

Job Description: Engineer/ Senior Engineer – EMC



Department: Electrical and Electronic Systems

Job role overview: Electromagnetic Compatibility (EMC) Engineer/ Senior Engineer

Report to: Chief Engineer Electrical/ Electronic Systems

Location: Hinckley, LE10 3BZ, UK

Duties and Responsibilities:

Working within the Electrical/ Electronic systems team, the EMC Engineer/ Senior Engineer role is responsible for ensuring EMC compliance of our electronic systems. You will work closely with Component Engineers, T&D (Test & Development), MBSE team, Vehicle project teams, Suppliers, and our Quality dept. to ensure global EMC compliance is met for all of Triumphs products.

Senior Engineers are expected to have significantly more experience, be capable of mentoring engineers, chair work product reviews meetings within the Company, peer review & sign off work products etc. and in some instances, as required deputise for the Lead Engineers.

- Technical lead for EMC.
- Develop & Manage Triumph EMC specifications and documentation
- Leading Triumph to ensure our components conform to the applicable standards and requirements
- Manage component EMC database (in conjunction with Component Engineers)
- Manage EMC test plans with suppliers to meet Triumph stage gate deliverables supporting reviews where necessary.
- Develop and follow best practice working procedures to support EMC activities.
- Create EMC KPIs for component EMC compliance status and publish to EES leadership team on a regular basis (monthly) for each project.
- Where necessary support component hardware reviews with suppliers
- Promote EMC awareness across the Business & support training for new starters where necessary.
- Chair a Triumph internal EMC working Group with key stakeholders to ensure our EMC approach is kept robust and applicable.
- Support Whole vehicle EMC testing where necessary alongside our T&D team.

Person Specification: Engineer / Senior Engineer – EMC



	Essential	Desirable
Qualifications and Attainments	<p>BEng or MEng in Electrical / Electronic engineering, Physics or Systems Engineering, and proven relevant experience.</p> <p>Working knowledge of global applicable EMC standards (UNECE Reg10, CISPR, ISO, FCC, GB/T)</p>	<p>Chartered Engineer.</p> <p>EMC standard working group experience</p>
Professional Experience and Skills	<p>Significant relevant experience in EMC within the automotive industry. Similar role outside automotive would be considered.</p> <p>Experience of vehicle electrical architectures based upon on CAN based systems highly desirable.</p> <p>Experience of full product lifecycle from concept through to vehicle launch.</p> <p>Experience of delivering electrical systems/ components</p>	<p>Working with and managing suppliers</p> <p>Experience of working with EMC toolsets, simulation etc.</p> <p>Experience of I.T based systems for tracking tasks/ actions (JIRA, Excel, Word, Project)</p> <p>Experience of design for EMC best practice (PCB, Hardware, filters, suppression etc)</p>
Personality and Motivation	<p>Self-motivated and resilient.</p> <p>Methodical and accurate.</p> <p>Excellent communication skills, clear and concise written and verbal skills.</p> <p>Logical approach to problem solving.</p>	<p>Continuous process improvement.</p>
Appearance and Characteristics Circumstances	<p>Well presented and professional in approach.</p> <p>Flexible on working hours.</p>	<p>Willing and able to undertake UK and Overseas travel.</p>