



ABOUT THE TRIAL

The first stage of the trial will take place at Newington Armory within Sydney's Olympic Park.

Sydney Olympic Park has several private roads where initial trials will be carried out away from public roads and pedestrians.

Stage two of the trial will extend to public use with the Shuttle making the rounds on the roads at Sydney Olympic Park precinct.

The trial will also enable us to engage with our customers and bring them along the journey with us in terms of how they will interact with the shuttle, the kind of transport services it can provide and what changes need to be made to infrastructure.

AUTOMATION

- The Smart Shuttle is built by French company Navya and has the capacity to carry up to 15 passengers.
- It is fully electric and is self-guiding by an onboard computer, LIDAR and Radar and can reach a top speed of 45 kilometres per hour.
- For this trial the shuttle will typically operate at around 20km/h. A key part of the initial stage of the trial in Newington Armory will be to work on the safety aspects of the vehicle including what a safe and practical operating speed will be.
- There are five levels of vehicle automation recognised internationally, they range from technology in most modern vehicles which are level one and have features like electronic stability control to level five automated vehicles where all vehicle functions are completely automated.
- The Navya shuttle is considered a level four, highly autonomous vehicle which means that it can drive itself but a passenger can intervene and stop the vehicle if needed.
- The vehicle is also guided by a 3-D map of the route that it is travelling on so it has been effectively 'trained' to drive the route.

SAFETY

Automated vehicles like the Navya are designed to be safe. This vehicle has a number of cameras at the front and rear and advanced sensors like laser radar that the vehicle uses to understand its surrounding, detect and anticipate any risks of a collision and then use technology like autonomous emergency braking to avoid collisions. The vehicle is also equipped with two emergency stop buttons

MEDIA CONTACT

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HOW IS THIS TRIAL DIFFERENT TO OTHERS?

The trial at Sydney Olympic Park is the first in NSW and is unique because we'll be using the shuttle to operate as a service around the precinct.

RMS and our partners will also be working together to enable the vehicle to communicate with traffic lights so that it can navigate intersections autonomously.

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