / or environmental test methods and procedures.
3. Knowledge of UKCA / CE, RoHS and WEEE directives (EN60950 / EN62368).
4. Knowledge of Microsoft Office Applications.
5. Experience of working with CAD Software.

If you are interested in the position, please send your CV and covering letter explaining why your skills and experience match Elma's requirements for this position to: matthew.rutt@elma.co.uk

Successful applications will be contacted within 2 weeks of receipt of their application.