

Case Study - Australia A Clear Superior Detection Combination

Australia is leading the shift away from the car being king, thanks to a push to explore alternative and new technologies available under the umbrella of Intelligent Transport Systems.

State-based innovative approaches are enabling the smarter movement of traffic and pedestrians, and paying dividends for transport authorities across the country.



Transport for New South Wales

Hi-Vis Pty Ltd and its sister company Hyperion Technology Pty Ltd recently developed a new Pedestrian Safety System for medium to high traffic volume areas. This innovation followed a request from Transport for New South Wales to see if pedestrian safety could be improved, particularly around **shopping centres, retirement villages** and other **high-volume shared traffic areas**.

A wide variety of detectors were considered in the design and testing phase, exploring a range of detection mechanisms such as radar, light intensity variation and 3D volume changes of mass within a detection zone.

The Hi-Vis Group successfully tested a system largely designed around the AGD645 Pedestrian Detector and AGD326 Pedestrian Radar. The system called upon detection of the person on approach to the pedestrian crossing and the 'handing over' of the person to another detector as they crossed safely to the other side.

*Improving pedestrian safety in
New South Wales*

safer, greener, more efficient

The AGD326 ranging radar offers everything you'd expect from our recognised leading-edge technology, and more.

With wait-area and on-crossing detection platforms, pedestrians are tracked accurately in real-time to ensure the safest of journeys in any urban environment – from the moment they step into the waiting zone.

Combine the AGD326 with the powerful AGD645 to take advantage of IP connectivity, pedestrian volumetrics, and 10m x 3m coverage for larger crossings.

Brett Watson, Managing Director, Hi-Vis Group

“The AGD645 and AGD326 detectors were proven to be a clear superior detection combination. Following successful performance in field testing, the solutions now form the core of the Pedestrian Safety System. To date four such systems have been installed around New South Wales, all operating effectively with a high degree of detection accuracy.”

March 2021

Easy setup. On any sized crossing.

The AGD Pedestrian Detection Suite has been purpose-designed specifically for city authorities around the world. Not only does our system allow you to get setup super-quickly and safely, from ground level, but our unique WiFi AGD Touch-setup technology also allows you to adjust the pedestrian crossing phase safely in real time, and make any subsequent adjustments with the same ease.

Type Approval

AGD Systems is proud to have type approval for the AGD326 in Queensland and for the AGD326, AGD645 and AGD641 in Victoria.

In Victoria, a major pedestrian safety program has included the roll-out of 250 AGD645 units, offering enhanced wait zone detection and volumetrics.

AGD. Proudly leading the way in bespoke and adaptable crossings, making them safer, greener, and more efficient.

AGD 326 PEDESTRIAN ON-CROSSING DETECTOR



Detection of moving pedestrians and cyclists on the crossing

AGD 645 PEDESTRIAN WAIT AREA DETECTOR



Detection of pedestrians in the wait area at crossings

Traffic & Pedestrian Control

