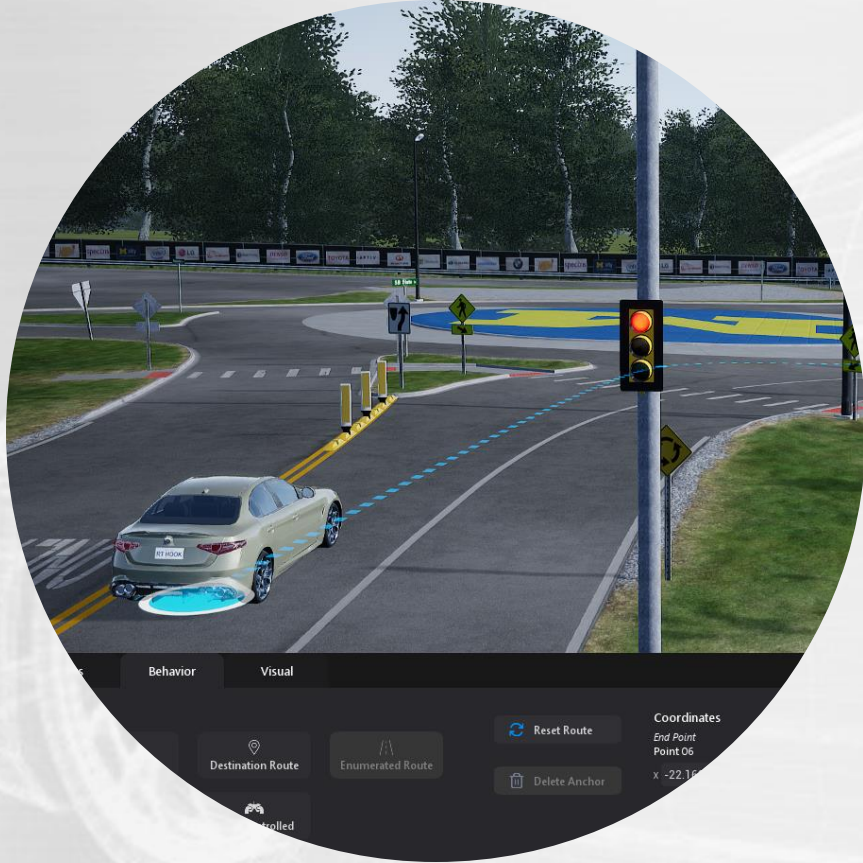




INTRODUCING VI-WORLDSIM  
A HIGH RESOLUTION GRAPHIC  
ENVIRONMENT FOR  
ACCELERATED  
VEHICLE DEVELOPMENT







## FULLY INTEGRATED

- VI-WorldSim is seamlessly integrated with other VI-Grade tools and popular industry standards (Simulink, RoadRunner, ROS, DriveWorks)



## EASY TO USE

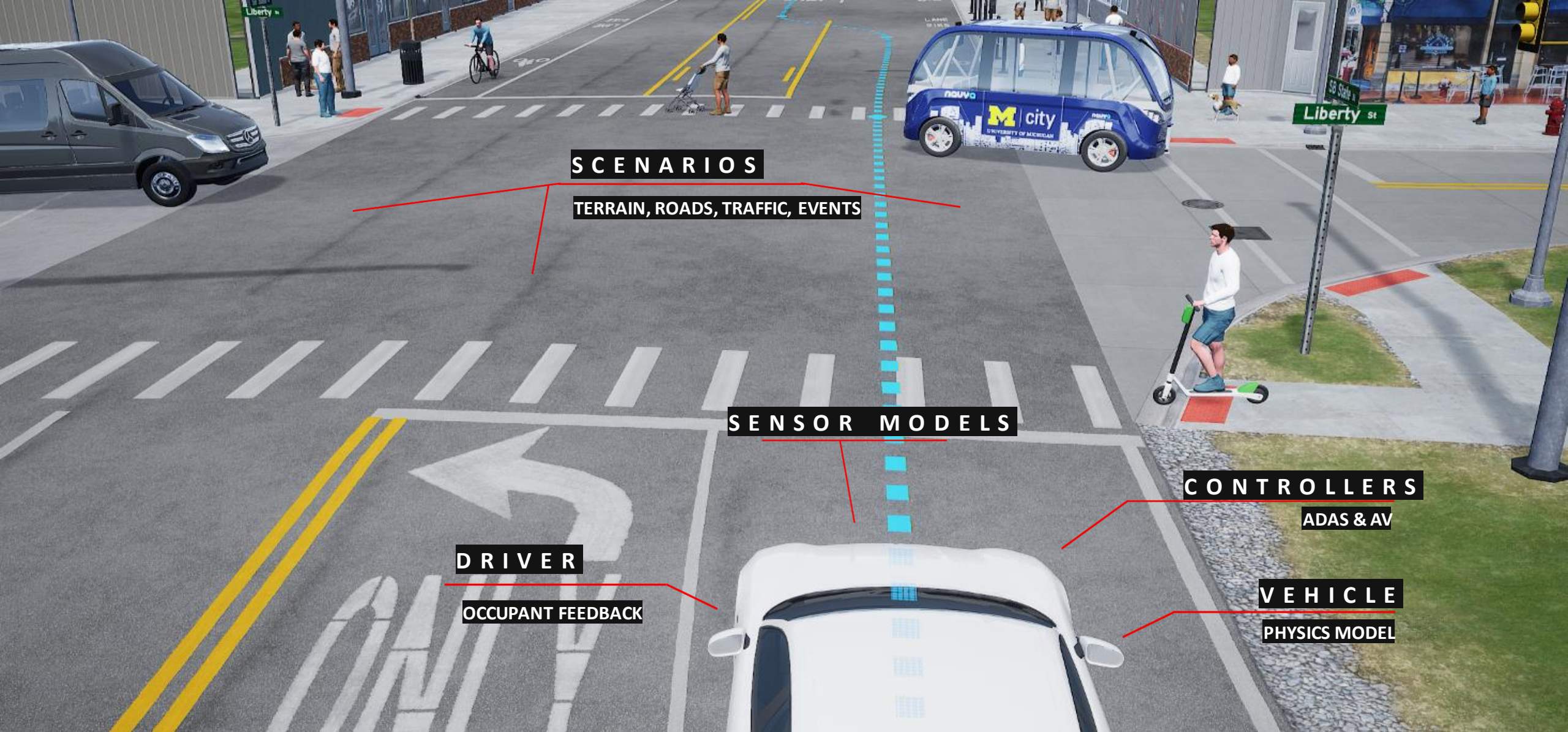
- DESKTOP Editor requires no programming knowledge to build rich, realistic and interactive scenarios.



## HI-QUALITY GRAPHICS

- Based on Unreal Engine (Open Source) which allows customers and partners to develop extensions.





**SCENARIOS**

**TERRAIN, ROADS, TRAFFIC, EVENTS**

**SENSOR MODELS**

**CONTROLLERS**

**ADAS & AV**

**VEHICLE**

**PHYSICS MODEL**

**DRIVER**

**OCCUPANT FEEDBACK**

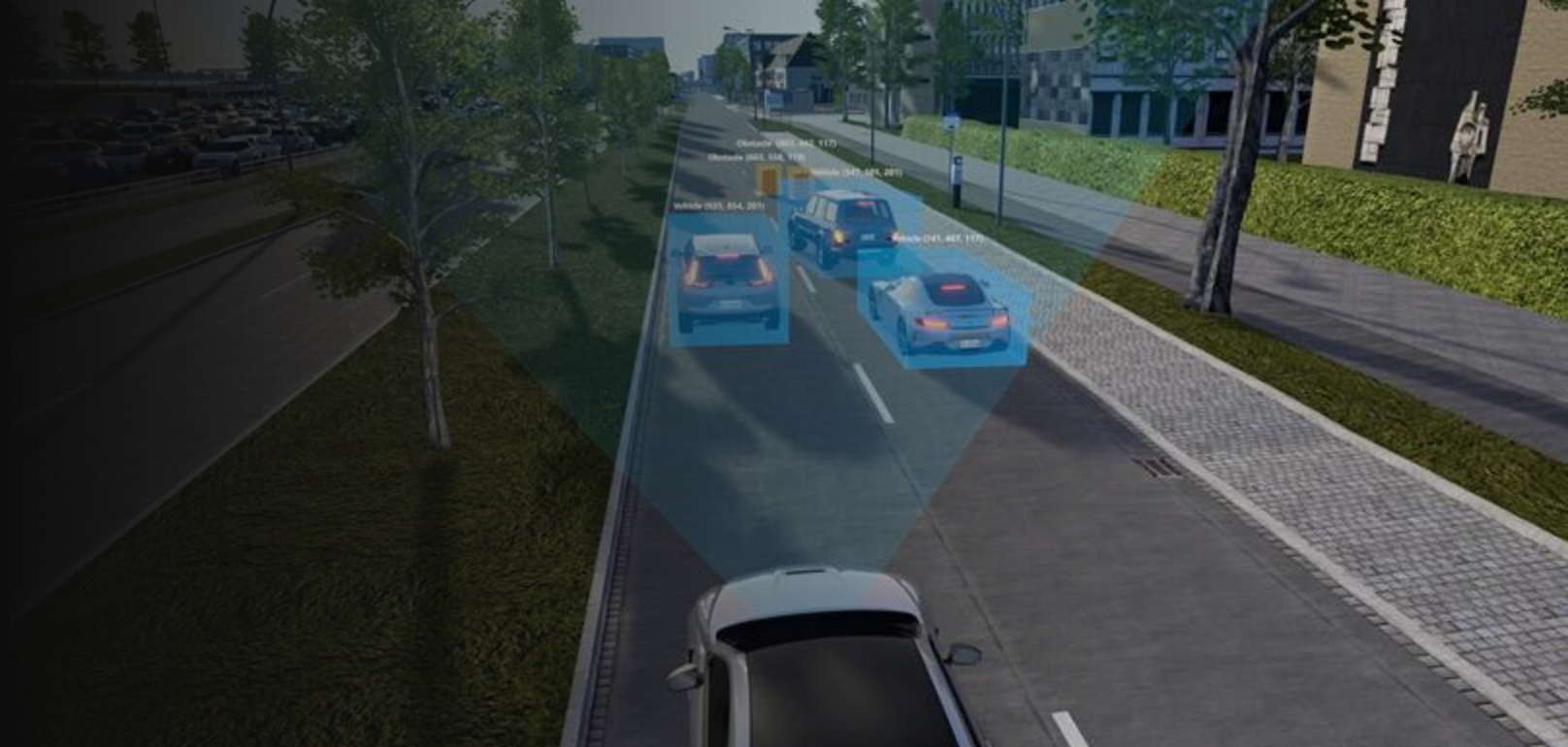
**VI-WORLDSIM SOFTWARE ENVIRONMENT**



# Object Sensor

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# Lane Sensor

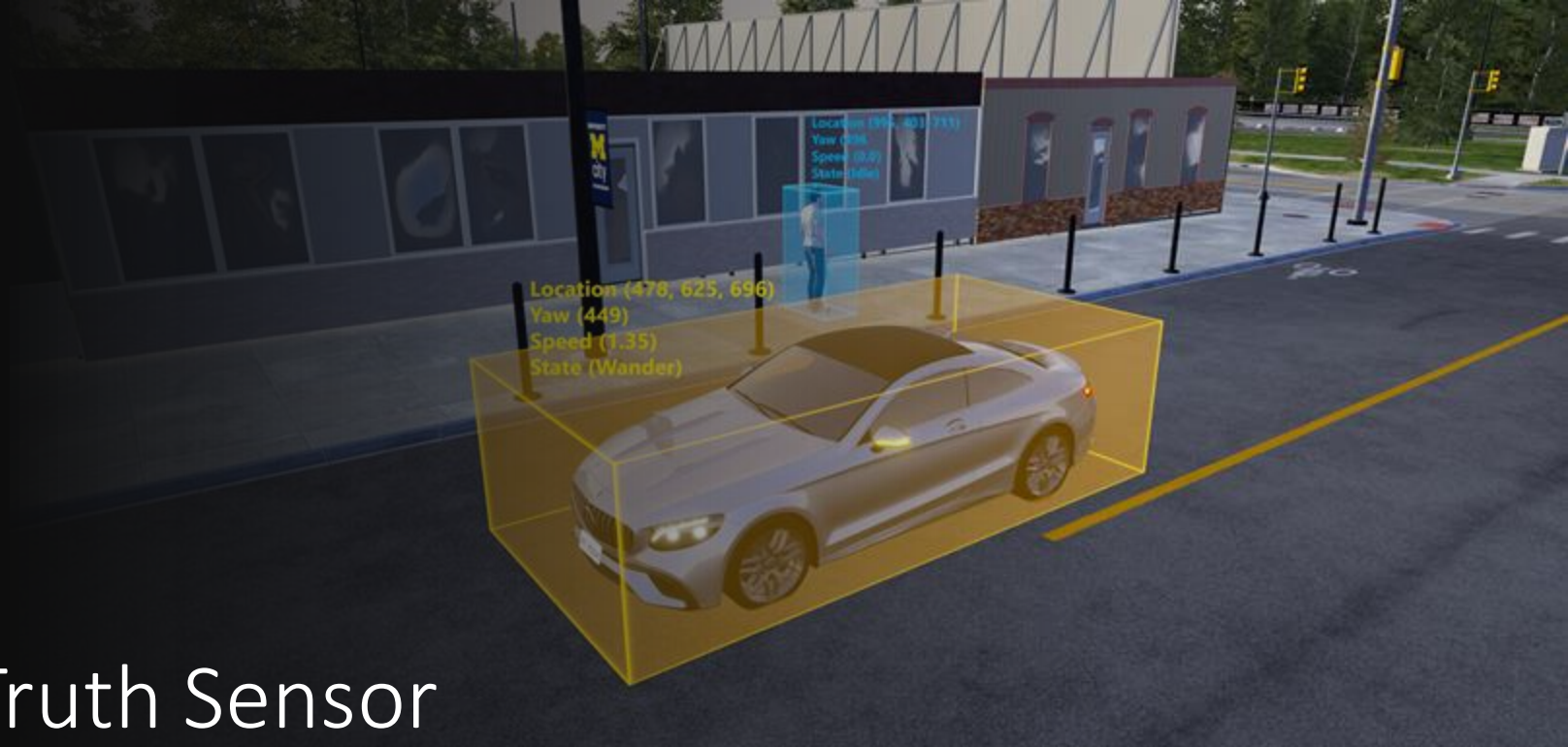




# Sign / Signal Sensor Collision Sensor







## Real Time Ground Truth Sensor Enhanced Free Space Sensor

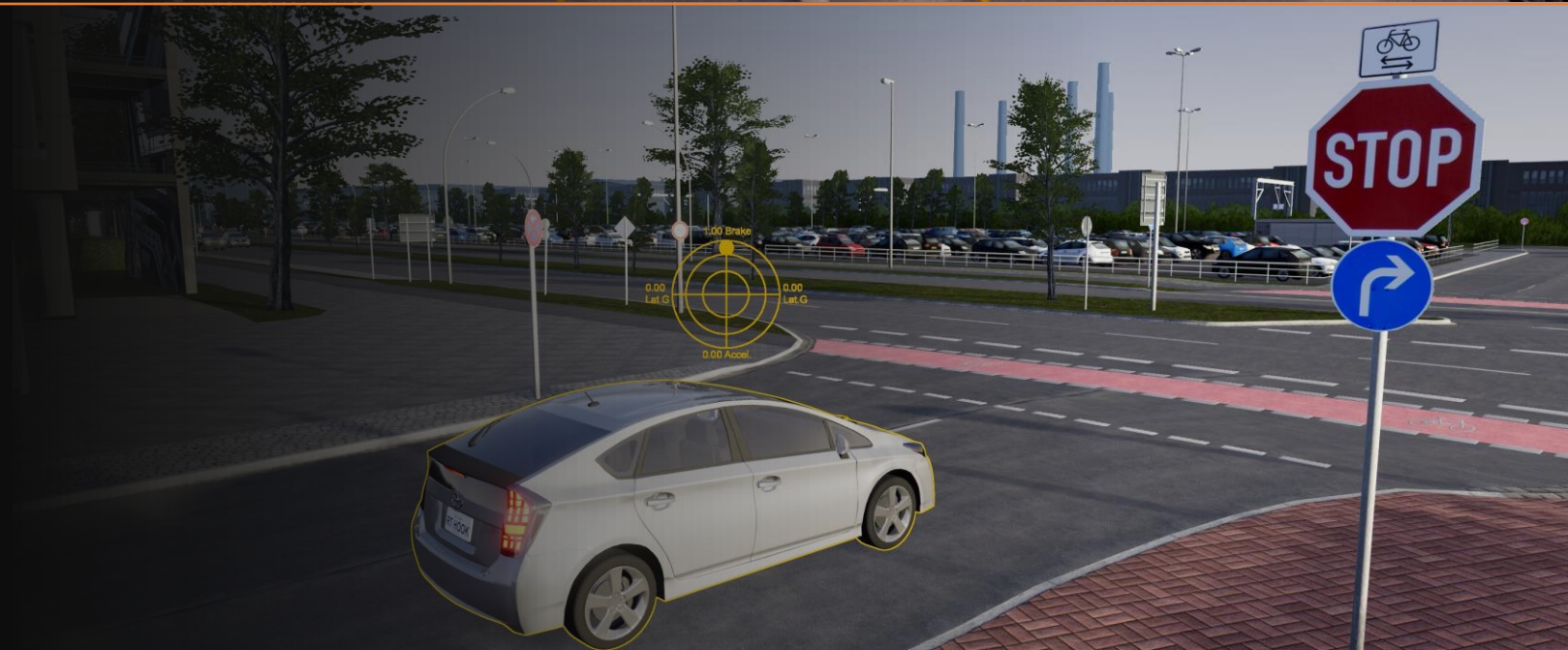
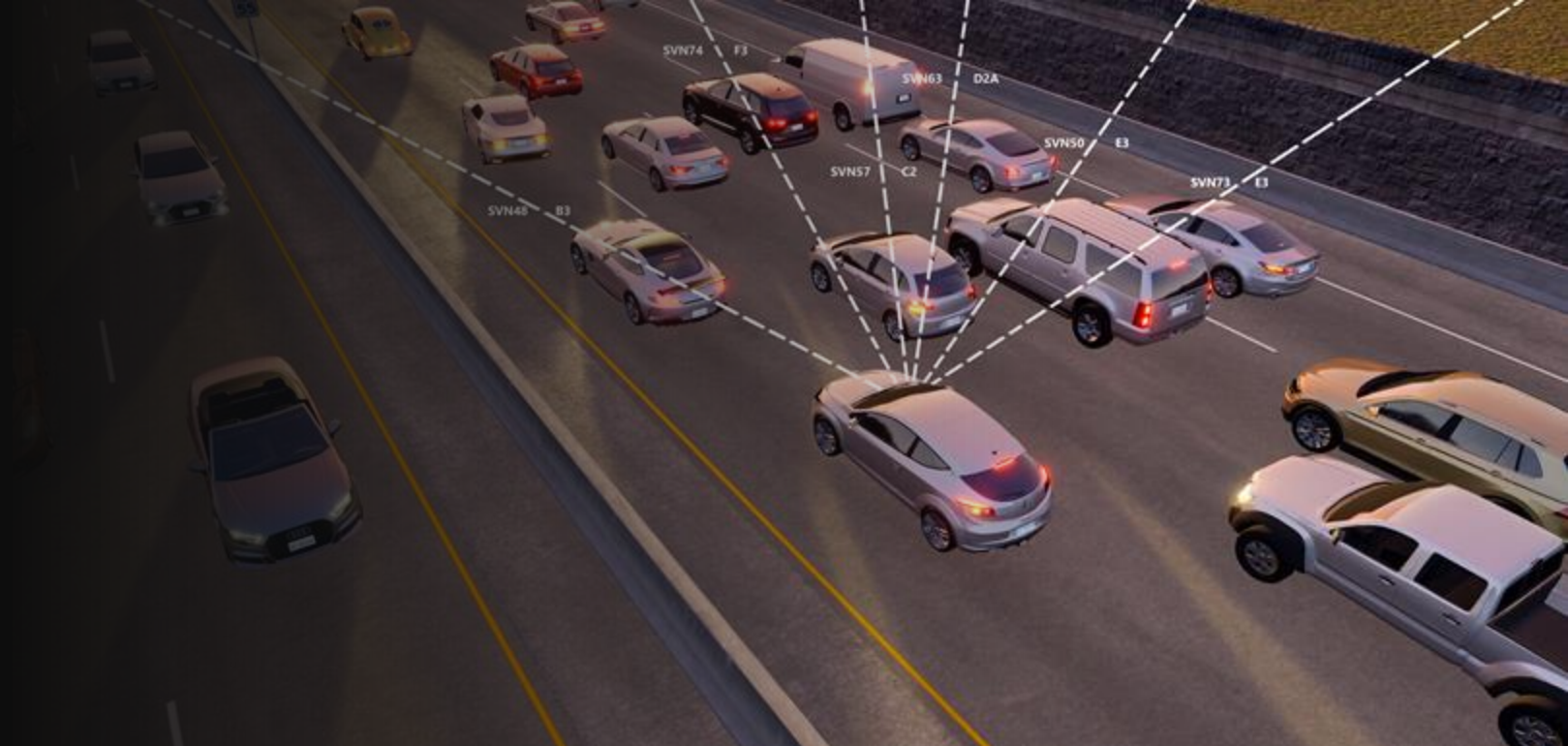




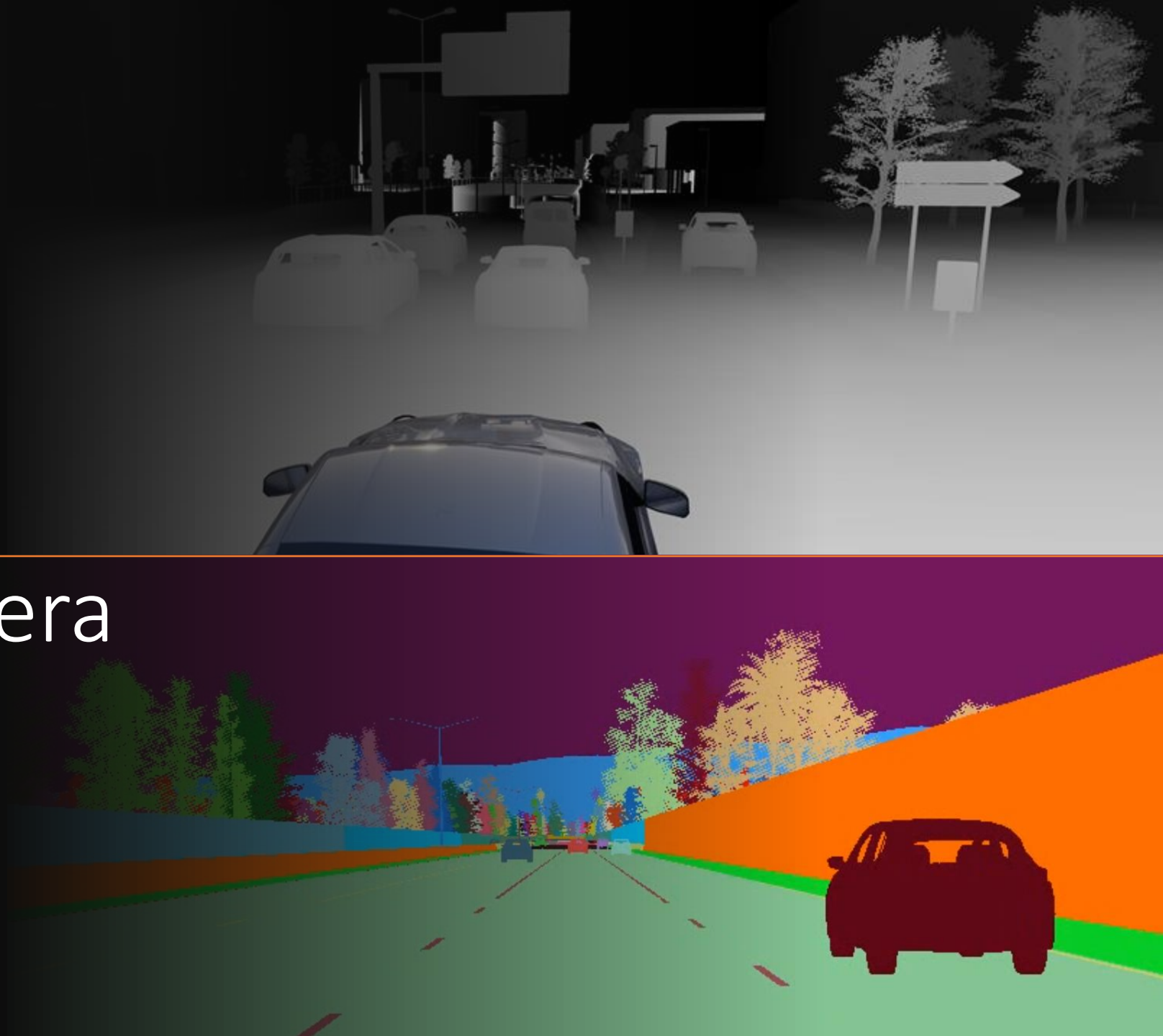
# GPS Sensor

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# IMU Sensor



# Depth Sensor Semantic Camera

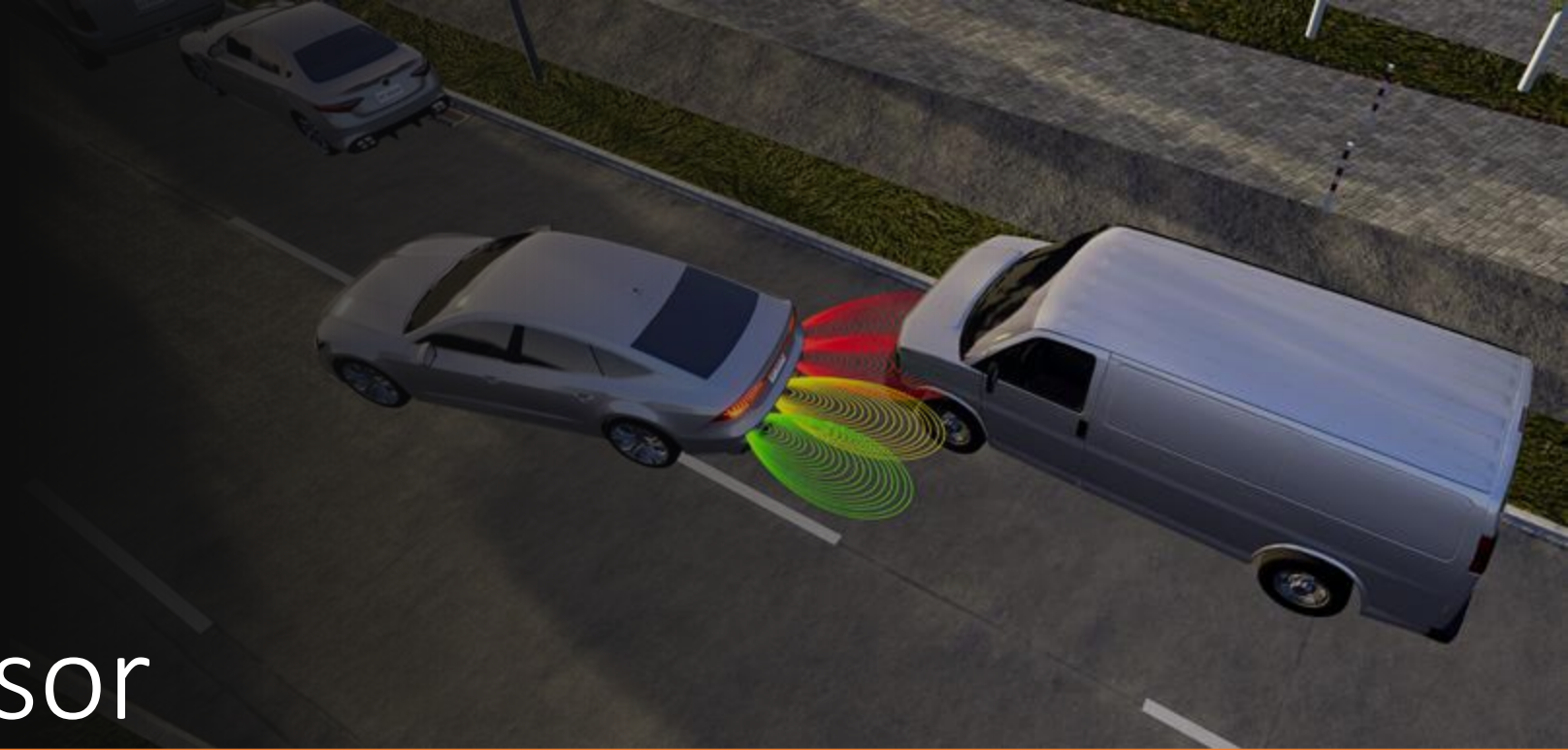




# Ultrasonic Sensor

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# Radar Sensor

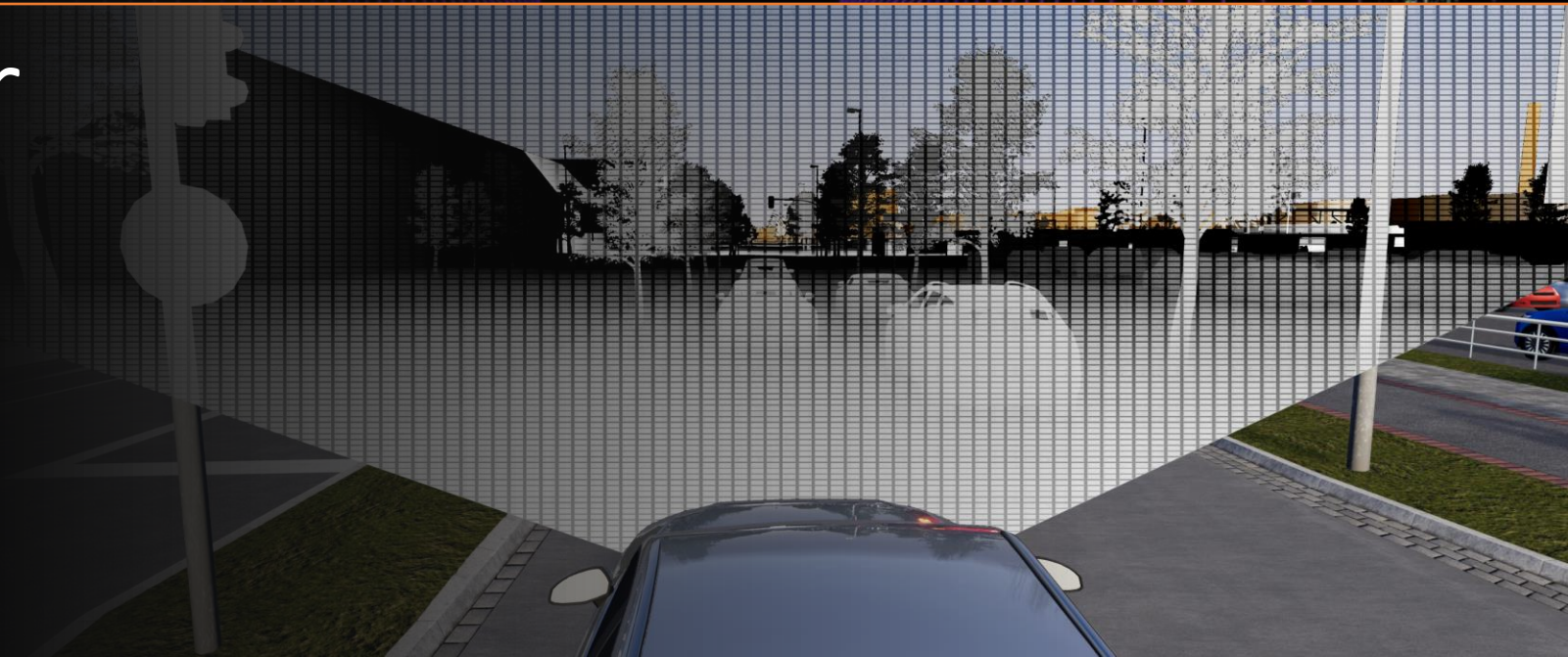




# Rotational Lidar

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## SS / Flash Lidar



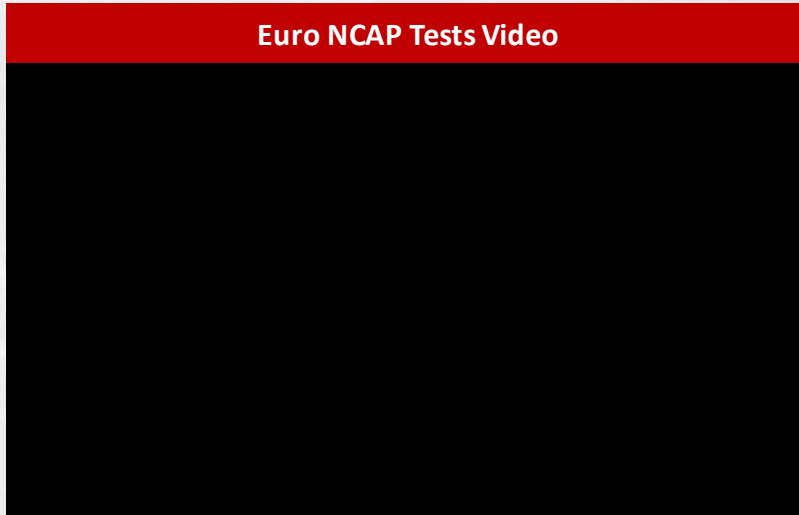


## Euro NCAP Tests



- 2020 & 2021 Tests implemented
- AEB systems (C2C)
- AEB VRU systems:
- Lane Support Systems (Emergency LKA (ELK), LKA, Lane Departure Warning)
- Speed Assist Systems

### Euro NCAP Tests Video



### Euro NCAP Tests



### Euro NCAP Tests

