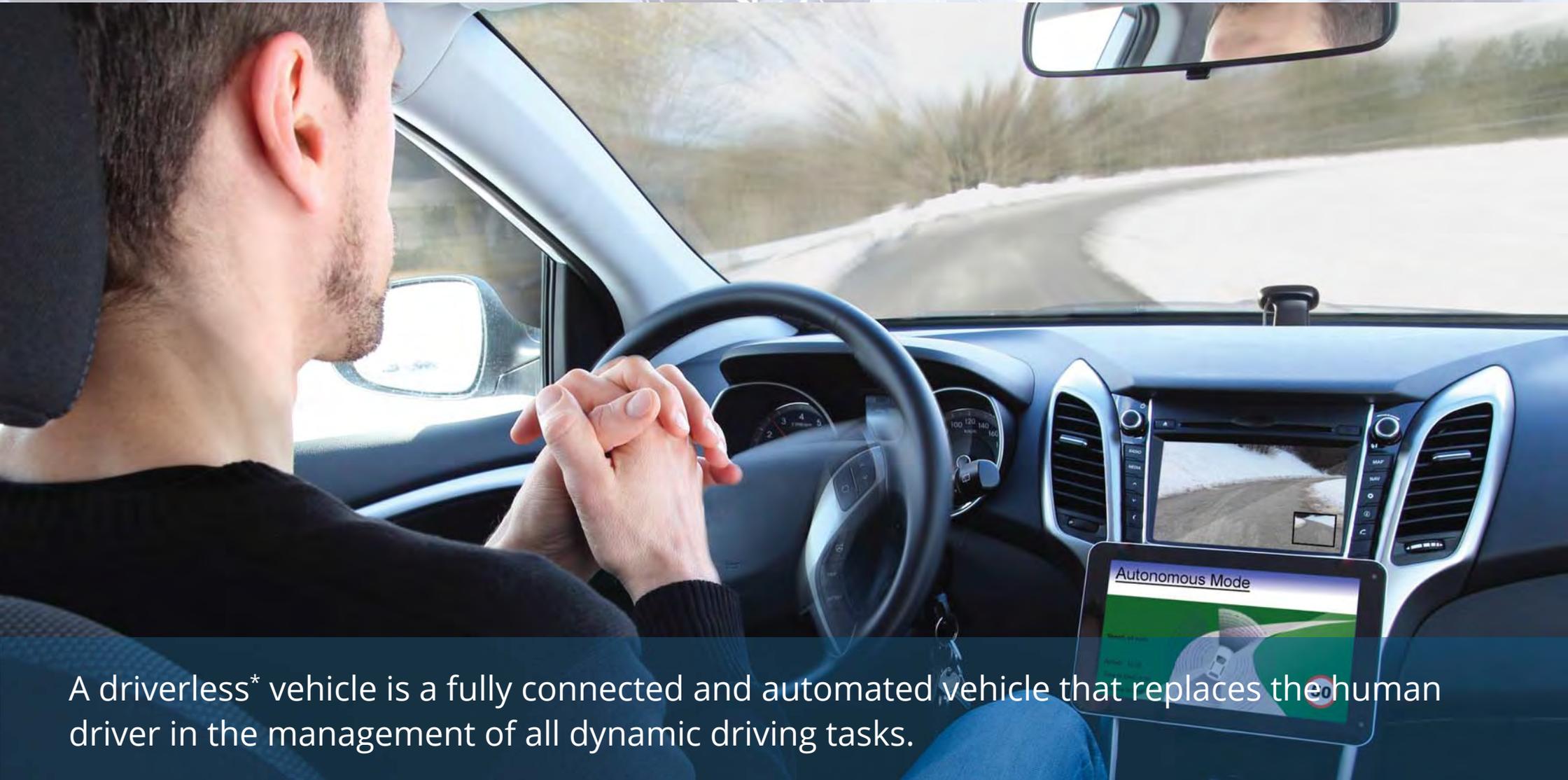




**AUSTRALIAN**  
DRIVERLESS VEHICLE INITIATIVE

The most significant program of cooperative activity in the industry this century. Australia's early adoption, investment and leadership in this space will dictate our international competitiveness for many decades to come.

# WHAT IS A DRIVERLESS VEHICLE?



A driverless\* vehicle is a fully connected and automated vehicle that replaces the human driver in the management of all dynamic driving tasks.

# WHERE DOES AUSTRALIA SIT?

- Australia is rapidly preparing for driverless vehicles
- Other countries are rapidly progressing towards bringing driverless vehicles to market
- Australia spends twice as much on transport than the average OECD country. Falling behind the world in adopting automated vehicle technology will keep Australia uncompetitive in terms of transport costs
- New business models will be required for industry and infrastructure providers to remain relevant and responsive to community needs
- Decisions makers are recognising the imperative to move much more quickly
- Australian law and policy needs to adapt and keep up with the rapid changes



# WHAT ARE THE BENEFITS?

- Increased economic competitiveness and the attraction of new investment
- Road capacity could more than triple if cars are able to communicate with each other and safely negotiate their speed and distance
- Enormous savings to the cost structure of mobility:
  - less cars will be required (because of car sharing)
  - vehicles will be cheaper to make
  - vehicles will be cheaper/more fuel efficient
  - less traffic infrastructure will be required to operate vehicles, e.g. less roads, narrower road lanes, less signage and signals, and so on
- Immense community benefits. This is hugely important for a country that spends twice as much on transport as the average OECD country/\$ of GDP:
  - improved road safety leading to a significant reduction in the \$27 billion cost of road trauma per year
  - reduced road congestion leading to a substantial saving in the approx. \$20 billion it costs the economy each year
  - positive environmental impacts from less greenhouse gas emissions
  - increased freedom and mobility for the elderly and people with disabilities, etc.
- Road capacity could more than triple if cars are able to communicate with each other and safely negotiate their speed and distance
- Travel can be faster and time previously used to commute will become productive and more meaningful



# ABOUT ADVI

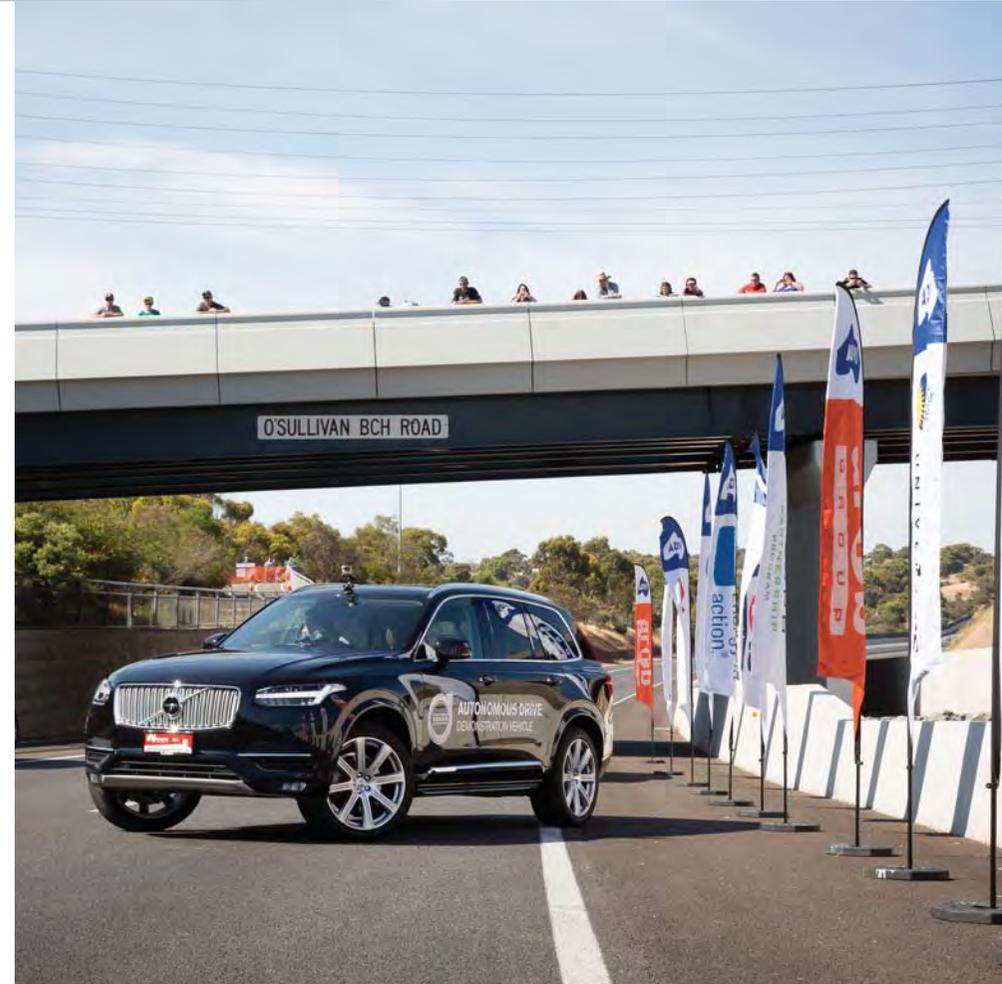
Our Vision is that ADVI will...

## 'Accelerate the safe and successful introduction of driverless vehicles on Australian roads'.

The Australian Driverless Vehicle Initiative (ADVI) is a partnership of government, industry and academic partners working collaboratively to research, investigate and help inform the development of robust national policy, legislation, regulation and operational procedures and processes to bring driverless vehicles safely and successfully to Australian roads.

ADVI has representatives from the following sectors:

- Automotive industry
- Communications and technology industries
- Legal and advisory industries
- Insurance and banking industries
- Defence industry
- Mining industry
- Taxi and car sharing services
- Parking industry
- Automobile clubs
- Media and industry facilitators
- Local Councils
- State and Commonwealth Governments
- Australian research partners
- International research partners
- Industry associations



# HOW WILL IT HAPPEN?

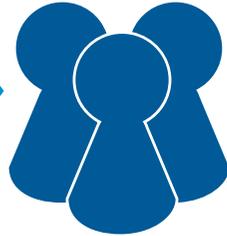
As a cooperative of its members, ADVI will work with government, industry and academia to advocate, investigate and ultimately identify options and outcomes to position Australia as a leader, facilitate public and industry engagement and inform the development of robust national policy, legislation, regulation, facilities and operational processes to bring driverless vehicles safely to Australian Roads.

A staged program of activity is being undertaken that will deliver valuable outcomes within agreed timeframes. The major process is as follows:



# SUCCESS FACTORS

Increase in jobs associated with automated vehicle technology



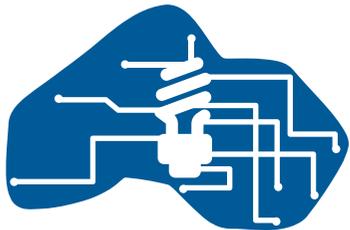
Legislation passed to permit driverless vehicles on Australian roads



The Australian public embrace driverless vehicles



Driverless vehicles support the connectivity required for the future of mobility



Increased investment in Australian innovation

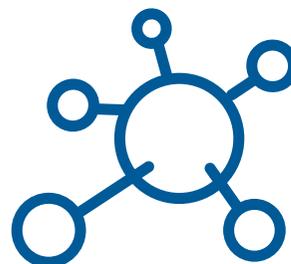


AUSTRALIAN  
DRIVERLESS VEHICLE INITIATIVE

Noticeable reduction in road trauma injuries and fatalities



Increased road capacity utilisation and reduced congestion



Substantial research and educational opportunities are generated

Up to

90%

less crashes

# Express your interest in ADVI now:

ADVI is currently working to transition Australia to a driverless vehicle future.  
To join ADVI on this revolutionary journey, please write to:

The ADVI Centre of Excellence  
101 Grenfell Street  
Adelaide 5000  
South Australia

E: [info@advi.org.au](mailto:info@advi.org.au)  
W: [advi.org.au](http://advi.org.au)



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To accelerate the safe and succesful introduction of driverless vehicles on Australian roads

Acknowledgement

Image on page 3 courtesy of Courtesy of GM media China, [www.media.gm.com/media/cn/en/gm/photos.html](http://www.media.gm.com/media/cn/en/gm/photos.html)

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