

An end-to-end digital tool-chain for vehicle development

Case study overview

ViVID was a collaborative research project between Ford, HORIBA MIRA, IPG, Loughborough University and the Institute of Digital Engineering to develop digital toolchains for vehicle engineering.

HORIBA MIRA's role was to develop and implement end-to-end methodologies for modelling drivability, ADAS functionality and Real-Driving Emissions (RDE) and bringing them together in a driving simulator.

Engineering team deployed: Up to 15 consultants at HORIBA MIRA's facility in Nuneaton

This model-based approach enables manufacturers and suppliers to scale back their reliance on physical prototyping. It helps to accelerate the development process, saving time and money, as well as reducing the environmental impact associated with building, transporting and testing physical prototypes. It also allows informed decisions to be made much earlier on in the development stage.

