



## HEAVY VEHICLE WARNING SYSTEM

KYEAMBA, 2018

### CASE STUDY

The Kyeamba Gap West Rest Area marks the approximate halfway point between Sydney and Melbourne on the Hume Highway (M31). It is a popular rest area shared by heavy and light vehicles, however due to the fact that the rest area exits onto a blind corner, exiting vehicles are not seen by oncoming traffic. This is particularly hazardous when a heavy vehicle is exiting, since they take much longer to accelerate.

Our solution was to develop an autonomous system that simultaneously detects a truck exiting the rest area and warns oncoming highway traffic to slow down. This was achieved through the configuration of a traffic radar (Taipan) to detect heavy vehicles and subsequent integration with a custom Vehicle Activated Sign (VAS) via J1's custom wireless link solution.

The outcome of the project is increased road safety due to the advanced warning system for motorists, enabling them to slow down when heavy vehicles are entering the highway.

J1 helps you on **your way**.



### DELIVERABLES

- ✓ Custom VAS
- ✓ Heavy-vehicle radar & site controller (Taipan)
- ✓ Wireless link solution



### PARTNERS

- ✓ Downer ITS
- ✓ NSW Roads & Maritime Services