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.

Connected & Autonomous Vehicles (CAV) represents a major global market opportunity. To capitalise upon this opportunity, HORIBA MIRA features a team that performs cutting-edge work relating to the development, testing, safety assurance and regulation of CAVs and Advanced Driver Assistance Systems (ADAS). The purpose of this role is to support the delivery of innovative technical solutions on behalf of our clients and to develop new products and services for HORIBA MIRA. The role will include helping the company, and wider industry, meet current and future challenges relating to CAV and ADAS technology.

Title of Job:	CAV Engineer			
Department:	CAV			
Grade:	BB3 range			
Date Required:				
Salary Range:	Ref Grading Structure HM000218			
Number Required:	1			
Location:	Nuneaton			
Reason for Vacancy:	Replacement			
Contract Type:	**Permanent:**	Permanent	**Contractor:**	
Responsible To:	CAV Senior Manager			
Subordinates:	n/a			

Main Purpose of Job

- Deliver innovative methodologies that progress the current state of the art for CAV and ADAS.
- Deliver high quality engineering and consultancy to support customer requirements aligned to the delivery of robust, safe and reliable CAV technologies.
- Build effective networks within the business to support the project delivery.
- Support the development and delivery of HORIBA MIRA CAV services to satisfy customer needs for the verification and validation of their production level ADAS and automated features.

Key Functions
• Technically deliver innovative, world leading solutions to support current and future client CAV development and test requirements. • Support the technical delivery of multiple highly complex projects on time and to budget. • Work with multi-disciplinary teams to develop and exploit innovative ideas and technologies , continually seeking the most safe and efficient way to solve customer problems. • Support the creation of test methodologies for CAV and ADAS assurance, verifying requirements and validating appropriate performance. • Provide consultancy on appropriate technological solutions, such as sensor selection and assessment. • Support the development of technology demonstrators to prove out experimental concepts. Recent examples of such research include V2x communications, scenario databases, test programme automation, co-simulation and radar optimisation • Share project findings with the team • Stay abreast of relevant developments in technology, regulations and standards . • Seek opportunities to develop knowledge, skills and experience.

Essential Qualifications	Preferred Qualifications
• A relevant engineering or science degree .	• Post graduate engineering or science qualification.
Essential Experience	**Preferred Experience**
• Minimum 2 years working in the engineering profession . • Working with multi-disciplinary teams to deliver technical solutions. • Awareness of emerging CAV and ADAS technologies.	• Over 2 years working with CAV or ADAS technologies. • Experience of working upon research projects. • Experience relating to vehicle safety or testing. • Familiarity with simulation tools used for CAV/ ADAS, such as PreScan, SCANeR Studio or Carmaker. • Scripting in Python/ Matlab.

Other information
Th idea candidat fo thi rol wil b a technologis wh ca brin innovativ solution t comple problems. Qualities that we will look for in a successful candidate will include: • A keen interest in CAVs, ADAS, robotics or mechatronics. • An interest in Systems Engineering concepts. • A hands-on, can-do attitude. • Excellent problem-solving skills. • Demonstration of creative thinking and openness to new ideas. • A flexible and adaptable approach to work. • Contribute effectively in an open and collaborative team environment. • Self-starter with an ability to take ownership of objectives. • A proactive approach to continuing professional development • Potential opportunity for short duration overseas travel