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| **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 & SafetyExternal: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 mandatoryAbility 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
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| **PREFERRED EXPERIENCE**  | * Broad knowledge of Powertrain & Vehicle engineering attributes/functions
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|  **ESSENTIAL EDUCATION / QUALIFICATIONS** | * Mechanical Engineering degree or equivalent qualification / experience
* Siemens PLM TeamCentre & NX
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| **PREFERRED EDUCATION / QUALIFICATIONS** | * Industry related professional body membership
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| **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
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| **PHYSICAL REQUIREMENTS** | None |
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| **REVIEWED BY: NAME & TITLE** |  C Gionis HR Business Partner  | **DATE APPROVED** | 30/07/2024 |
| **DATE REVIEWED** |   |