

Travel Time Information System

FAQs

What is it?

The AddInsight Travel Time Information System (TTIS) is an Intelligent Transport System (ITS), developed in Adelaide by the South Australian Government, and now used in several cities across Australia. It provides real-time road traffic data from Bluetooth and Wi-Fi technologies.

Following a successful rollout in Hobart, the system is now being deployed to the Launceston region.

How does it work?

A network of roadside devices (detection stations) anonymously detects wireless signals (typically Bluetooth or WiFi) in vehicles that pass the station. Each device that is detected has a unique address, that is encrypted and anonymised by the backend system before processing.

What are these detection stations monitoring?

The detection stations allow the TTIS to evaluate actual travel times around the road network, allowing road managers to better understand travel conditions, patterns and identify when traffic is not moving as expected. By analysing large quantities of data, patterns emerge and certain traffic conditions can be identified.

How is the data used?

The Department of State Growth will be using the travel time data to assist in the management of the road network, including identification of incidents (crashes and breakdowns), unusual congestion, management of traffic signals and in planning for improvements to the transport network. This provides real-time situational awareness to provide faster response to incidents and reduction of delays to road users.

Are individuals identifiable?

No. All data is anonymous. No personally identifiable information is collected or retained by the Department. The Department will not link a particular travel time record to an individual user.

Do the detection stations produce harmful radiation?

No. The units are primarily receiver units, detecting the presence of certain devices. The detection devices use the same technology available on any smartphone (WiFi and Bluetooth).

Will the travel time data be available to the public?

The Department of State Growth will be using the travel time data to assist in the management of the road network, including identification of incidents (crashes and breakdowns), management of traffic signals, and in planning for improvements to the transport network. It is expected that data will be made available to the public at some stage in the future.