

# Preparing for Autonomous Mobility

## TRL's Smart Mobility Lab in London

2025

WARNING  
FLOW PLATES  
MAX SPEED  
5MPH

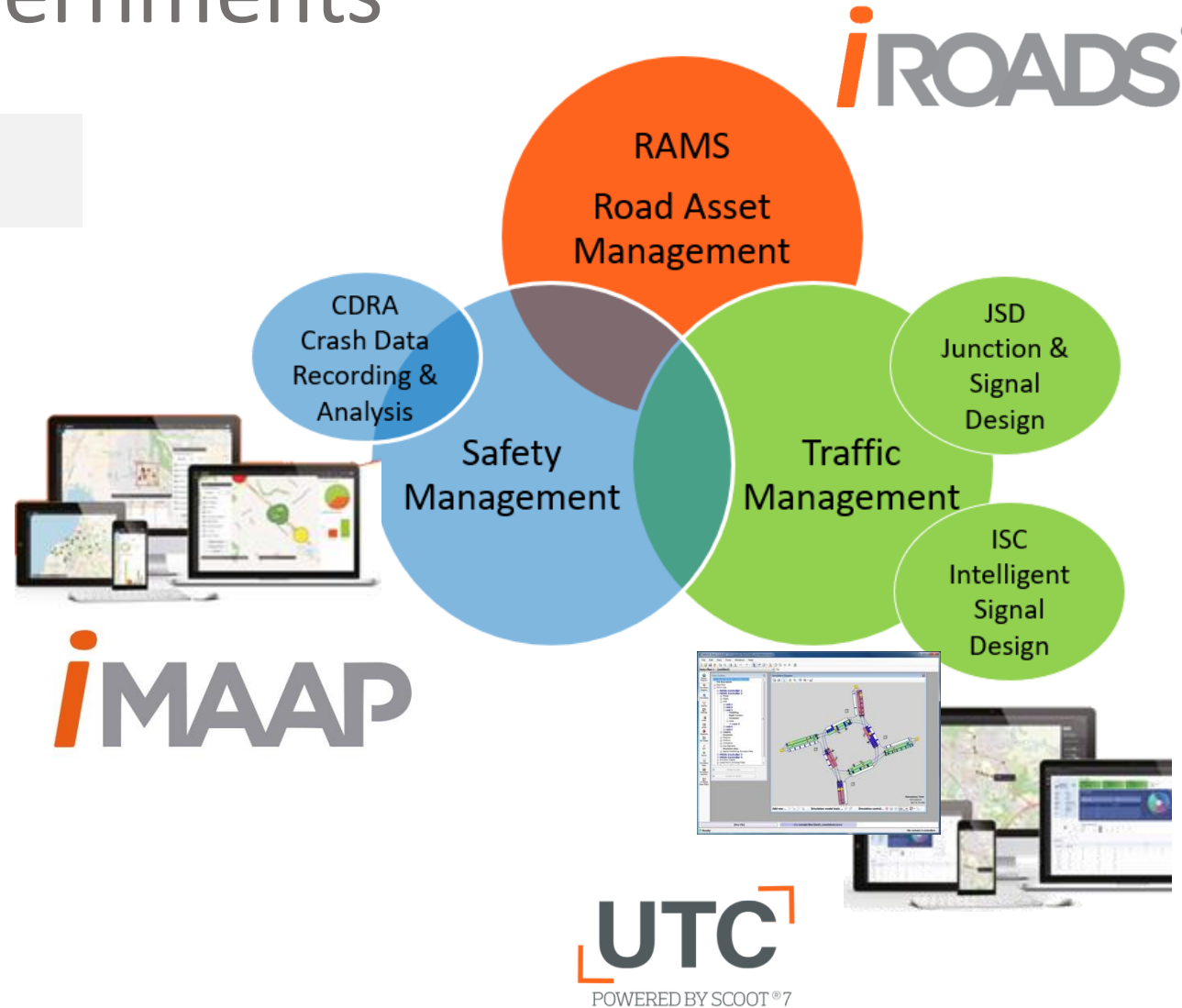
Commercial in confidence

Long history of transport innovation  
Trusted advisor to governments

90 years of innovation

**Pioneering Road  
Safety, Design  
and Maintenance**

**Expertise supports extensive  
software portfolio**



# 90 years of impactful innovation

1933  
Road Research  
Laboratory  
established



1950's/70's  
The UK Motorway  
network



1979  
SCOOT



1997  
NCAP launched



1996  
TRL privatized as  
social enterprise

**TRL**

1969  
The self-driving  
Citroën DS19



1949  
Zebra crossing



2012  
London Summer  
Olympics



2020  
London Smart  
Mobility Living Lab



2015  
Gateway  
driverless  
shuttles



2021  
HGV Truck  
Platooning  
(HelmUK)



2021-2025  
iROADS & iMAAP  
in UK, Europe and  
Asia



2016  
Electric double  
decker bus



2020 - 2023  
General Safety  
Regulations



2022  
Micro-mobility  
safety



2022-2025  
Asia and Africa  
Safety/Asset  
programmes

**TRL**

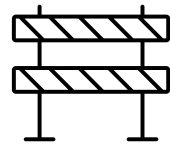
# SMART MOBILITY LIVING LAB: PUBLIC ROAD TESTBED

**24** km of routes, **200+** monitored and instrumented locations



## Environments

Varying road types, condition, & landscapes



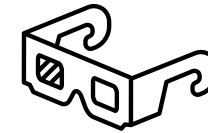
## Use cases

Stopped vehicles, wrong-way driving, & more



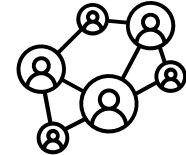
## Feature rich

Complex junctions; range of infrastructure types



## Behaviours

Real people, doing real things, in real places



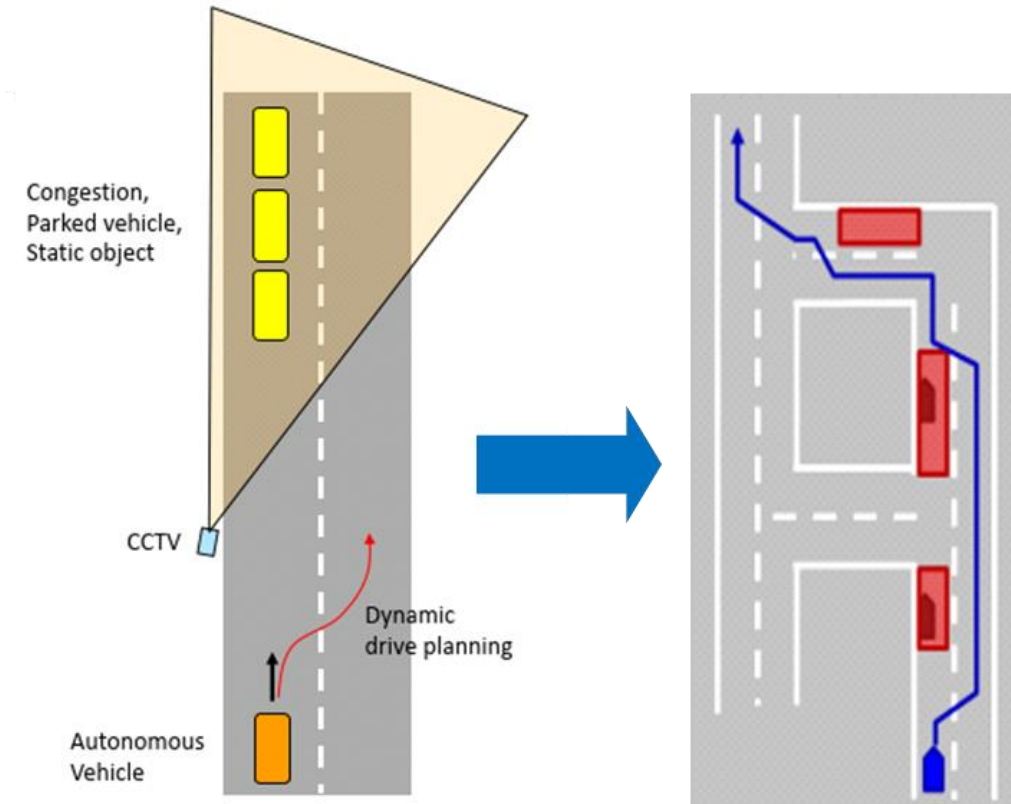
## Communities

Connecting with end users and places

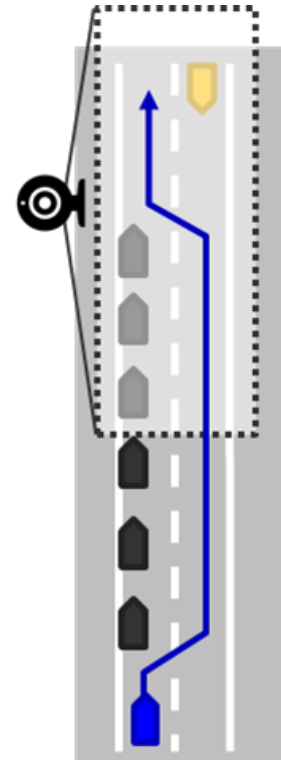
# Infrastructure to Vehicle - use cases

## Exploring greater value

### Lane level route planning



### Limited sight lines



### Signal control

