|  |
| --- |
| **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 |
|  |  |  |  |
| **REVIEWED BY: NAME & TITLE** |   | **DATE APPROVED** |   |
| **DATE REVIEWED** |   |