

JOB DESCRIPTION

Job Title:	Design Engineer - Electrical	
Full or part-time role:	Full time - 40 hours per week	
Company:	Supacat Ltd	
Main purpose:	Create innovative and cost-effective designs using CAD to a high standard and on time.	
Issue & Date:	Issue 03	29-06-222

SC Group encompasses a group of companies within the UK and Australia who design, manufacture and distribute special purpose machines and equipment. As an employee within the Group of companies you should work as part of the team, be flexible in your approach to your work and fulfil any reasonable request to do tasks that may arise and is within your capability. However, the information below provides details on the key responsibilities of your role.

KEY AREAS	Key Responsibilities	Other Responsibilities
	<ul style="list-style-type: none"> Component and assembly design from concept to production in an automotive environment using CAD. Produce circuit diagrams and schematics. Produce designs to meet the agreed requirements to time and within hours specified. Maintain accurate design records and maintain drawing issue control. Use the PDM system to store and issue drawings. Revise or amend existing designs and drawings to meet new requirements Work with the Project Engineer and other team members to provide the best output. Liaise with suppliers in order to source new components. Assess prototype components for correct fit and function. Prepare documentation for design reviews 	<ul style="list-style-type: none"> To know and understand the Company Handbook and follow the Company's policies with regard to Quality, Health and Safety, Security and IT where appropriate. Your role may be subject to Data Protection Act and Official Secrets Act. Confidentiality must be maintained at all times. To maintain an awareness and observation of Fire, Security and Health and safety regulations. Ensure all personal data is managed in accordance with company policy Report writing, approval and project information recording. Systems testing using data logging and other instrumentation.

Employee	Name:	Signature:
		Date:
Manager	Name:	Signature:
		Date:

PERSON SPECIFICATION

	Essential	Desirable
Work based competencies	<ul style="list-style-type: none"> Cad skills preferably Autocad and SolidWorks. Engineering draughting experience of electrical schematics and looms. Good working knowledge of Microsoft Office. A good communication skill (verbal and written) at all levels including suppliers and customers. Generally computer literate and able to adapt to different software etc. Good report writing and project information recording. Able to resolve basic computer problems with minimal help. 	<ul style="list-style-type: none"> Experience of drawing issue control using PDM. Experience of a range of automotive systems. Vehicle testing using data logging and other instrumentation. Presentation skills
Behavioural competencies	<ul style="list-style-type: none"> Approachable and dependable Logical and thorough approach to record keeping Able to meet deadlines Drive to achieve quality in all that he/she does Able to work effectively under pressure 	
Qualifications & experience	<ul style="list-style-type: none"> Minimum of HNC qualification in Electrical Engineering. Knowledge of Automotive electrics, 12 and 24v. Proven experience of working in a designer role. 	<ul style="list-style-type: none"> Electrical Engineering Degree
Organisational fit	<ul style="list-style-type: none"> Effective and honest communicator Able to work as part of a team. Able to work on your own initiative and maintain your own motivation. Has a positive approach to problems. Has the desire and ability to contribute to the company as a whole. Embodies and promotes the company core values 	<ul style="list-style-type: none"> Balances creative flair with a disciplined approach and good organisational skills