Vehicle Technologies

CAV / Non-CAV Interactions

Andy Shilladay – Technical Director

Connected Autonomous Vehicles

Internal

e.g.

Adaptive Steering

Adaptive Cruise

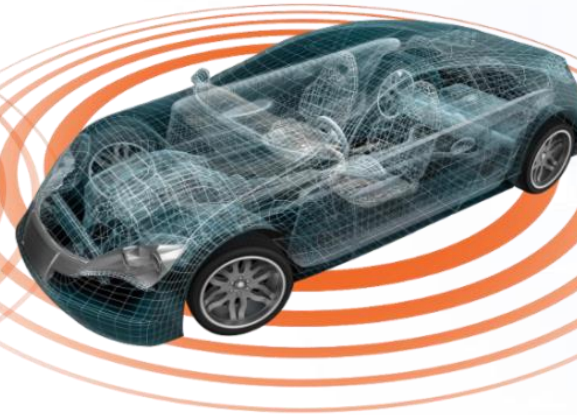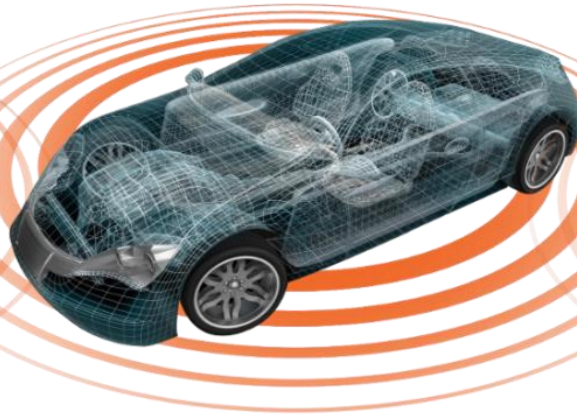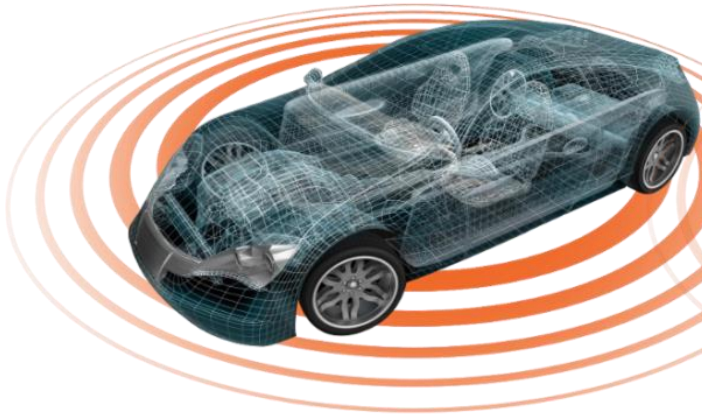**External**

e.g.

CAV to CAV

CAV to traffic system

External

e.g.

CAV to non-CAV

CAV to people

CAV to objects

Connected Autonomous Vehicles

- Not every vehicle will be CAV capable
  - CAVs need to be able to observe and prepare as humans do
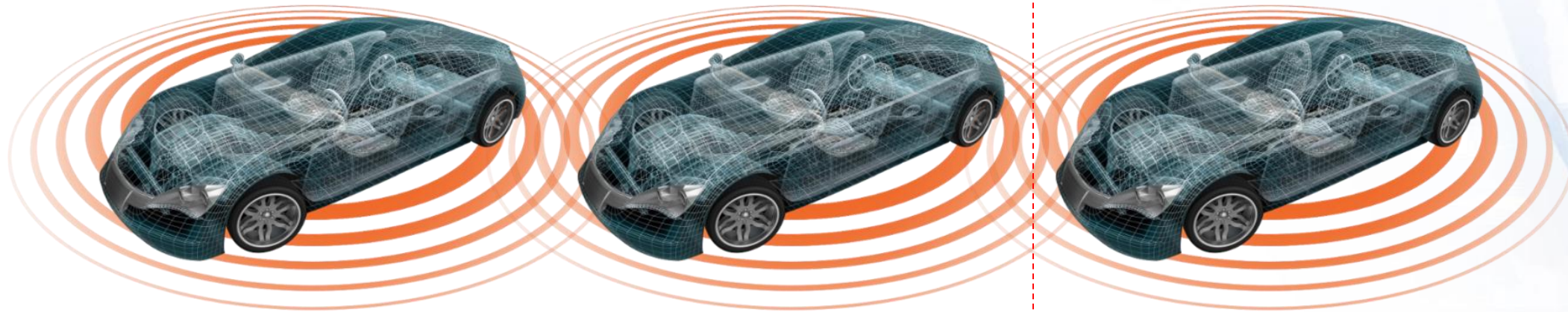
Connected Autonomous Vehicles
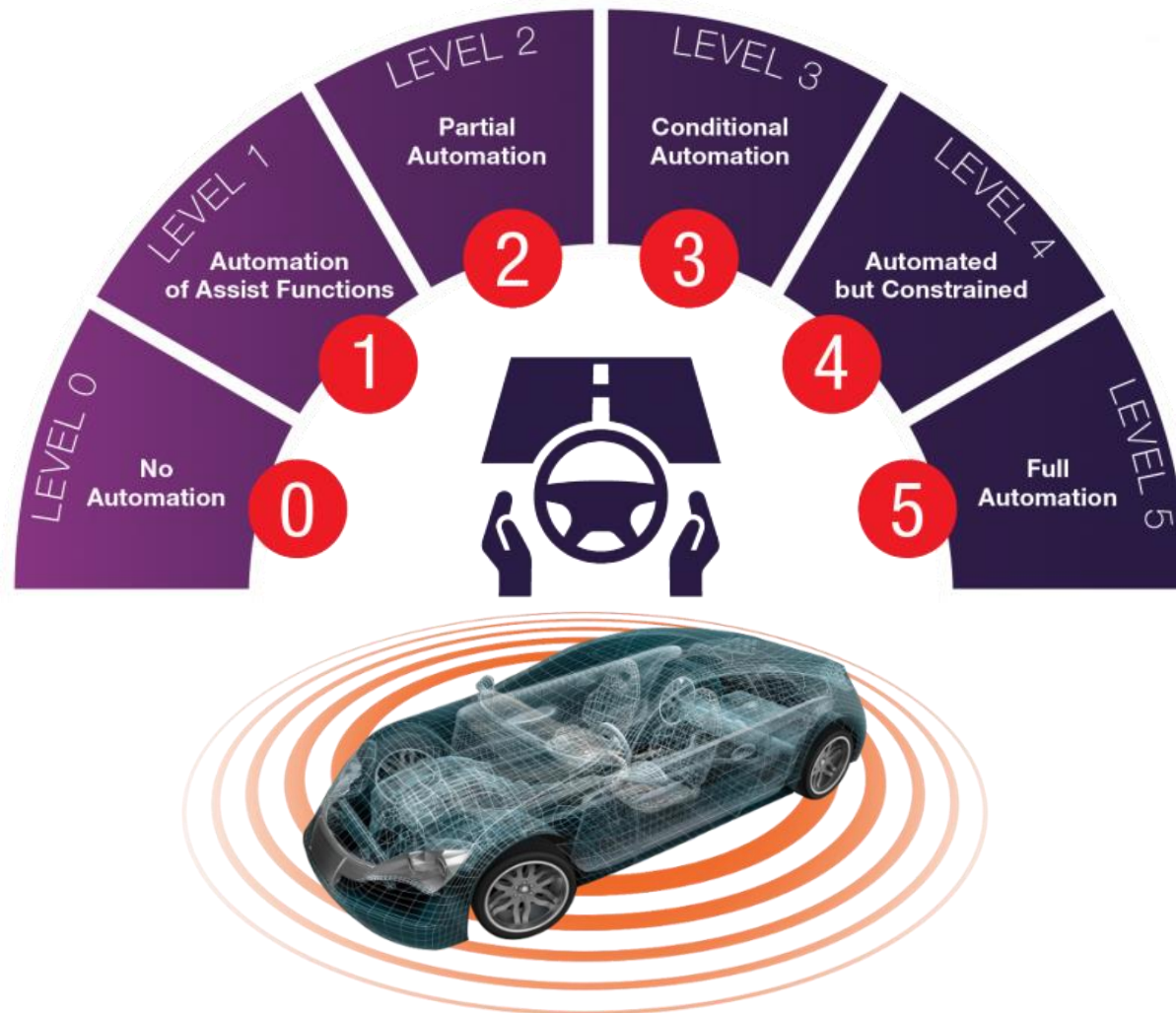
Internal

Software

Hardware
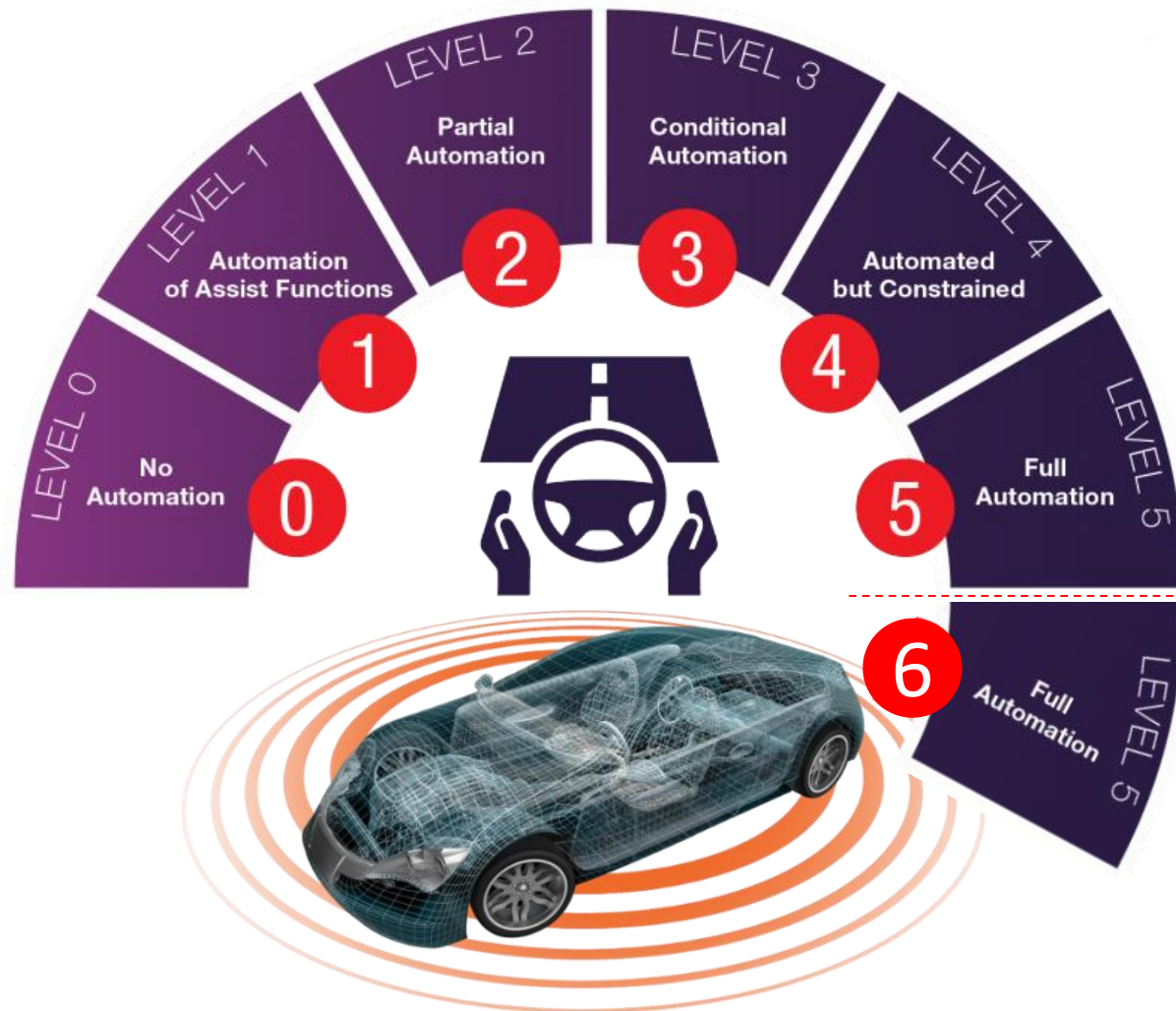
External

Software

Hardware

External

Human Behaviour
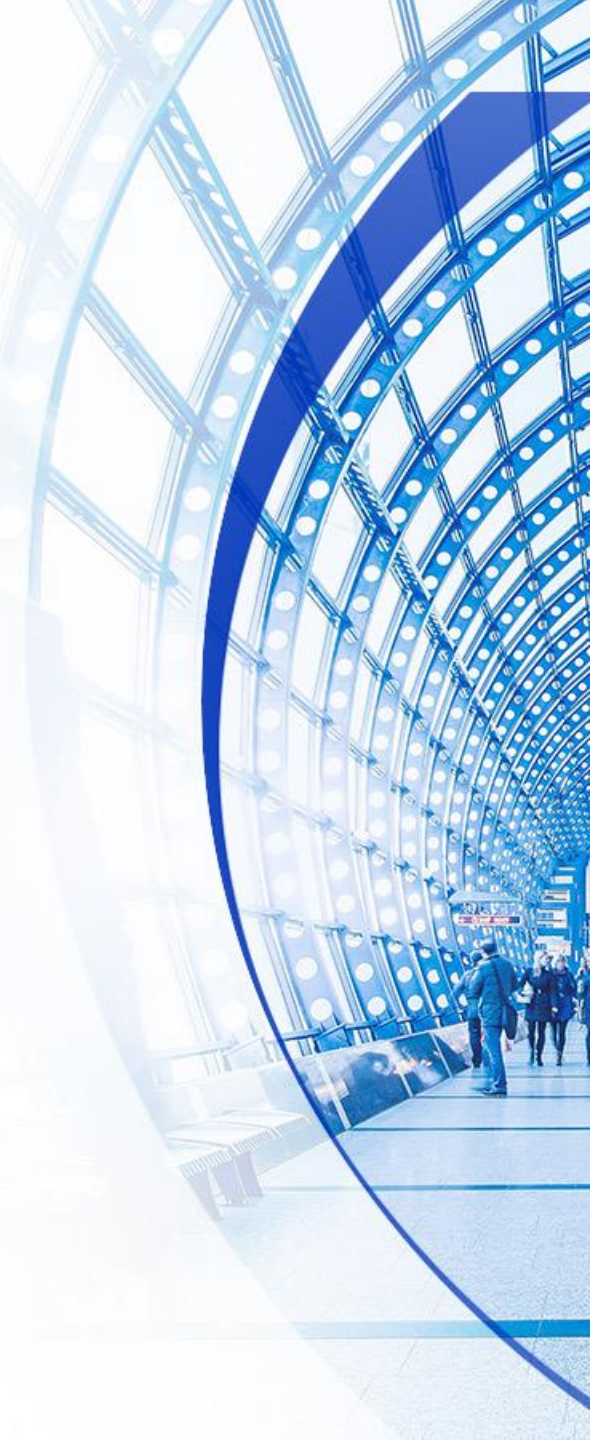
Connected Autonomous Vehicles

Connected Autonomous Vehicles L6

+ Advanced AI

Human Observational Behaviour

Connected Autonomous Vehicles L6

- Human Drive - appears human-like to the outside world

- InterACT – addressing how to understand human mannerisms

- L6 CAV

  - **Is** human in its behaviour, not human like

+ Advanced AI

Human Observational Behaviour