



Australia &
New Zealand
Driverless Vehicle
Initiative



THE ROAD TO DRIVERLESS VEHICLES

RITA EXCELL EXECUTIVE DIRECTOR

Our Core Funding Partners



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Over 150 Partners



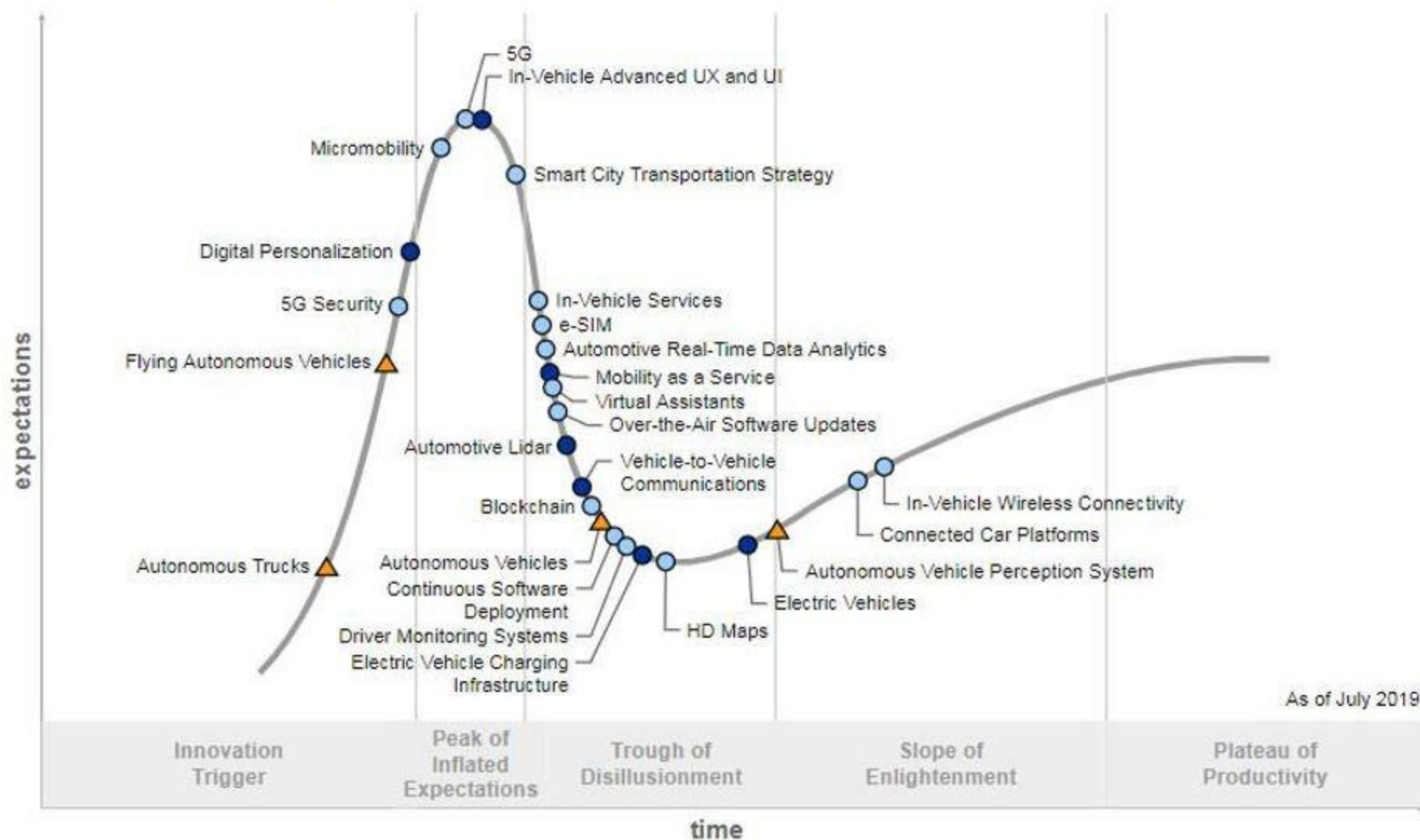
Adelaide Demonstrations, Sat Nov 7 2015

4



2020 Hype Cycle for Connected Vehicles and Smart Mobility

Sae.org



Plateau will be reached:

○ less than 2 years ● 2 to 5 years ● 5 to 10 years ▲ more than 10 years ✕ obsolete before plateau

On Road Testing and Investment



ADVI'S PARTNERS ARE PLANNING TO INVEST HEAVILY IN THE DRIVERLESS INDUSTRY.



15% OF PARTNERS SURVEYED
INTEND TO INVEST \$15M
OR MORE OVER NEXT 5 YEARS



130
ADVI PARTNERS
AND GROWING




CREATION OF
16,000
NEW JOBS




\$95^b
PER YEAR POTENTIAL
ECONOMIC VALUE



22%
EMPLOYE
UP TO
100 PEOPLE
IN THE DRIVERLESS
VEHICLE INDUSTRY



63%
OF PARTNERS SURVEYED
WILL INVEST UP TO
\$10 MILLION
IN THE DRIVERLESS VEHICLE
INDUSTRY OVER THE NEXT 5 YEARS



33%
OF PARTNERS SURVEYED
HAVE INVEST MORE THAN
\$1 MILLION
IN THE DRIVERLESS VEHICLE
INDUSTRY OVER THE LAST 2 YEARS



53%
OF ADVI
PARTNERS EMPLOY
1-10 PEOPLE
IN THE DRIVERLESS
VEHICLE INDUSTRY



OVER THE NEXT 12 MONTHS
70% OF PARTNERS SURVEYED
INTEND TO HIRE MORE STAFF



AUSTRALIANS
ARE KEEN ADOPTERS
OF NEW TECHNOLOGY



ROAD CRASHES COST AUSTRALIA
AND NEW ZEALAND MORE THAN
2% GDP ANNUALLY

Lots is Happening Off Road



- Mining most mature automated application
- CAT has 240 Autonomous Trucks, 200 in Australia.



- Medical supply delivery.
- Drones are efficient safe and fast.



- Rio Tinto Autohaul driverless train
- Now deployed across the Pilbarra

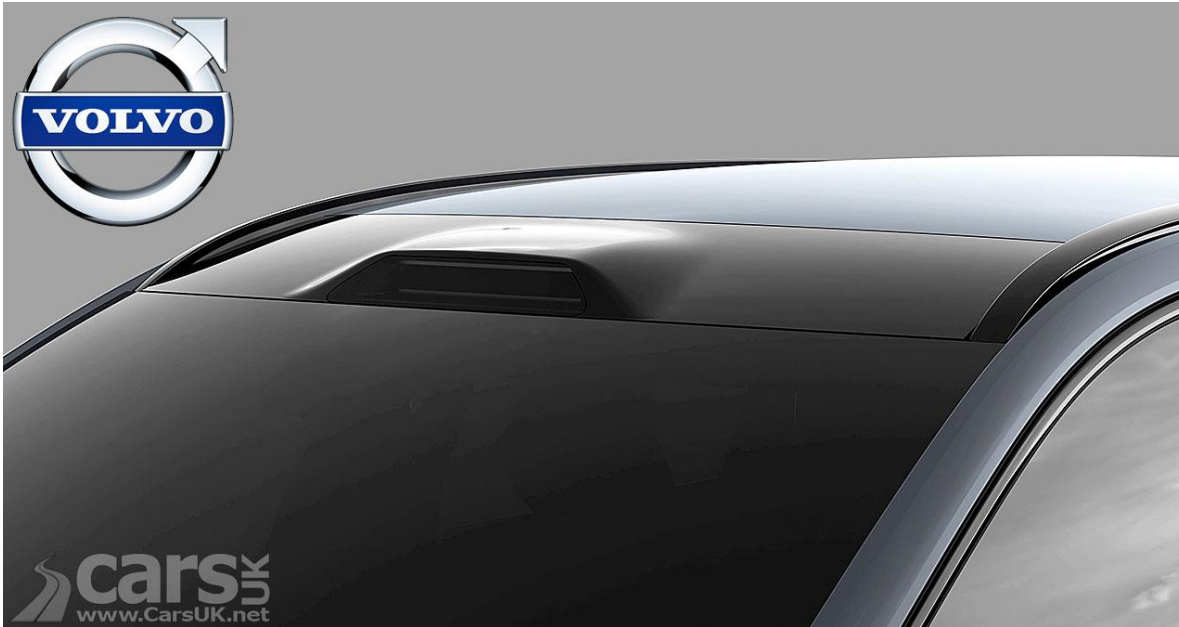


- Level 4 Automated Trucks
- Application in Ports in China and US
- On road in US, China and Europe

Safety Technology is Coming to Australia

Level 4 Equipped Vehicles by 2022

Daimler testing in Australia



More Than Just Lines and Signs



Safety of fully-automated cars

I believe a fully-automated car will be safer than a car driver by an experienced human



Building Consumer Confidence

- Public
 - Communication using simple language
 - Promote more trials and public access
- Regulators
 - Promote a collaborative approach (Govt, Industry and Research)
 - Consistency and national coordination
- Technology providers
 - Attracting industry investment
 - Position Australia in the global market place

Regulatory Gaps

- Expedite and incentivise establishment of local testing facilities
- Mandatory certification standards
- Setting technical standards for vehicles and infrastructure
- Privacy standards for CAV generated data
- Liability





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