

Job Description:

Systems Engineer / Senior Systems Engineer – Model Based Systems Engineering

TRIUMPH 

Department: Electrical and Electronic Systems

1. Job role overview:

To allow for the introduction of new and exciting automotive technology across our range of motorcycles, the Electrical & Electronic Systems department is looking to bring in talented, passionate, and driven engineers with specific HMI design experience to join our HMI team and support our future model development.

You will be responsible for development/updating system solution specifications for project deliverable features. You will be expected to work closely with the Model Based Systems Engineering Team, Component owners and the Integration and Validation team to ensure issues are investigated and resolved as efficiently as possible.

Report to: Team Leader / Lead Engineer – MBSE

Location: Hinckley, Leicestershire

2. Duties and Responsibilities:

- Elicit stakeholder needs to define Features
- Derive system architecture and feature behaviour following MBSE approach
- Create, update, and maintain Solution Specification documents for features/functionality
- Independently review supplier issues or questions raised by component owners or test and validation team to identify potential issues that require resolution
- Work with other teams to agree direction to resolve issues with minimum impact for project timing or cost
- Provide consideration of fault handling and diagnostics for all systems.
- Support definition of CAN and LIN bus communications.
- Identify and ensure review by appropriate stakeholders before deliverable release
- Manage tasks and workflow according to the MBSE team processes
- To undertake and assist with duties as required by your Manager.

All Engineers will be expected to deliver a subset of the below:

- Prepare effective presentations to communicate technical information to non-technical professionals.
- Review designs to find new opportunities for cost, user experience and/or quality improvements.
- Maintain traceability and evidence for all deliverable changes
- Maintain timing for deliverables
- Communicate and manage issues in a timely and professional manner

Person Specification:

Systems Engineer / Senior Systems Engineer – Model Based Systems Engineering



	Essential	Desirable
Qualifications and Attainments	BEng or MEng in Systems Engineering or equivalent. HND in relevant subject and relevant experience.	Chartered Engineer or working towards Chartered Engineer status INCOSE ASEP / CSEP
Professional Experience and Skills	<p>MBSE (Model Based Systems Engineering) experience.</p> <p>Proficient in Systems design – modelling (UML / SYSML), requirements capture / management and test case generation.</p> <p>Knowledgeable in Natural Language requirements writing.</p> <p>Experience using requirements management tools.</p> <p>Proficient in Microsoft packages including Excel, Word and Outlook. Logical architecture design methods.</p> <p>Leading and influencing others with regards to Systems Engineering best practice. (Senior Engineer)</p>	<p>Knowledge of Automotive communication standards - CAN / LIN</p> <p>Previous experience of working within an automotive / manufacturing / industrial environment.</p> <p>Experience with PREEvision</p>
Personality and Motivation	<p>Self-motivated and resilient. Flexible and adaptable.</p> <p>Able to work under pressure to tight deadlines.</p> <p>Excellent communication skills, clear and concise written and verbal skills.</p> <p>Logical approach to problem solving.</p> <p>Independent in seeking solutions and proactively interfacing with all areas of the business.</p> <p>Working in a multi-discipline team environment..</p>	Continuous process improvement.
Appearance and Characteristics	Well presented and professional in approach.	
Circumstances	Flexible on working hours.	Willing to undertake UK and Overseas travel.