

Australian Driverless Vehicle Initiative Research Project Ideas

Overview

If you are considering driverless vehicles as a subject area for your research project, we have outlined some areas and possible questions for you to consider. This is a very exciting time to be involved in the transportation and future mobility industry and you will notice from the following lists that you can really stretch your creativity and imagination.

As part of this motoring revolution, there are no limits to what you could investigate as part of your research project!



Industry Areas

Below are just some of the industry areas that are involved in the driverless vehicle space. There are many more that you can also consider.

- Advertising, Marketing and Public Relations
- Economics and Future Forecasting
- Education
- Engineering – software and hardware
- Ethics and Philosophical issues
- Gaming
- Human Factors/Human machine interface
- Infrastructure
- Insurance
- Investment/start-ups
- Legal and regulatory implications
- Manufacturing
- Vehicle Design

Possible research questions

- What are the benefits and negatives of driverless vehicles in Australia?
- The role driverless vehicles can play now and into the future for rural communities
- How will our urban landscape change with the introduction of driverless vehicles?
- What effect will driverless vehicles have on recreational activities such as motor sports?
- What will the sustainable impacts be with the introduction of driverless vehicles?
- Who will be responsible when something goes wrong in a driverless vehicle?
- Why are driverless vehicles important?
- What habits and behaviours will humans have to change to accept driverless vehicles into their lives?
- How will driverless vehicles impact energy needs?
- What are the safety issues associated with car sharing?
- What type of markets will be disrupted with the introduction of driverless vehicles?
- The role driverless vehicles can play now and into the future for people with disabilities
- Should Governments ban driver cars on our roads in the future?
- Should we encourage robots to take over all human tasks?
- How will the change in insurance policies affect consumers?
- What are the lessons learned from aviation in automation that can support the introduction of driverless technology?
- Can driverless vehicles really work on the same roads as manually driven vehicles?
- What potential security threats do you foresee in a driverless vehicle environment?
- Exploring other industries that could use autonomous technology Eg. Deep sea diving, mining etc.
- How might in-car entertainment systems evolve with driverless vehicles?

Further information

- Subscribe to the newsletter on the ADVI website (advi.org.au)
- Explore resources on the ADVI website (advi.org.au)
- Send any questions to info@advi.org.au

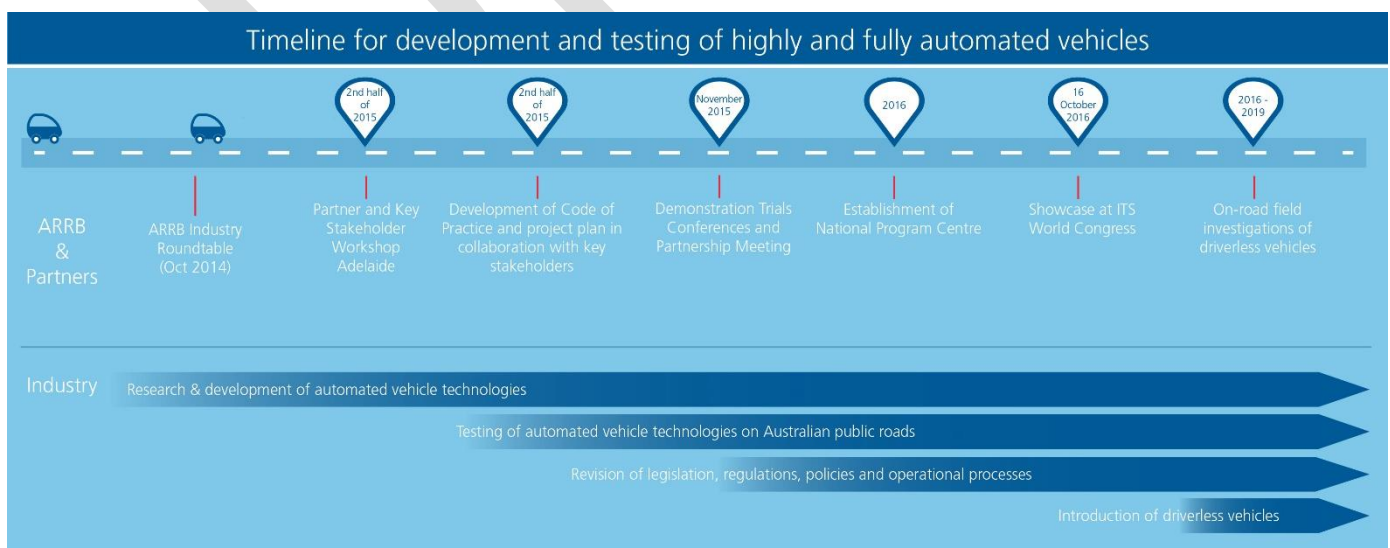


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