

Job Description: Component Engineer – EEC



Department: Electrical Electronic Systems

Job role overview: Component Engineer Electrical Electronic Components team

Report to: Team Lead of Electrical Electronic Components

Location: Hinckley, UK

Role Purpose:

Component Engineer – Electrical & Electronic Components is responsible for the development, integration and delivery of electrical and electronic components that support Triumph motorcycle systems.

The role requires ownership of assigned components throughout the product development lifecycle, working closely with suppliers and internal stakeholders to ensure delivery of robust, cost-effective and compliant solutions. Engineers are expected to manage their own activities, contribute to technical problem-solving and support the continuous improvement of products, processes and engineering capability.

The Component Engineer will collaborate with Model Based Systems Engineering (MBSE), Software, Integration & Validation, Functional Safety, Cybersecurity, Manufacturing, Quality and Purchasing teams to ensure successful programme delivery.

Key Responsibilities:

Component Development

- Support the design, development and integration of electrical and electronic components for motorcycle applications.
- Own assigned components and deliver engineering activities in line with programme timing, quality and cost targets.
- Develop and maintain component drawings, releases and validation plans.
- Review and understand component specifications and technical requirements to ensure component will deliver system needs.
- Review supplier proposals and ensure solutions meet functional, technical and commercial requirements.
- Support component verification and validation activities, including analysis of test results and issue resolution.
- Ensure compliance with reliability, environmental, EMC, regulatory and legal requirements.

Supplier Management

- Work directly with suppliers to support component development activities.
- Monitor supplier deliverables and support achievement of programme milestones.
- Coordinate supplier technical reviews and manage engineering queries.
- Support evaluation of supplier changes and assess impacts to cost, quality and timing.
- Escalate risks and issues appropriately.

Technical Problem Solving

- Investigate technical issues using a structured engineering approach.
- Support root cause analysis and corrective action activities.
- Identify and propose solutions to component and system-level issues.
- Support field, manufacturing and validation investigations where required.
- Contribute to lessons learned and design improvements.

Stakeholder Management

- Work effectively with cross-functional teams.
- Communicate technical information clearly and professionally.
- Ensure relevant stakeholders are engaged before deliverable release.

Continuous Improvement & Learning

- Work in accordance with defined engineering processes and standards.
- Actively seek opportunities to improve product quality, delivery efficiency and engineering methods.
- Keep up to date with emerging component technologies and industry developments.
- Demonstrate a commitment to continuous professional development.
- Share learning and knowledge with colleagues where appropriate.

Person Specification: Component Engineer – EE Components

1. **TRIUMPH** 

	Essential	Desirable
Qualifications and Attainments	BEng or MEng in Electrical/Electronic Engineering or a related discipline. Significant experience within automotive, motorcycle, industrial or related engineering sectors.	Chartered Engineer (CEng) status
Professional Experience and Skills	• Experience of electrical or electronic component development. • Understanding of electrical and electronic systems. • Ability to interpret technical specifications and requirements. • Understanding of component validation and test methodologies. • Experience working with suppliers and technical stakeholders. • Proficient in Microsoft Office applications. • Strong analytical and problem-solving skills.	• Automotive, motorcycle, transportation or industrial product development experience. • Experience with CAN, LIN or similar communication networks. • Knowledge of embedded software and ECU development processes. • Experience using requirements management tools. • Understanding of Functional Safety (ISO 26262). • Awareness of Cybersecurity (ISO 21434). • Experience with MBSE concepts and tools. • Understanding of engineering change control and release processes.
Personality and Motivation	• Self-motivated and proactive. • Strong technical curiosity and willingness to learn. • Structured and logical problem solver. • Good interpersonal and communication skills. • Able to work independently while contributing effectively within a team. • Adaptable and resilient when working to demanding timescales. • Professional and collaborative in approach.	
Appearance and Characteristics Circumstances	Well presented and professional in approach.	
	Flexible on working hours.	
	Willing to undertake UK and Overseas travel.	