

CANDIDATE SPECIFICATION



JOB TITLE	Senior Mechanical Engineer	
REPORTING TO	Technical Manager	
DEPARTMENT/SUB DEPARTMENT	Electronics Design and Development	
LOCATION	St Neots	
OVERALL PURPOSE		
Mechanical design for design and development, mechanical lead for new and existing programs and to mentor less experienced Mechanical Engineers.		
PRINCIPLE ACCOUNTABILITIES		
<ul style="list-style-type: none"> To design, develop and evaluate detailed mechanical and electronic packaging design solutions to meet customer / R&D requirements, Evaluate mechanical requirements from customer specifications and help create internal requirements when specifications are not clear or ambiguous, Set standards for 3D modelling and 2D drawings to improve design discipline and allow continuity between different projects, To liaise and maintain professional relationships with suppliers, customers and colleagues at all times by providing excellent customer service, Work with colleagues to continuously improve work processes and promote design collaboration between other engineering disciplines. PCB Layout and Electronic Engineers, Create presentations or models to convey detailed design decisions or any Stress, thermal or stack tolerance analysis, To perform root cause analysis on faults and facilitate appropriate corrective actions, To generate detailed design drawings and manufacturing packages as appropriate for internal and customer end use, To design and evaluate jigs, tools and fixtures to facilitate ease and accuracy of prototype and production build, To ensure that the necessary product life cycle processes are carried out efficiently and effectively from the development stages into production, To perform vibration, stress and thermal modelling and analysis, To perform 3D mechanical modelling & 2D drawings in CAD, To maintain mechanical CAD libraries on a shared basis, To generate technical documentation and reports as required, To achieve program time scales and cost budgets, To promote best practices in Engineering, To act as a technical interface/support to customers and colleagues, To carry out duties in a proper and efficient manner, act wholeheartedly in the interest of the Company at all times and to comply with the Company Rules and Regulations, Responsible for ensuring that a high standard of house-keeping is maintained, Responsible for ensuring that all Health & Safety policies are adhered to, To carry out any other tasks where reasonable and relevant, when required. 		
QUALIFICATIONS	ESSENTIAL	DESIRABLE
BEng/BSc, MEng/MSc or equivalent experience	✓	
EXPERIENCE/ SKILLS	ESSENTIAL	DESIRABLE

CANDIDATE SPECIFICATION



Experience in design/development role of electronic hardware/modules for aerospace or similar critical environment	✓	
Knowledge of electronics for galley inserts, high integrity power supplies or seating actuation		✓
Knowledge and experience of DO-160 and DO-254		✓
Proven track record in the development and industrialisation of products for medium-volume production		✓
Ability to lead small teams and work on a range of projects	✓	
Understanding of electrical safety	✓	
Adaptable, professional outlook and initiative with attention to detail	✓	
Ability to work independently while collaborating in a team environment	✓	
Ability to work under pressure and to deadlines	✓	
PERSONAL SKILLS	ESSENTIAL	DESIRABLE
Team Player	✓	
Strong Work 'Can-do Ethic'	✓	
Exceptional at building relationships	✓	
Excellent Customer Service skills	✓	
Strong attention to detail and time management	✓	
Exceptional Planning and Organisation skills	✓	
High awareness of Productivity and Quality	✓	
Excellent Communication skills	✓	
Flexibility	✓	
Takes Responsibility for actions	✓	
Learn, Apply and Improve	✓	