

Job Description.

HORIBA MIRA, (hereafter known as 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.

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, more efficient and rewarding. Our suite of 37 major test facilities, 100km of specialised proving ground and wealth of engineering experience, combined with our expanding international presence, means we are confident that we can achieve our vision – that by 2020 every journey in the world will be positively influenced by us.

Progress towards achieving our vision has been significantly accelerated through the creation of MIRA Technology Park, Europe's largest transport technology R&D cluster. By applying our advanced engineering, test and validation capabilities to our customers' challenging programmes, we are already shaping journeys of the future.

Title of Job:	Brakes Senior Engineer OR Project Engineer		
Department:			
Grade:	4Y OR 4P		
Date Required:			
Salary Range:	As per MIRA Salary Scales		
Number Required:	1		
Location:	Nuneaton Site		
Contract Type:	Permanent:	Perm	Contractor:
Responsible To:	Team Leader		
Subordinates:	NoneFunction Group		

Main Purpose of Job

The primary objective of the role is to take ownership of the delivery of middle size braking projects, delivering MIRA's capability in the field of brakes NVH and performance. In addition:

- To develop and manage external customer and internal research projects within the brakes team and providing SME support and knowledge.
- To support commercial teams on enquiry development, project scope/approach definition, project delivery, project reporting and CI of internal process and procedures.

This role will be based at the Nuneaton site but may involve foreign travel and potentially, short term secondments for periods of time.

Key Functions

To undertake project work as the SME in a timely and cost effective manner whilst ensuring a professional interface with the customer is maintained. This includes:

- Specification of brake systems/ components/ requirements
- Brake system development and refinement
- Assessment of vehicle characteristics and liaison with electronic assistance system suppliers
- Perform legislative testing and interact with witness authorities in a professional manner
- Generation of technical reports

To support the enquiry process with appropriate technical input and represent MIRA with our customers, supporting proposal generation as required.

To be actively involved on the development of the team's capability, providing training and support to less experience team members

Other functions include:

- Undertaking internal research activities to advance industry technology and MIRA capabilities
- Test procedure development
- Presentation and technology transfer to customers
- Support of industry forums and events

Essential Qualifications	Preferred Qualifications
<ul style="list-style-type: none"> • Degree qualified in automotive or mechanical engineering or equivalent. • Driving license 	<ul style="list-style-type: none"> • Masters degree. • HGV and other vehicle licenses

Essential Experience	Preferred Experience
<ul style="list-style-type: none"> • Experience of brake development and test (including hydraulic and air systems) applying skills to a wide variety of vehicles. This should also include hybrid vehicle and EV brake systems. • Attention to detail, customer liaison skills, ability to deliver, working with overseas customers in foreign territories. 	<ul style="list-style-type: none"> • Extensive commercial or military vehicle experience. • Experience of working with and developing ABS, stability control and other related electronic assistance systems. • Knowledge of foreign languages.

What is the candidate likely to be doing now?

- Development/ test engineer working in a test house or development area of an OEM or Tier 1 parts supplier within the foundation brake systems

Other information

- Candidates who meet most but not all of the essential experience requirements may be considered for the role at a lower grade if they have the potential to develop into the role.