

Requisition Number:

Job Description.

HORIBA MIRA is a global provider of pioneering engineering, research and test services to the automotive, defence, aerospace and rail sectors. We work in close collaboration with vehicle manufacturers and suppliers around the world, providing comprehensive support ranging from individual product tests to turnkey engineering design, development and build programmes.

Whilst traditionally known for our vehicle test services – including over 40 major facilities and 100km of Proving Ground – HORIBA MIRA is so much more than this. Over the last ten years, we have invested heavily in the evolution of our engineering capability and in the development of MIRA Technology Park, Europe's leading mobility R&D location for developing the latest automotive technology.

The unique combination of engineering expertise, advanced testing facilities and prime location of MIRA Technology Park in the heart of the UK automotive industry, enables customers to develop and validate their technology, or vehicle, in one place.

With over 70 years' experience in developing some of the world's most iconic vehicles, our engineers utilise the latest test facilities and simulation tools to make vehicles and journeys safer, cleaner and smarter.

Title of Job:	Chief Engineer – Vehicle Engineering		
Department:	Architectures & Structures		
Grade:	Up to 6K		
Date Required:	ASAP		
Salary Range:	Competitive, based on skills and experience		
Number Required:	1		
Location:	Nuneaton		
Reason for Vacancy:	Business Growth		
Contract Type:	Permanent:	Yes	Contractor:
Responsible To:	Manager Architectures and Structures Group		
Subordinates:	None Direct		

Main Purpose of Job
Within Vehicle Engineering / Architectures & Structures group, this role has responsibility for project technical leadership from initial enquiry through to project delivery. The aim is to develop our capability in the conception and delivery of early-stage products as well as supporting more mature programmes, embracing design in the virtual domain, requirements capture, simulation, validation and physical entity creation. Key focus on chassis systems and Electrified powertrain integration for new and emerging disruptive technology companies. It will draw on the existing expertise in the Attribute Engineering,

Functional Safety and Systems Engineering, Energy Efficiency, Defence and Project Management teams with resources being provided in support.

The role requires an experienced whole vehicle engineer with a deep understanding of complex automotive projects. The creation, planning, and execution of complex project plans at a whole vehicle level for attribute delivery, and their optimal integration with all other vehicle system CoC's.

As a Chief Engineer you will be responsible for all aspects of technical delivery into projects for a wide range of customers, projects, and products. You will be responsible for ensuring the technical direction is aligned with customer expectations, budgets and timing taking these into account whilst driving the technical direction and decisions.

Acting as the main interface between the customer and MIRA you'll be required to provide direction, decisions and support customer and internal technical reviews / gateway milestones ensuring data is at the correct maturity level, presenting progress, shortfalls, risks and mitigations. There will be a high level of dependence to utilise sound engineering judgement / experience and best practice to cover gaps in information and make informed assumptions.

You will utilise a systems engineering approach within the V Model development cycle to ensure projects are delivered to the final product intent and vision, supplying oversight and direction for the in house and customer SME's to work to transitioning concepts from the virtual world into the physical, validated at all stages through the use of advanced simulation and physical testing.

Role specific:

- Creation and delivery of whole vehicle and vehicle sub-system development programmes with focus around EV powertrain, Chassis Development and possible Military projects.
- Technical Leadership for Projects and Programmes across all of Vehicle Engineering.
- Technical review of other projects within the business.
- Actively drive technical achievement against requirements within budget, time and customer expectations.
- Input to, and implementation of, the PLM processes.
- Support the development and conversion of Order Intake opportunities for the A&S and VE function in close collaboration with Commercial and Attribute colleagues, especially focused on Start-up, New Entrant industries and potentially Defence
- Customer and Engineering Service Supplier interface for all engineering aspects influenced by MIRA.
- Support our Innovation activities and Technology roadmaps to help position HORIBA MIRA's future technical direction.

General:

Working with the wider business team, build an effective and efficient delivery team to service MIRA's growing customer base:

- Supporting customer enquiries and proposal development
- Integrate with external and internal customers being the face of MIRA demonstrating our Values as well as our Capabilities.
- Project delivery to cost, time and quality
- Project governance including technical delivery
- Resource planning, control and deployment

- Local operational cost control within project
- Responsibility for local project H&S, Quality and Environmental aspects

Key Responsibilities

- Support the development of enquiries and proposal generation monitoring enquiry development through to project initiation and delivery.
- Working with the team, effectively manage the securing of appropriate resources in support of projects or corporate activities. This will include:
 - Resource planning and tracking – with PMO
 - Overall headcount and permanent/contractor ratio management
 - Performance review and feedback
 - Training and development plans if needed
 - Advancing or learning new technology
- Provide input to Project Technical Reviews
- Support development and implementation of technical capability roadmaps to include skills, tools, techniques and processes.
- Support the development of current and future Technical Specialists to ensure MIRA remains world class in key technologies.
- Help drive the on-going review and implementation of revised working practices to ensure the most effective support of programmes going forward with the appropriate balance between employer and employee demands.
- Ensure the team supports and adheres to the MIRA proposal and programme management processes including PLM and ensure all resources are trained in the relevant tools
- Health, Safety & Environmental management (e.g. legislative, standards, audit compliance and culture)
- Quality management (e.g. standards, audit compliance, KPI metrics, continuous improvement)
- Ensure all staff understand and actively follow their responsibilities in relation to H&S and Quality
- Support MIRA's engineering activities working with counter parts in other areas of the business to ensure best practise
- Support MIRA's and HORIBA's overseas offices and strategic partnerships to make best use of local resource or facilities to support commercial activity
- Work to develop a professional and supportive culture that recognises success and helps resolves issues as a team. A culture that is also fun and fair and works for the benefit of the whole of MIRA and the individual.

Essential Qualifications	Preferred Qualifications
Degree or suitable experience in Engineering related industry	- Higher degree post-graduate qualification in a related engineering discipline (relevant MSc or MEng, PhD) - Chartered Engineer and membership of an appropriate institution

Essential Experience	Preferred Experience
- Automotive development programme leadership - Vehicle test, development and validation - Management of Cost Time Quality - Attribute leadership - System engineering - Vehicle integration - Working with new / developing technologies 5+ years in a senior role	- Defence industry knowledge - OEM vehicle development - Vehicle benchmarking - Producing white papers / research studies - EV vehicle development - Chassis based project leadership - Working with or for a Start-up

Skills
- An approachable, motivational and inspiration leader. - Appetite for innovation with managed risk. - Appropriate behaviours in line with the HORIBA MIRA Values. - Excellent communication skills. - Excellent personal presentation. - Appropriate gravitas with senior and customer contacts. - The ability to communicate appropriately at all levels within the business and recognise the values of all team members, regardless of level. - A logical, transparent, fair and equitable approach. - Cultural awareness. - The role will require the strength of character to influence both the OEM / customer and the other Engineering Service Suppliers both internally and externally to ensure deliverables are met in alignment with project budgets. - Familiarity with both Automotive and Military standards, terminology, development lifecycles and expectations is a bonus. - Ability to use CAD (Catia V5 / V6) and Simulation tools (ADAMS, Altair, MATLAB) would be beneficial. - Confident enough to step beyond the comfort zone, rapidly learn new topics to a point they can challenge them and push the limits. - Practical Approach – in all aspects, from guidance and tutoring to rolling up your sleeves and getting stuck in whether that be in the workshop or delivering engineering evidence and documents. - Have Full Vehicle / Programme Experience having operated with and @ V model level for full vehicle and or System level programmes. - Be a Truly innovative thinker with an Integration approach mentality / a High-level problem solver. - The ability to confidently command the appropriate level gravitas both internally and externally.

What is the candidate likely to be doing now?
• In a similar technical leadership role in the automotive / defence or Tier 1 engineering sector recognised as being a key technical figure within and potentially outside of their employers' organisation • Chief Engineer within Automotive Consultancy / OEM • Project leadership role within a high complexity industry

Other information
• This is a customer facing role and may require travel and or working directly with customers across the globe.