

Job Description: Lead Component Engineer – EEC



Department: Electrical Electronic Systems

Job role overview: Lead Component Engineer Electrical Electronic Components (EEC)

Report to: Team Lead of Electrical Electronic Components (EEC)

Location: Hinckley, UK

Role Purpose:

The Lead Engineer – Electrical & Electronic Components is responsible for the technical leadership and delivery of a team of engineers supporting the development, integration and release of electrical and electronic components across multiple motorcycle programmes.

Operating as a senior technical leader within the EEC function, the role is accountable for planning, coordinating and overseeing the work of a small engineering team to ensure delivery of component development activities to agreed timing, quality and cost targets. The Lead Engineer achieves successful delivery through effective delegation, technical guidance, risk management and stakeholder engagement.

The role provides leadership on complex technical issues, supports the development of engineering capability within the team, and acts as a key interface between engineering disciplines, suppliers and programme stakeholders.

Key Responsibilities:

Technical Leadership & Delivery

- Lead a small team of engineers in the development and delivery of electrical and electronic components across multiple programmes.
- Coordinate and delegate activities to ensure delivery of programme timing, quality and project cost objectives.
- Provide technical leadership and guidance to Engineers and Senior Engineers.
- Own the delivery of complex or business-critical components throughout the product lifecycle.
- Review and approve component specifications, validation plans and key engineering deliverables.
- Manage technical risks, issues and dependencies, defining effective mitigation plans.
- Lead technical reviews, gateway activities and engineering change/release activities.
- Act as the technical escalation point for complex engineering issues.
- Ensure engineering outputs comply with company processes, standards and governance requirements.
- Drive engineering best practice, continuous improvement and capability development within the team.

Supplier & Cross-Functional Leadership

- Lead technical engagement with suppliers and cross-functional stakeholders throughout the component development lifecycle.
- Review and challenge supplier proposals, designs, validation evidence and technical solutions to ensure delivery of robust, compliant and cost-effective products.
- Support supplier selection, technical assessments and resolution of complex technical issues.
- Work closely with MBSE, Software, Integration & Validation, Functional Safety, Cybersecurity, Quality, Manufacturing, Purchasing and Service teams to ensure requirements are translated into robust component solutions.
- Support system integration activities, drive resolution of cross-functional issues and influence technical decisions across a broad range of stakeholders.
- Ensure suppliers and stakeholders deliver outcomes aligned with programme, quality and business objectives.

Validation & Quality

- Define and review component verification and validation strategies.
- Ensure validation activities demonstrate compliance with functional, performance, environmental and regulatory requirements.

- Support investigations of validation, manufacturing and field issues where required.
- Lead root cause analysis and corrective action activities for complex technical concerns.
- Promote Design for Reliability and continuous improvement principles.

Mentoring & Capability Development

- Mentor and coach Engineers and Senior Engineers.
- Provide technical support and guidance to less experienced team members.
- Review engineering work products and provide constructive feedback.
- Support development of engineering standards, processes and best practices.
- Contribute to technical training and knowledge-sharing activities.

Continuous Improvement & Learning

- Drive improvements in engineering processes, standards and methodologies.
- Identify opportunities to improve product quality, reliability and development efficiency.
- Support implementation of lessons learned across programmes.
- Promote adoption of new technologies, tools and engineering approaches.

Success Measures

A Lead Engineer will be successful when:

- Critical components are delivered to programme timing, cost and quality targets.
- Technical risks are proactively identified and effectively managed.
- Engineering decisions improve product robustness, reliability and customer satisfaction.
- Suppliers deliver high-quality technical solutions.
- Engineers within the team demonstrate measurable capability growth.
- Validation activities confirm robust and compliant component designs.
- Technical issues are resolved efficiently with minimal impact to programme delivery.
- The individual is recognised as a trusted technical leader within the Electrical & Electronic Systems organisation.

Person Specification:
Lead Engineer – EE Components



	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	• Strong leadership, planning and communication skills, with the ability to prioritise work, manage delivery risks, assure quality and provide technical guidance across an engineering team. • Significant experience in electrical and electronic component development. • Proven ownership of complex components through the full development lifecycle. • Strong understanding of electrical and electronic systems integration. • Experience working directly with suppliers and managing technical deliverables. • Strong understanding of validation, verification and engineering release processes. • Experience leading technical investigations and root cause analysis activities. • Demonstrated ability to influence technical decisions and stakeholder alignment. • Excellent problem-solving and decision-making capability.	• Experience within automotive, motorcycle, aerospace or related industries. • Knowledge of CAN, LIN and vehicle communication networks. • Experience with Functional Safety (ISO 26262). • Experience with Cybersecurity (ISO 21434). • Experience with EMC compliance and environmental validation. • Understanding of MBSE methodologies and requirements management tools. • Experience supporting production and field issue investigations. • Experience supporting recruitment, succession planning and capability development within an engineering team.
Personality and Motivation	• Technical leader with strong engineering judgement. • Highly credible and influential across multidisciplinary teams. • Structured and analytical problem solver. • Strong communication and stakeholder management skills. • Proactive and delivery focused. • Committed to engineering excellence and continuous learning. • Comfortable operating in ambiguity and managing technical complexity. • Collaborative and supportive team member.	
Appearance and Characteristics Circumstances	Well presented and professional in approach.	
	Flexible on working hours.	
	Willing to undertake UK and Overseas travel.	