|  |  |  |  |
| --- | --- | --- | --- |
| **JOB OVERVIEW** | | | |
| **JOB TITLE** | **Technical Lead Exhaust system (PT)** | | |
| **HEADCOUNT REFERENCE NO** | **TBD** | **LOCATION** | **Gaydon/Bietigheim** |
| **ORG LEVEL 1** | **Engineering** | **GRADE** | **E** |
| **ORG LEVEL 2** | **ICE Powertrain** | **STANDARD WORKING HOURS** | **39hrs: Mon-Thurs 07:30-16:30, Fri 07:30 to 12:30** |
| **ORG LEVEL 3** | **Drivetrain** | **REPORTS TO** | **SM Exhaust/Fuel/Air Intake Systems** |
| **POSITION DETAILS** | | | |
| **DEPARTMENT OVERVIEW** | Exhaust systems team is responsible for the specification and design of all exhaust systems and relevant components including aftertreatment, pipe routing, mufflers, thermal protection, sensors/actuators and finishers for all car platforms, from concept to production. | | |
| **JOB PURPOSE** | A self-starter and recognised expert in field, you’ll set the standard, inspire and lead the exhaust team to deliver class leading technical solutions for exhaust systems for AML’s vehicle platforms | | |
| **KEY DUTIES AND RESPONSIBILITIES** | Develop an exhaust system technology road map:   * Aligned with Aston Martin’s ICE, PHEV and BEV product strategy * To meet with requirements of the continually changing legislation landscape * Developing relationships with external technical partners, and suppliers * Influencing vehicle level technology decisions, using simulations / benchmarking / concept package studies to provide evidenced technology studies, presenting and communicating the trade-offs associated with each technology selection * Develop a cross-carline strategy for exhaust systems and components * Conduct lessons learned reviews to change and innovate the next generation of exhaust systems, achieving failure mode avoidance, design for manufacture, service & logistics requirements   Technical Delivery   * Define system level architecture, communicate and cascade component targets to the responsible Project Engineers * Final check of engineering drawings prior to Manager approval, ensuring correct application of GD&T / quality & AML drafting standards * Ensure CAD and system BOM alignment * Responsible to lead system level DFMEAs, and ensure that high quality sub-system level DFMEAs are created * Accountable to ensure DVP is in place to meet programme requirements * Lead Design Review and Data Judgement events in accordance with prototype & production engineering release schedule * Responsible for a rigorous exhaust system Final Engineering Sign-off, and together with the team you’ll robustly align all deliverables to accomplish this on time   Project Management, Communication and Leadership   * Make technical decisions and recommendations to more senior decision-makers where relevant to ensure component designs achieve performance, function, cost & timing targets * Create and manage a exhaust system commodity timing plan, compatible with the vehicle programme * Lead the wider SET (Design, Simulation, Test, Quality, Purchasing, Finance) to deliver on time and value for money exhaust system components * Be the exhaust system technical authority, and be available to make real-time decisions when required on prototype & production builds * Lead the exhaust team to solve complex problems in a high pressure environment, including late stage concern resolution * Support the Head of Function in mentoring, coaching, developing technical skills of team members   Manage a small team of engineers | | |
| **MANAGEMENT BREADTH** | Technical project leadership of cross functional exhaust system engineering teams, typically 3-4 heads, and leadership of wider business Simultaneous Engineering Team including Quality, Purchasing, and Finance. | | |
| **RELATIONSHIPS** | Internal:  Head of Powertrain / Senior Managers / Design & Mechanical Development Engineers / Programme Management / Purchasing / Finance / New Model Operations / New Model Launch / Design / Advanced Manufacturing Engineering / Vehicle Attribute / Concept & Innovation / Legislation & Certification / Legal / Prototype Operations / Sales / M, P & L / Client Services / Product Strategy & Planning / Corporate Planning / Human Resource / Facilities / IT / MarComms / Health & Safety  External:  Engineering Partners / Component Suppliers | | |
| **BUDGETARY ACCOUNTABILITY** | Responsibility for system cost estimation & delivery to target. | | |
| **PROBLEM SOLVING & ACCOUNTABILITY** | Role requires high level of creative problem solving. A strong knowledge of engineering fundamentals/problem solving techniques & organization skills are required to deliver high quality/innovative solutions to the project.  Major Concerns are to be managed with formal problem-solving techniques (8D etc) | | |
| **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** | Opportunities exist for career development within Aston Martin. | | |
| **ADDITIONAL REQUIREMENTS** | Proficient in MS-Office software (Outlook, Excel, Word, PowerPoint, Project)  Driving license preferable however, not mandatory  Ability to travel to support engineering partners & suppliers (UK & worldwide) is essential | | |
| **EXPERIENCE & QUALIFICATIONS** | | | |
| **ESSENTIAL EXPERIENCE** | * Proven experience required in delivering complex system for automotive application * Technical design knowledge using 1st principles of mechanical systems * CAD System basic knowledge - Siemens PLM TeamCentre & NX Software. * Driving optimisation with CAE techniques * Knowledge of exhaust systems DVP & its application * Knowledge of automotive product creation systems & timing * Knowledge of automotive failure mode avoidance tools & techniques * Knowledge of manufacturing tools, techniques, processes & materials * Supplier management | | |
| **PREFERRED EXPERIENCE** | * Broad knowledge of Powertrain & Vehicle engineering attributes/functions | | |
| **ESSENTIAL EDUCATION / QUALIFICATIONS** | * Mechanical Engineering degree or equivalent qualification / experience * Siemens PLM TeamCentre & NX | | |
| **PREFERRED EDUCATION / QUALIFICATIONS** | * Industry related professional body membership | | |
| **REQUIRED  SKILLS / BEHAVIOURS** | * Strong technical skills * Strong teamwork & collaboration skillset, self-motivated & able to work with minimal supervision. * Excellent verbal & written communication skills * Fluent presenter of technical information at all levels including internal senior director level & external companies * Excellent organisational skills * Excellent problem-solving skills * Accountable and responsible to deliver on commitments | | |
| **PHYSICAL REQUIREMENTS** | None | | |
|  |  |  |  |
| **REVIEWED BY: NAME & TITLE** | C Gionis HR Business Partner | **DATE APPROVED** | 30/07/2024 |
| **DATE REVIEWED** |  |