

**Australia & New Zealand
Driverless Vehicle Initiative
(ADVI)
National Public Sector Fleet
Managers Conference**

Dickson Leow

Principle Technology Leader

Introducing ADVI

OUR VISION:

To accelerate the safe and successful introduction of driverless vehicles onto Australia and New Zealand roads.

Bringing driverless to Australian roads



ADVI PARTNERSHIP | August 2017





FOCUS OF ADVI – Built, Explore, Recommend

Driverless vehicles – on the road to reality



“The removal of the driver is arguably the most significant and transformative innovation ever faced by the automotive industry”

‘The Future of Autonomous Cars’, Berg Insights (Oct 2016)



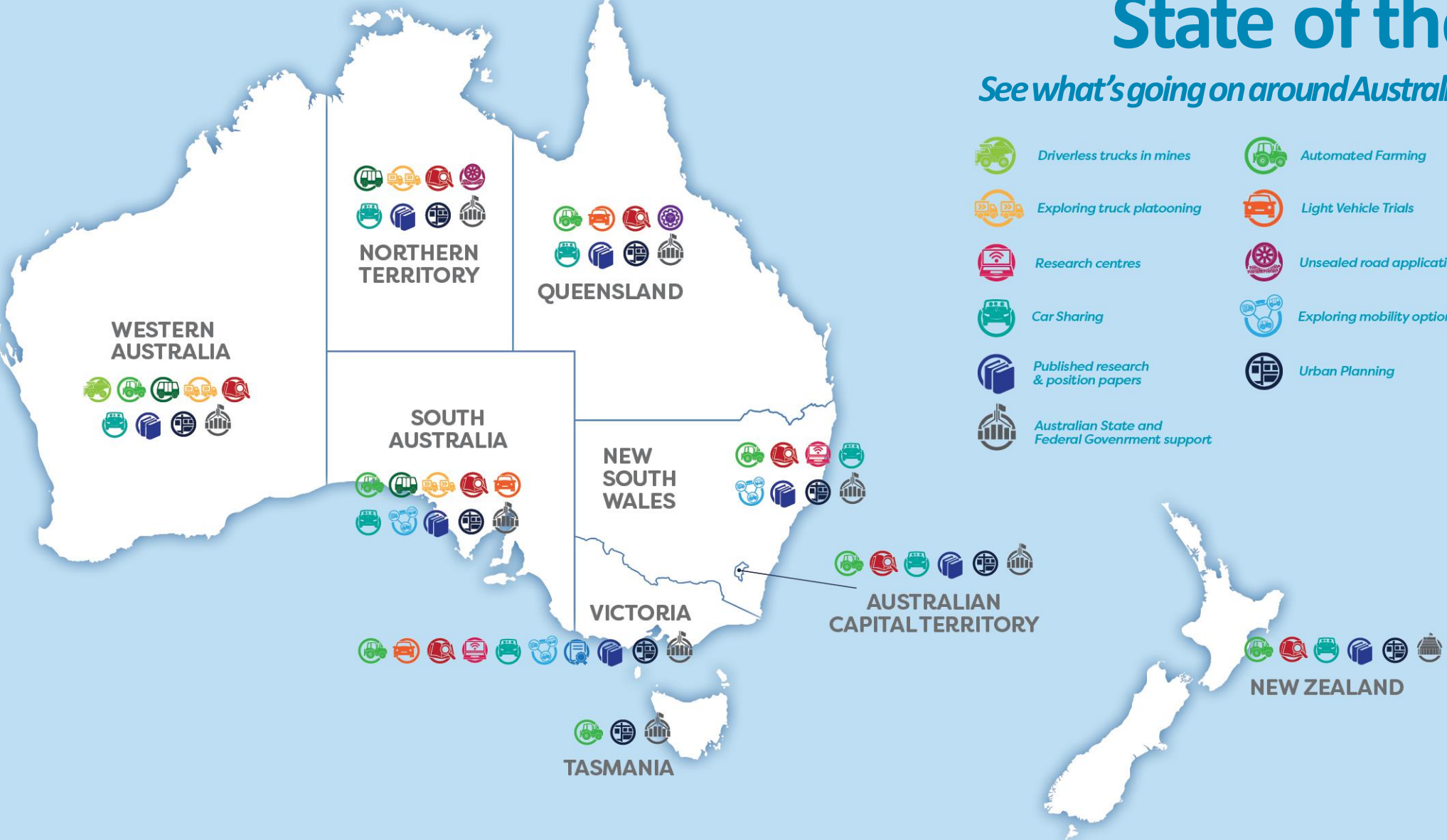
What is driverless vehicle?



WHAT ARE THE BENEFITS?

State of the nation

See what's going on around Australia and New Zealand



- Driverless trucks in mines
- Automated Farming
- Shuttle trials
- Exploring truck platooning
- Light Vehicle Trials
- Legislation reviews & implementation
- Research centres
- Unsealed road applications
- Connectivity trials
- Car Sharing
- Exploring mobility options
- Certification
- Published research & position papers
- Urban Planning
- New Zealand Central Government support
- Australian State and Federal Government support

- /Autonomous
- /Sensing
- /Communication
- /Battery
- /Navigation
- /Mirrorless
- /Ecology

Self-Driving

48
mph



TRANSPORT REVOLUTION



Current Technology Capability



**Future technology here now!
What this means?**



Understanding Future Vehicle Technology

Commercial Vehicle Application



Image extracted from You Tube - Volvo self-driving truck platoon in the European Truck Platooning Challenge



SOURCE: Waymo

BUSINESS INSIDER

Mobility as a Service (MaaS)

Issues to be explored



Economic Impacts on jobs and investment



Australian Driverless Vehicle Initiative

Thought Leadership Paper

Economics Impacts of Automated Vehicles on Jobs and Investment

30 September 2016



- \$95 billion economic opportunity
- \$80 billion from road safety and congestion
- Creation of 16,000 direct and indirect jobs
- Australia high tech research and design capabilities

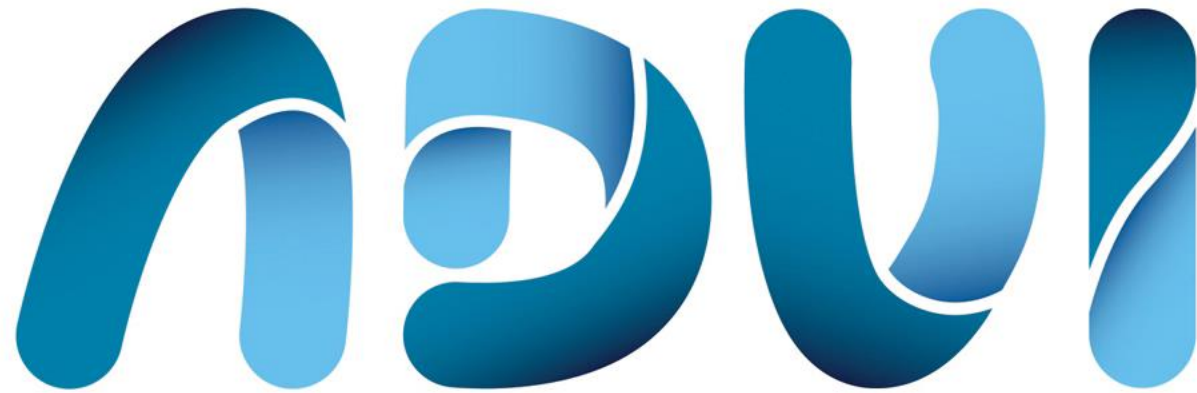


CONSUMER BEHAVIOUR IS EVOLVING

ADVI Public Acceptance Survey

- 83% would like to drive the car manually from time to time
- Only 46% comfortable to share a driverless car with other people
- 38% of people are willing to pay more for a fully-automated car than their current car

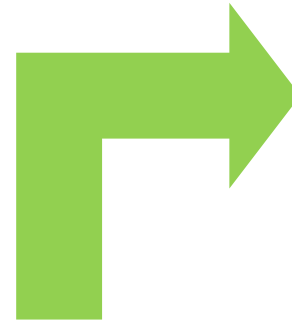




*Australia &
New Zealand
Driverless Vehicle
Initiative*

Public Opinion

Where are we?



Legislation passed to permit driverless vehicles on Australian roads



The Australian public embrace driverless vehicles



Phase 1

Initial Demonstration Trial and Awareness Raising

Phase 2

Full Scale Industry Field Operational Tests, Research, Development and Investigation

Phase 3

Inform Policy, Legislative, Regulatory and Operational Changes for Wide-scale Adoption

Phase 4

The Staged Introduction of Driverless Vehicles onto the Private and Public Road Networks.



Role of Legislators & Policies makers

2nd International Driverless Vehicle Summit

16 - 17 November 2017

Adelaide, South Australia

Join us in showcasing global advances
in autonomous vehicles technology

Go to advi.org.au for further details.



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Thank you



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