

Requisition Number:

JOB DESCRIPTION

HORIBA MIRA is a world-class, independent engineering consultancy, operating in multiple locations around the world, to support vehicle manufacturers and their supply chain with cutting-edge engineering and testing expertise.

We offer full-system design, test and integration expertise to automotive, defence, rail and transport industries and also specialise in developing low carbon and autonomous and co-operative driving technologies.

At our headquarters in the Midlands, we have access to one of the most comprehensive vehicle proving grounds which boasts 93km of test tracks and over 35 world-class test facilities and laboratories. Our facilities, combined with the engineering expertise of our 600 strong team makes MIRA Technology Park Europe 's number one location for transport sector R&D.

The Engineer for our newly completed ASSURED CAV facility ecosystem will report to the Operations Manager of ASSURED CAV and help customers leverage success from our investment in these world leading facilities which enable the validation and verification of new vehicle technologies. ASSURED CAV represents a £100m investment in newly constructed high speed, urban and public road environments which will be used to validate and verify automated vehicle technologies. This role will be responsible for maximising the utilisation of the ASSURED CAV physical facilities, delivering brilliantly to ensure high customer satisfaction, whilst guaranteeing a safe test environment. The focus will be on working as part of the ASSURED CAV team, managing a range of internal and external stakeholders as well as the facility operations team to support HORIBA MIRA's global customer base.

Title of Job:	Engineer/Project Engineer – ASSURED CAV		
Department:	455 Proving Ground (ASSURED CAV Facilities)		
Grade:	3N/4N depending on experience/suitability		
Date Required:	Immediate		
Salary Range:	£24k - £35k (dependent on experience)		
Number Required:	1		
Location:	Nuneaton		
Reason for Vacancy:	New role		
Contract Type:	Permanent:	1	Contractor:
Responsible To:	Operations Manager – ASSURED CAV Facilities		
Subordinates:	None		

Main Purpose of Job
Mission of the Role <ul style="list-style-type: none"> · Deliver engineering support to the ASSURED CAV test setup team, including maintaining, expanding, and developing the tools and processes required to do so. · Help to shape the operations for the facilities, developing and delivering them to realise HORIBA MIRA's investment in this key area of the business. · Identify areas for continuous improvement and help to identify and steer future capital and operational investment to further grow and develop the ASSURED CAV offer. · Work as part of the HORIBA MIRA ASSURED CAV operations team and alongside the

test services team (both HORIBA MIRA's and our customers) to contribute to a global integrated, happy & successful function respected by other functions & the wider HORIBA group.

Technical Delivery

- Responsibility of ASSURED CAV facility equipment including test set up for key customers, e.g. 5G communication setup, façade deployment, ADAS equipment setup to specific standards etc. This includes the line painting robot, requiring the ability to use technical drawing software and to export this information into GPS coordinates for the robot to execute.
- Review risk assessments from internal and external testing customers. Create risk assessments for the facilities and equipment themselves.
- Implement leading processes and practices to guarantee the department level strategic and operational objectives are achieved. This includes creating new services and assets to continue to improve the value of the testing environment to our customers.

Facility Operations

- Ensure the facility operations optimise the scheduling of customer tests in a multi-user environment, allowing for maximised utilisation of the physical assets to ensure our customers can take full advantage of their facility time, whilst ensuring a safe test environment for all involved. This includes the management of the test assets to ensure their maintenance and usage causes the least disruption/maximum usage. This will require continual co-ordination with customers, partners, logistics and other stakeholders.

Customer & Stakeholder Management

- Respond to day-to-day customer needs and queries to ensure we deliver brilliantly.
- Support the capture of customer and partner testing requirements to optimise the facility schedule. This could include aligning customer testing so identical or similar tests can be executed on the same day across multiple users to reduce individual test set up time therefore maximising utilisation of the facility. This includes suggesting to customers the best way to use our ecosystem to improve their experience of the facility.
- Represent HORIBA MIRA in a positive manner, using your front line position as early engagement with customers to build a rapport, understand their problems and tailor practices to solve their needs. Actively contribute to increasing our customer net promoter score with your actions in delivering on customer requirements.

Team Management

- Support all of the facility operation team to achieve the objectives of delivering a successful facility.
- Contribute to a cohesive, creative and comfortable working environment, providing input and ideas where necessary.
- Lead by example, fostering a culture that supports the maintenance/contribution to all operational processes and procedures that have been implemented.
- Uphold excellent safety standards, ensuring that all activities undertaken by the team are underpinned by safe operations.
- Train new and existing team members in the usage of ASSURED CAV facility equipment and processes.

Core Competencies Required:

- **Technical comprehension:** Understand the customers testing, legislation requirements and relevant technology to ensure the solutions offered are appropriate for the goals of that activity and that it can be done safely (This includes traditional attribute testing as well as ADAS and CAV technologies).
- **Organisation & Planning:** Able to visualise, organise, plan and execute the operation of the facility to maximise the use of the asset. Someone who demonstrates efficiency,

prioritises, and remains focussed, independently plans resources effectively and escalates issues appropriately.

- **Motivational:** Able to communicate the big picture to the team, empower individuals to take responsibility and achieve successful operation of the ASSURED CAV ecosystem.
- **Continuous Improvement:** Seeks to evaluate procedures and practices with an enquiring and constructive approach, able to uncover and pinpoint real problems and identify new ways of working to ensure the best operational performance is achieved.
- **Entrepreneurial:** Can help to identify business opportunities and products which can support in the delivery and efficiency of the facilities.
- **Communication:** Good speaking and listening skills – lets others speak & seeks to understand their points of view. Speaks and writes clearly and articulately to manage the team as well as provide confidence and assurance in customer groups.
- **Resilient & Composed:** maintains stable performance when faced with heavy work load, high stakes opportunities and multiple stakeholders.

Core Values Required:

- **Drive and Ambition:** Possesses a strong willingness to work hard to position ASSURED CAV as the world leading autonomous vehicle facility, challenges and inspires others, and enjoys the journey.
- **Progressive and Empowering:** Open minded, encourages everyone to make a contribution with energy and enthusiasm.
- **Passionate Team:** Exhibits passion and excitement over work; has a can-do attitude.
- **Innovative:** Works in a flexible and agile way to find smarter solutions to customer's problems.
- Willing to innovate & be adventurous in our approaches and technology when delivering our facilities to customers and partners.

Key Functions

- Deliver test setup, test support, contractor liaison, facility improvements and overall service offering development.
- Setup and configuration of physical and digital test assets (configure and deploy line painting robot to dynamics and ADAS requirements, recreating scenarios using combinations of facades (movable buildings), road markings and roadside furniture/features etc.)
- Assist Operations Manager in customer liaison, test scheduling and planning
- Working knowledge of relevant standards/regulations and test methodology (taking customer test requirements and delivering to the required specification)
- Understanding and documenting of pre-test requirements - measurements, photos etc.
- Use of scheduling software for planning, project records, test scheduling etc.
- Compiling small proposals/ prices with BDM support. Compiling reports where required
- Assist with ASSURED CAV procedures, Health & Safety, competency records and Continuous Improvement
- Customer liaison, including planning, setup & removal of customer installations, test day supervision and data provision (as appropriate)

Essential Qualifications

- Engineering/Science qualification or equivalent through experience

Preferred Qualifications

- Engineering Degree or equivalent related subject

Essential Experience

- Knowledge of vehicle test or rig setup
- Direct customer interaction
- Planning/operational skills

Preferred Experience

- Vehicle development and testing
- Connected and Autonomous Vehicle technologies
- Interacting with Proving Ground(s)
- Speaking foreign languages

What is the candidate likely to be doing now?

- Post – graduate working in a test, development, or research environment
- Operational support activities (PM, H&S, Customer Services etc.)

Other information

- Good timekeeping
- Professional and helpful manner in front of customers
- Ability to learn new skills quickly and be receptive to skills being taught.
- Ability to work on own initiative as well as within a team.
- Capable of physical work and in good health
- Ability to work outside in all weathers with appropriate PPE
- Working directly alongside senior customer personnel on site i.e. Directors
- Think outside the box to contribute to developing unique tests for specialist product tests
- Enjoy varied working tasks and environments (varied mixture of office and proving ground based tasks)