



Active & Passive Safety

Testing and Engineering Services





We provide the ADAS testing quality and capacity needed to deliver our customer's demands.

Delivering GSR2

As technology and legislation surrounding driver assistance and vehicle automation technology becomes increasingly complex, you need to be sure that your vehicles and their systems comply with the relevant international regulations and standards.

Our Accreditations



RDW



1105

M1 & N1 Category Vehicle

Emergency Stop Signal (ESS)
Emergency Lane Keep Assist (ELKS)
Driver Drowsiness and Attention Warning (DDR-AW)
Advanced Emergency Braking Systems (AEBS)
Intelligent Speed Assistance (ISA)
Reversing Detection System (REV)
Event Data Recorder (EDR)
Driver Availability Monitor (DAMS)

From '22, EU Type Approval

AEBS for cyclists
& pedestrians

Advanced Driver
Assistance Warning
(ADDW)

ELKS for vehicles
equipped with
hydraulic PAS



Commercial Vehicle

Emergency Stop Signal (ESS)
Emergency Lane Keep Assist (ELKS)
Driver Drowsiness and Attention Warning (DDR-AW)
Advanced Emergency Braking Systems (AEBS)
Intelligent Speed Assistance (ISA)
Reversing Detection System (REV)
Event Data Recorder (EDR)
Driver Availability Monitor (DAMS)

From '22, EU Type Approval

Advanced Driver
Distraction Warning
(ADDW)



ADAS Testing

Passenger Cars and Vans



Leading the future of autonomous driving

We're leading a number of areas in the field of ADAS and autonomous driving. Our key services supporting systems and vehicle manufacturers are:

Scenario Coverage, which analyses your mileage accumulation data to quantify the observed performance of your system against all possible real world encounters.

Trucks



ADAS Robustness, to ensure that ADAS systems deliver the benefits on the roads that you witness on track.

SOTIF, where we're on the working group and have written much of the SOTIF standard. We also continue to develop advanced processes to deliver AREA 2 and AREA 3.

Safety Case, which is a structured body of evidence needed by UK Government, and other international regulatory authorities, that demonstrates an autonomous vehicle is 'safe' for deployment onto the public highway.

Facilities



ASSURED CAV
H I G H W A Y

A completely level facility with a 300m diameter dynamic platform, allowing vehicles to be tested at the limit of controllability, with fully configurable lane and junction markings.



ASSURED CAV
C I T Y

A fully controllable and configurable, connected urban and sub-urban driving environment. With a mix of urban junction types and street furniture frequently experienced in cities.



ASSURED CAV
P A R K I N G

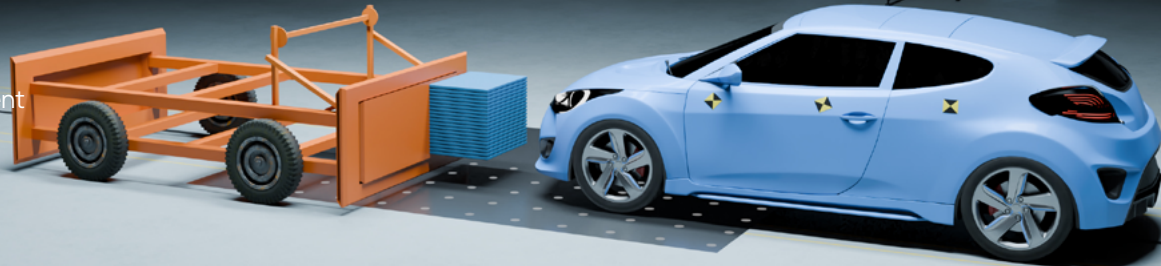
A dedicated multi-storey car park located within ASSURED CITY, replicating real-world situations to support the development of self-parking solutions.

Passive Safety

We provide turnkey testing and engineering solutions for EU, US and other worldwide legislative standards and consumer protocols.

Key features

- UKAS 17025 accredited lab for EU, US, ADR, TRIAS standards and more
- Full development and homologation test capabilities
- Significant experience in PHEV and EV testing
- eCall test capabilities
- Extensive test management and project management services



Facilities



Car-to-car fully enclosed
Crash Laboratory



Highway Safety and
Protection of Infrastructure
Test Centre



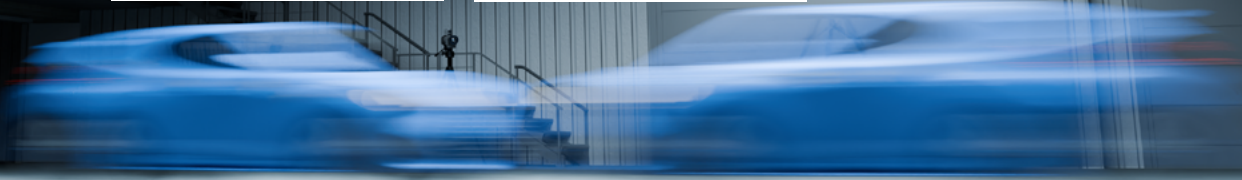
HyGe Laboratory



Pedestrian Protection Lab



Non-destructive
Vehicle Rollover Facility
with tuneable pulses





A HORIBA COMPANY

MIRA

Contact Us



Active Safety

Lee Thompson

Technical Sales Manager - CAV & ADAS

+44 (0)24 7635 5341

+44 (0)7584 515274

lee.thompson@horiba-mira.com



Passive Safety

Sam Eccles

Technical Sales Lead - Passive Safety

+44 (0)24 7635 8101

+44 (0)7934 292899

sam.eccles@horiba-mira.com

www.horiba-mira.com