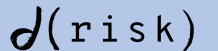


Simulation's role in building public trust in future CAM deployment

Colin Maltby – Solihull MBC



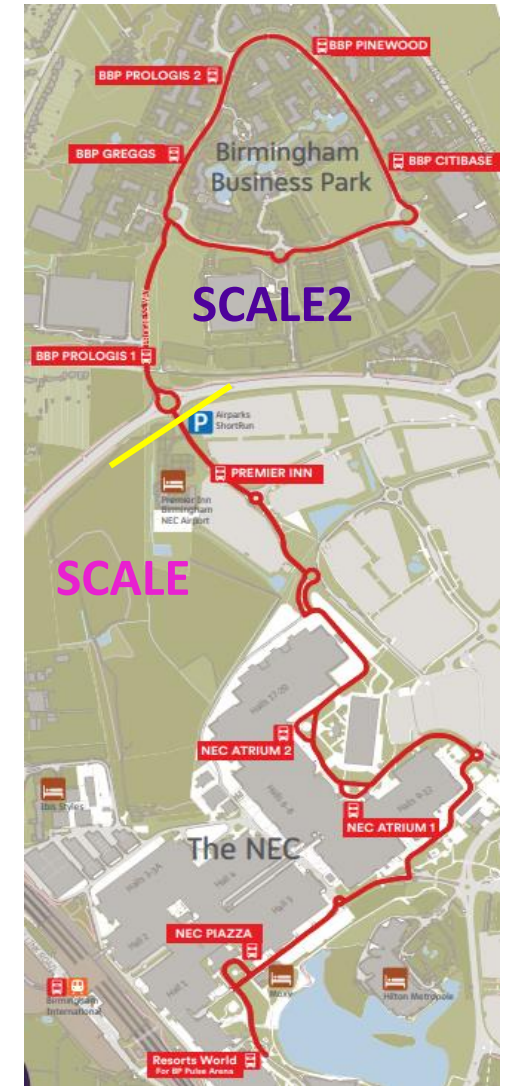
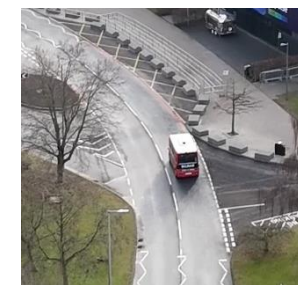
This project has been part funded and supported by the UK Centre for Connected Automated Vehicles



Feb 2023 – Mar 2026. £6.9m project. Led by SMBC.
One of six deployment pathfinder projects in UK.

Objectives:

- Provide a new 'last mile' commuter link between Birmingham International rail station and Birmingham Business Park, via the NEC.
- Utilise three fully automated Ohmio shuttle buses.
- Post set-up, handover to Public Transport operator.
- Encourage commuters out of cars and on to public transport.

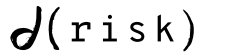




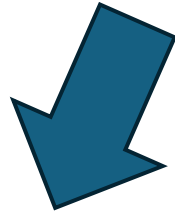


Self-driving shuttle buses to launch on key Birmingham transport hub and Solihull route

Driverless buses are to be trialled on a 7km route linking up Birmingham International Railway Station, the NEC and Birmingham Business Park



Simulation's role in building public trust in
future CAM deployment?



Stakeholder
Engagement

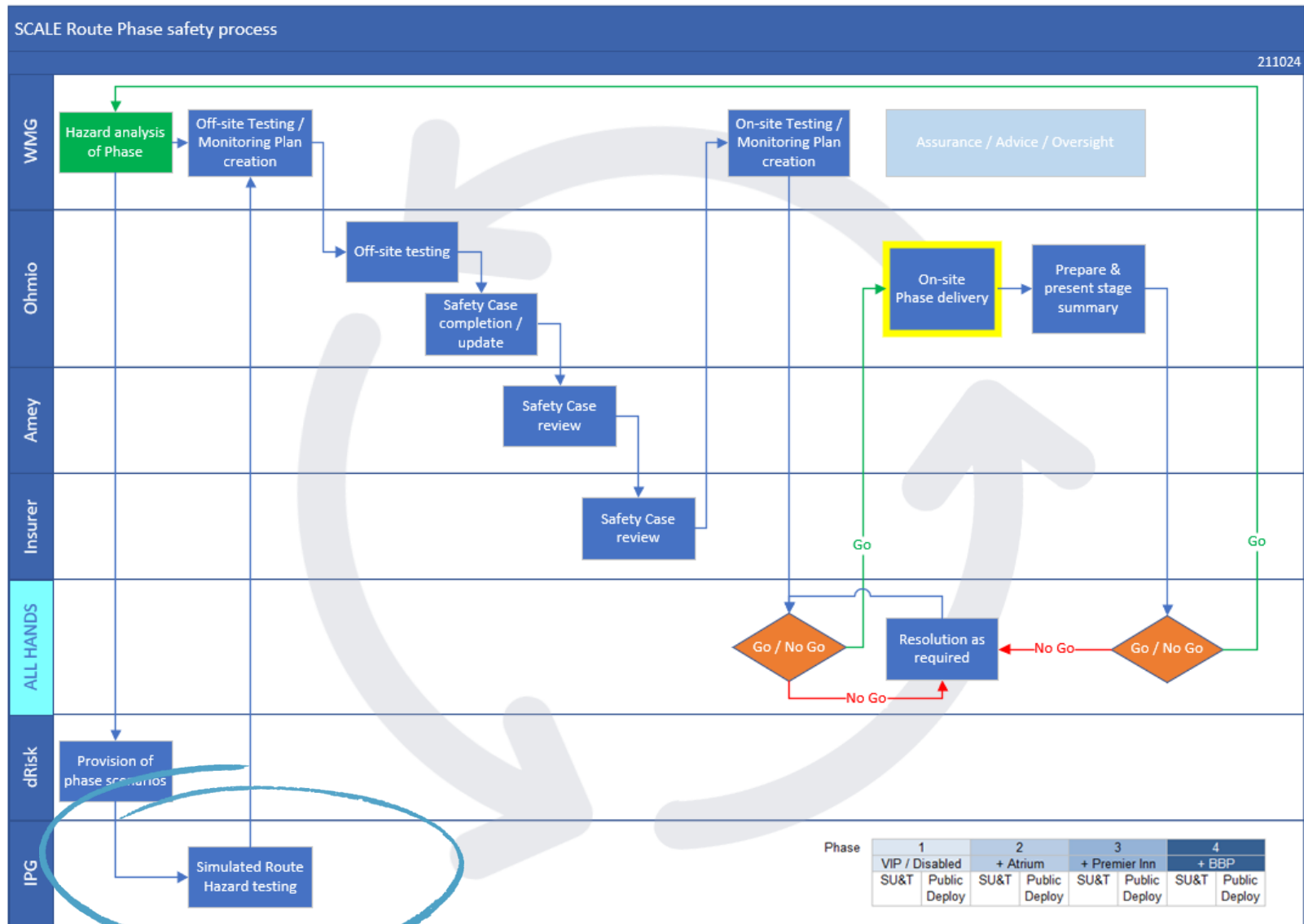


Making
Deployments
Safer

Stakeholder Engagement

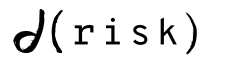
“Trust Us” v





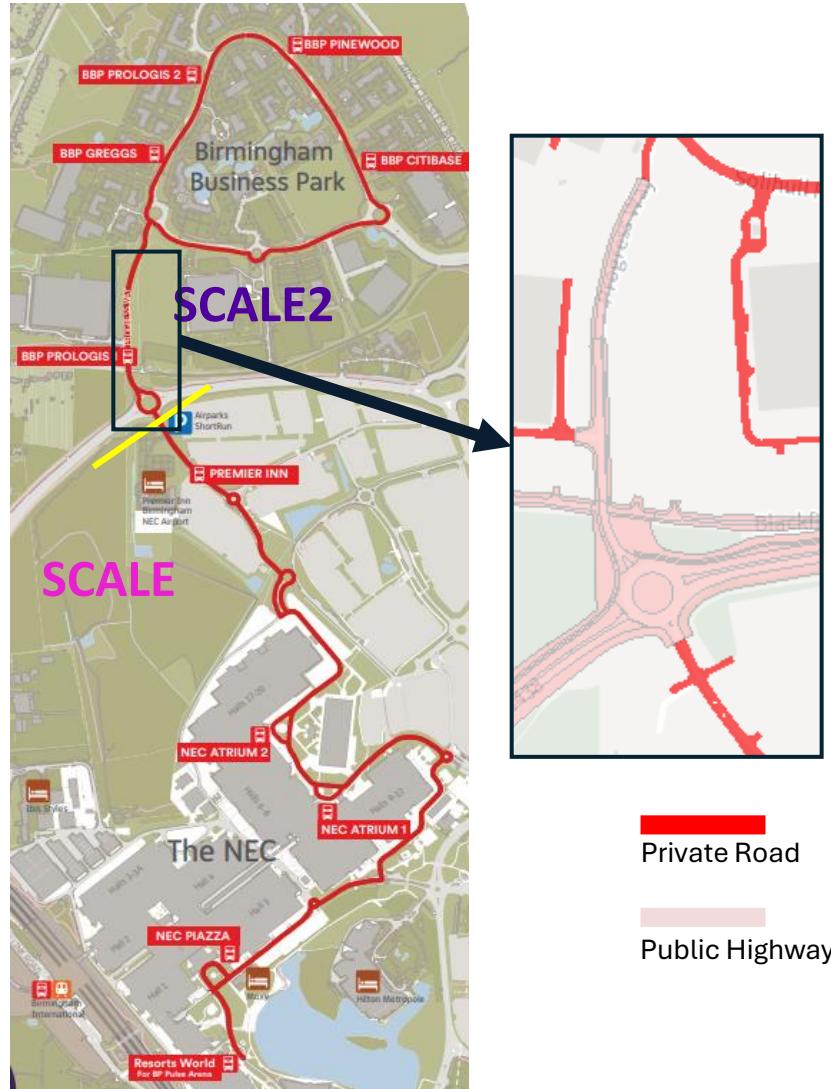


SCALE

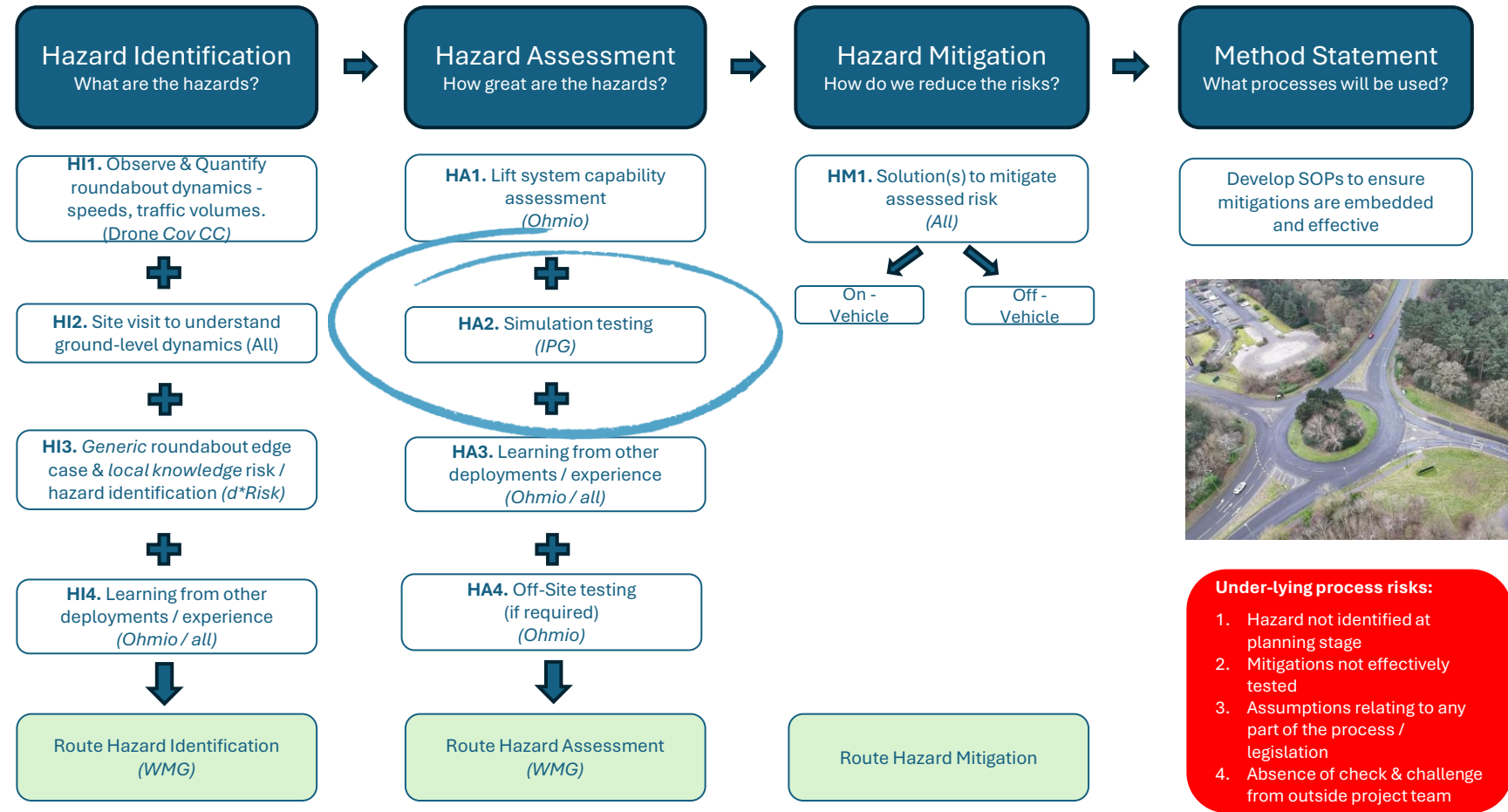


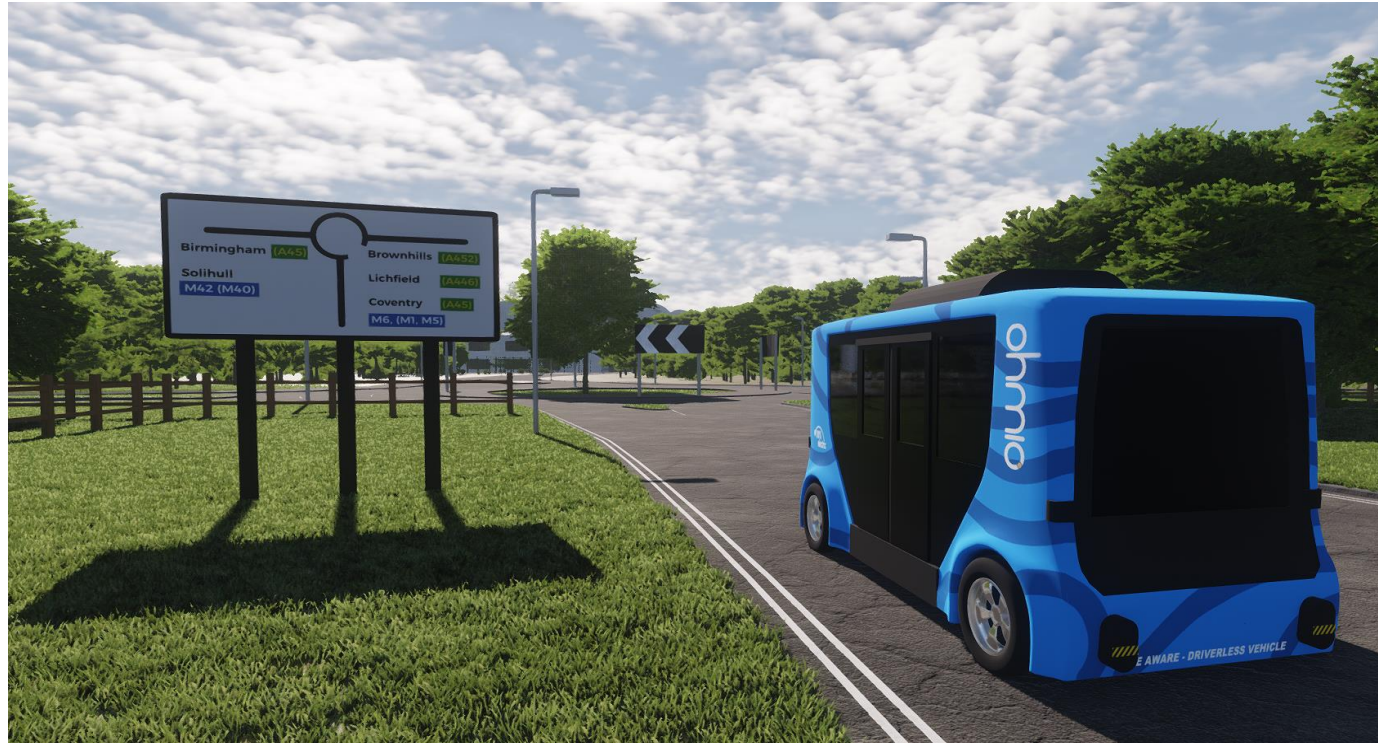
Making Deployments Safer

Risk Ref. No.	Risk Owner (Org)	Title / Short Risk Event Description	Risk Cause	Date Raised	Initial Unmitigated Rating			Risk Impact Description (what might happen if not managed)
					Likelihood 1=HU - 5=HL	Impact Severity 1=VL - 5=VH	Risk Score	
23	Ohmio	Inability to safely cross 40mph public highway roundabout between NEC and BBP	Risk is outside of ODD parameters that Ohmio are able to accept.	12/01/2024	3	5	15	Unable to complete end-to-end route, and therefore undermines route use case

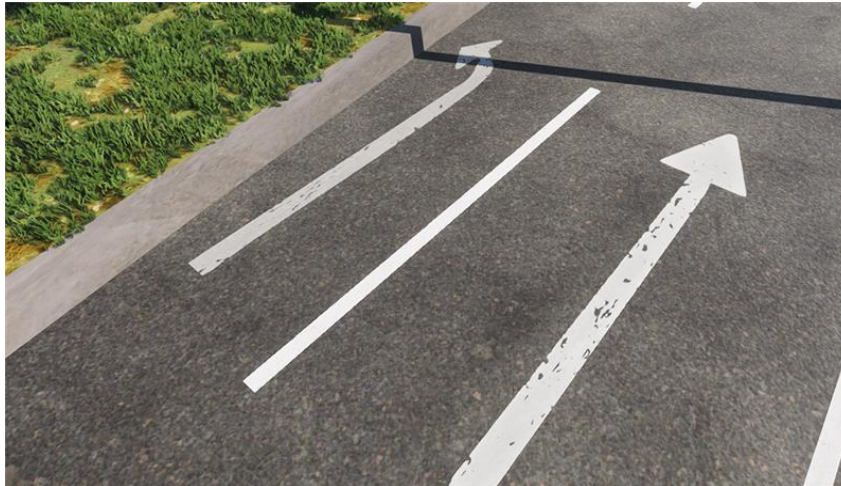


Bickenhill Parkway Roundabout Hazard Management Process

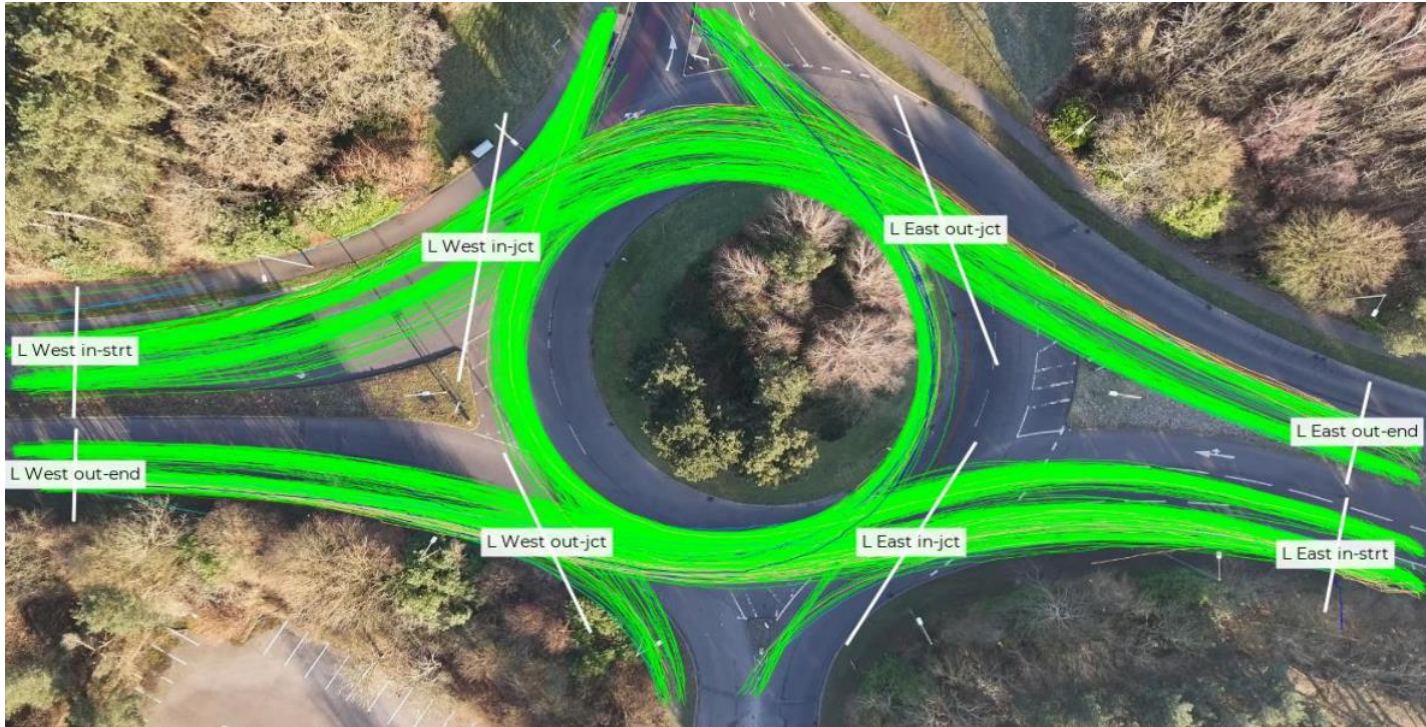




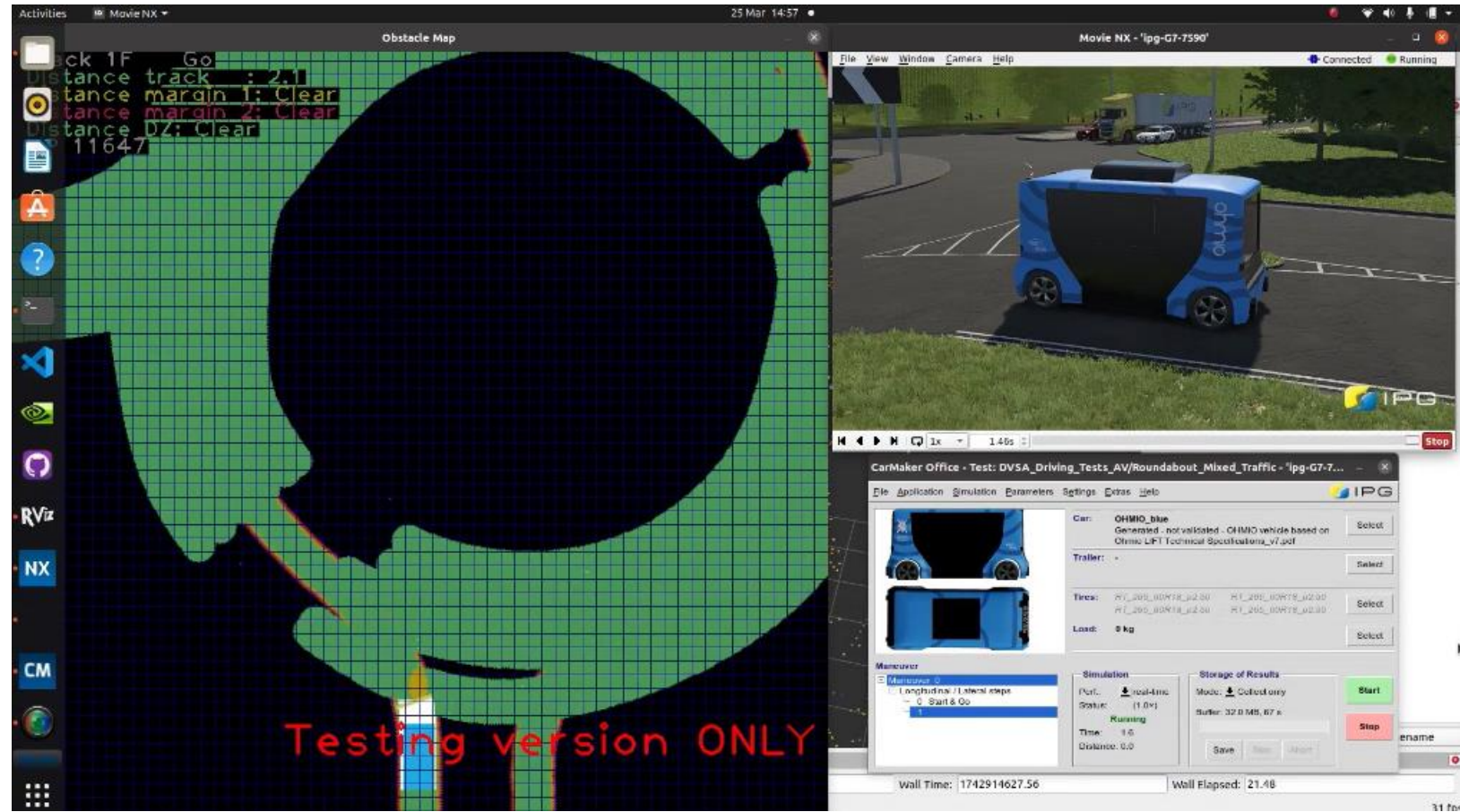
Bickenhill Roundabout



Collecting Route Dynamics



Count
Direction
Speed
Vehicle type





Summary:

1. We consider simulation a crucial part in demonstrating AV capability and readiness
2. Open, transparent simulation testing goes a long way to providing assurance to stakeholders
3. SCALE is demonstrating how to incorporate it into early pilots and trials