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| **JOB OVERVIEW** | | | |
| **JOB TITLE** | **Electrical Engineering EDS Project Engineer** | | |
| **HEADCOUNT REFERENCE NO** | **ETL 010** | **LOCATION** | **Gaydon/Wellesbourne** |
| **ORG LEVEL 1** | **Research & Development** | **GRADE** | **9** |
| **ORG LEVEL 2** | **Electrical Engineering** | **STANDARD WORKING HOURS** | **39 – Mon-Thurs 07:30 to 16:30, Fri 07:30 to 12:30** |
| **ORG LEVEL 3** | **EE EDS & CAD** | **REPORTS TO** | **EE EDS Manager** |
| **POSITION DETAILS** | | | |
| **DEPARTMENT OVERVIEW** | The EE EDS team are responsible for specification, design and pre-production delivery of all EDS components and systems for the Electrical Engineering department, across all vehicle programmes. | | |
| **JOB PURPOSE** | Ownership of the design and development of EDS components from concept to production to meet program deliverables | | |
| **KEY DUTIES AND RESPONSIBILITIES** | * The EDS engineer will be responsible for leading the commodity team covering: Functionality, Costs, Timing, Quality, Weight, DVP status, meeting all legislative requirements and Supplier Liaison. * Manage a ‘full-service supply’ EDS supplier * Work closely with the circuit engineer to manage the circuit instructions (DT’s) and circuit changes through prototype build phases. * Component releasing and change control management. * Control engineering concerns through ECMS and report out to the line manger as part of a weekly commodity review. * Completion of DFMEA’s. * Support sub-system/supplier DFMEA reviews. * Control of Design Verification Plans and Sign off Report for owned components. * Prototype parts procurement and delivery. * Support prototype vehicle builds, and vehicle launches (supervision of build technicians and supplier). * Work closely with the Quality team and supplier to solve any problems (8D Process). * Ability to think outside the box and generate new and better solutions for EDS. * Ensure latest materials and technology are kept up to date and implemented at the earliest possible opportunity. * Cross functional liaison is essential working with: Manufacturing, Purchasing, Service, Quality, Logistics, Program Teams, Prototype Operations, and Legislation. * Release of 3D and 2D detail designs/drawings, including maintenance of Team Centre Digital bucks, to AML standard. * Attend design reviews & package meetings where required. | | |
| **MANAGEMENT BREADTH** | Must be able to self-manage large workloads in a high-pressure environment and prioritise accordingly | | |
| **RELATIONSHIPS** | Builds positive and constructive relationships at all levels and with stake holders, and is aware of others’ needs and uses this to work well together | | |
| **BUDGETARY ACCOUNTABILITY** | Management of supplier D&D, tooling and piece cost budgets | | |
| **PROBLEM SOLVING & ACCOUNTABILITY** | This role is required to be autonomous, but with the support and guidance of the management team for items that require escalation. Reporting will be daily/weekly into programme forums as well as weekly 1:1’s, as required. | | |
| **CONSTRAINTS** | The post-holder will be required to comply with all policies and procedures issued by and on behalf of Aston Martin Lagonda Ltd | | |
| **CAREER PROGRESSION OPPORTUNIES** |  | | |
| **ADDITIONAL REQUIREMENTS** |  | | |
| **EXPERIENCE & QUALIFICATIONS** | | | |
| **ESSENTIAL EXPERIENCE** | * Extensive experience in automotive EDS design, development and manufacture. * Good experience and knowledge of vehicle electrical systems and components * Previous experience of successful vehicle EDS project delivery to through development to production. * Understanding of harnesses re-works and interrogate vehicle circuits. * Working knowledge of relevant regulations and standards * Leading DFMEA reviews * An understanding and experience of 3D and 2D (drafting) CAD. * Extensive knowledge of automotive development systems e.g. releasing, concerns, containments, gateways and sign off documentation | | |
| **PREFERRED EXPERIENCE** | * Knowledge of product development cycle from concept to launch completion * Knowledge and experience of NX and Team Centre. * Experience of automotive pre-production build environments * Experience of working in a cross functional team to tackle complex issue resolution | | |
| **ESSENTIAL EDUCATION / QUALIFICATIONS** | Appropriate engineering degree | | |
| **PREFERRED EDUCATION / QUALIFICATIONS** | Professional accreditation, Masters degree | | |
| **REQUIRED  SKILLS / BEHAVIOURS** | * Team player & able to collaborate with others * Good problem-solving skills * Analytical mindset and critical thinking to analyse data from supplier testing etc. and provide timely solutions when required * Builds positive and constructive relationships and is aware of others’ needs and uses this to work well together * Works effectively with others to achieve goals e.g. recognises how different contributions and ways of working led to success * A flexible attitude to the range of systems is required and the ability to support multiple programmes with demanding time constraints. * Proactively notices emerging issues and seeks to address customer concerns. * Excellent time management and autonomous working required. * Proficient IT skills with the ability to generate metrics through Excel spreadsheet management. * Manage a large workload in a high-pressure environment * Must be proactive and trust their initiative using minimum supervision to produce practical solutions. * Demonstrates Aston Martin Values:   + Unity – Stronger together   + Openness – Listen, and you will see   + Trust – Believe in the team   + Ownership – Take responsibility   + Courage – Towards greater things | | |
| **PHYSICAL REQUIREMENTS** | N/A | | |
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| **REVIEWED BY: NAME & TITLE** |  | **DATE APPROVED** |  |
| **DATE REVIEWED** |  |