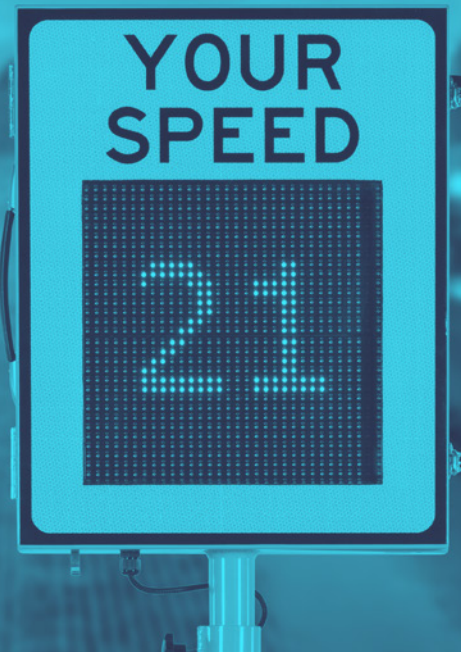


# Reduce risk with eSAS™ - speed awareness sign

**The most effective solution for reducing speed, making project sites safer for your frontline workers.**

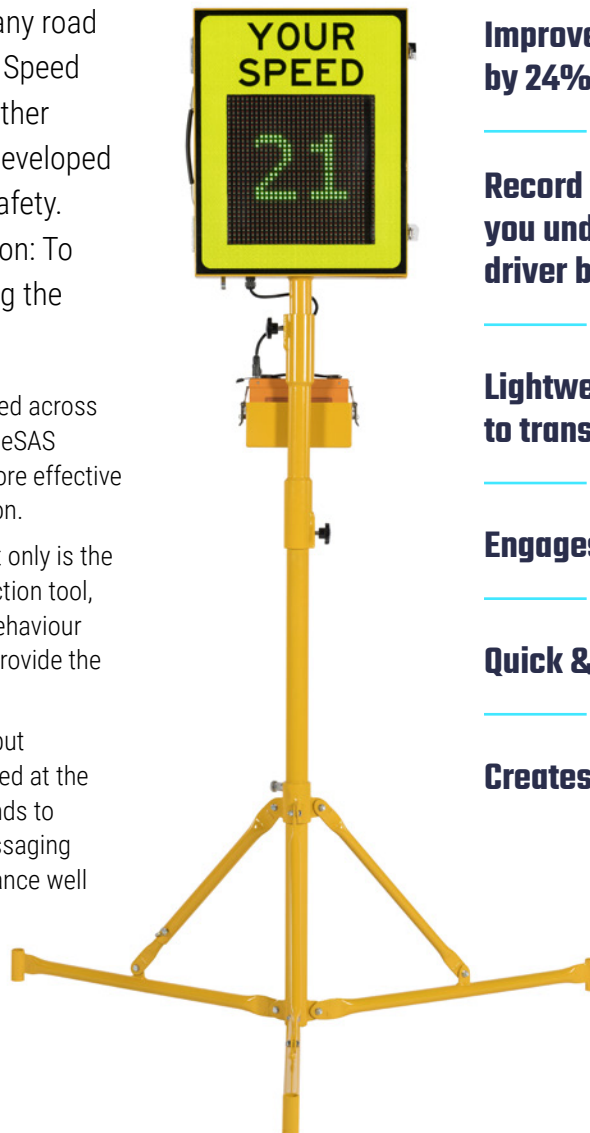


Speed is the number one risk on any road worksite. The Arrowes' electronic Speed Awareness Sign (eSAS) is yet another innovation that we have proudly developed to significantly improve roading safety. It has been designed for one reason: To increase worker safety by reducing the speed of motorists on worksites.

An independent trial by Downer conducted across Australia in 2019 demonstrated that the eSAS improved speed compliance by 24% - more effective than any other speed compliance solution.

Portable, easy to use and effective – not only is the eSAS a very powerful traffic speed reduction tool, it also collects valuable data on driver behaviour giving you the information you need to provide the safest possible worksite.

Most drivers want to do the right thing, but sometimes need a little reminder. Installed at the approach to a worksite, the eSAS responds to vehicle speed and provides relevant messaging to the driver, encouraging speed compliance well before they reach your worksite.



**Improves speed compliance by 24%\***

**Record traffic data to help you understand & influence driver behaviour**

**Lightweight, compact & easy to transport**

**Engages distracted drivers**

**Quick & easy set up**

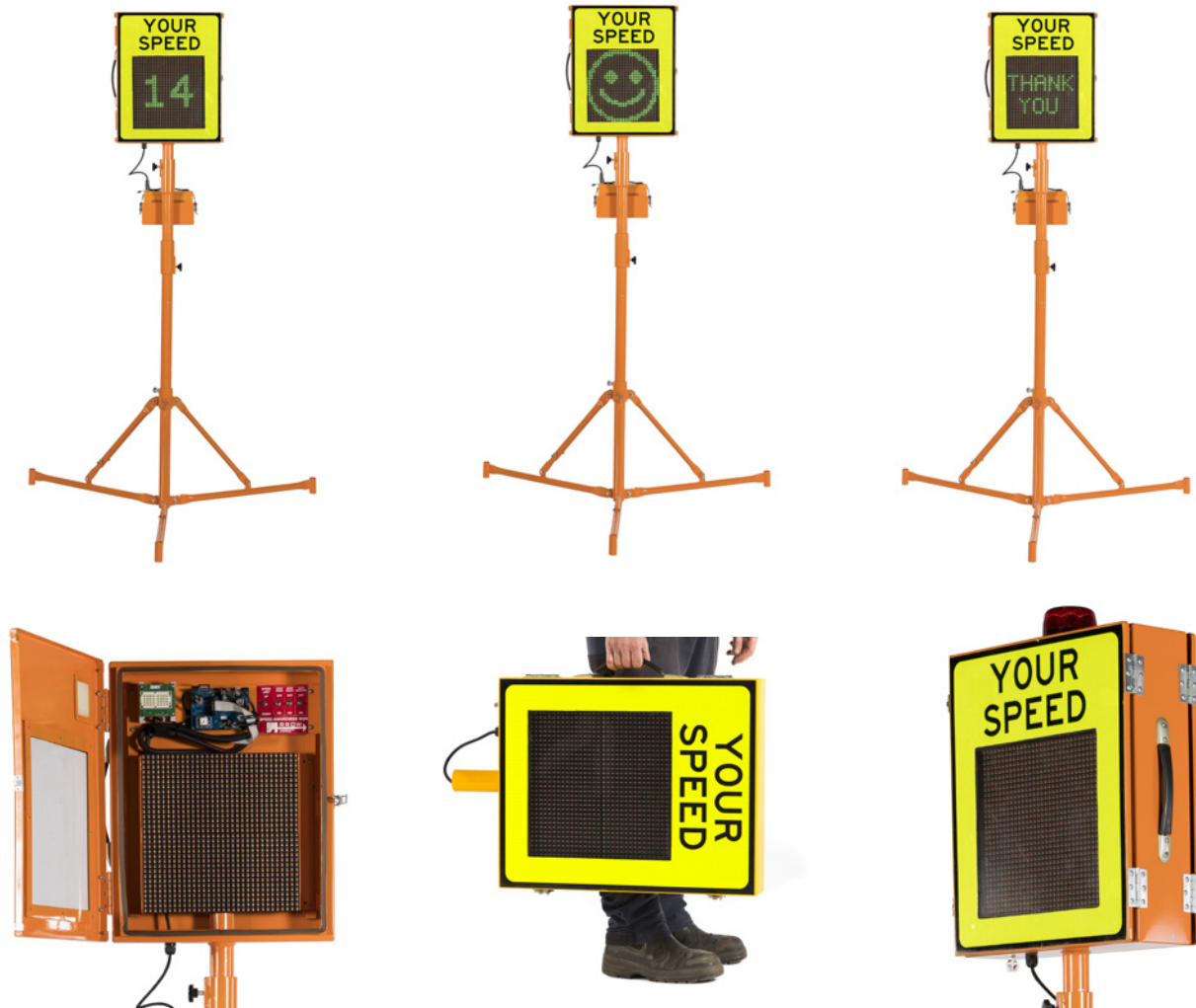
**Creates speed awareness**

\*As recorded in an independent trial conducted across Australia in 2019 by Downer

Patent ID: 2020100193

**The experts in roading safety**

**ARROWES™**  
ROADING SAFETY



## Features

- Embedded radar for speed specific displays
- Simple to use. Multiple display options pre-programmed. Just four switches to set the speed, select smiling / sad face, various text or speed messages
- Data Logging (Vehicle count, individual vehicle speed, GPS location and timestamp) embedded SD card for easy .csv file download. Giving you the data required to understand driver behaviour in different traffic plans, times and driver responses to different display options
- 5000 days of data storage (16GB)
- Self-contained unit, including battery, charger on tri-pod legs
- Total weight of 20kg split between 3 components
- Wind load tested up to 110km/h with 3 x sandbags/leg
- Radar detects vehicle at 150m distance
- Approx 20h battery life at 80% operating time

## Options

**Carry case:** Protective carry case and bags for display head, tripod leg, and battery. Provides an easy-to-carry and secure storage for all eSAS solution components.

**Camera:** Front and rear (eSAS Double) camera recording providing further protection for front line workers and evidence in insurance cases. Camera footage includes GPS location, time-stamp and traffic light status. Records to embedded SD card.

**Alert Beacon:** Each eSAS can be enhanced with Acoustic and Visual Alarm Beacons to be activated in case of dramatic speeding compliance breaches, or on a permanent base if selected.

**Plant Mounted:** Each display head can be mounted to mobile plants and utes, with or without direct power supply to the vehicle. Customised mounting options based on your vehicle and plant available.



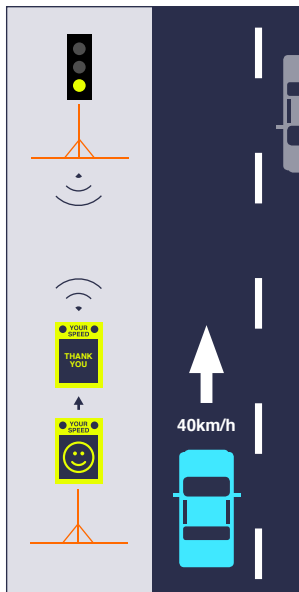
# eSAS with eSTOP™ integration

Large, 'B' size eSAS

Integrated alert lights flash when eSTOP is red

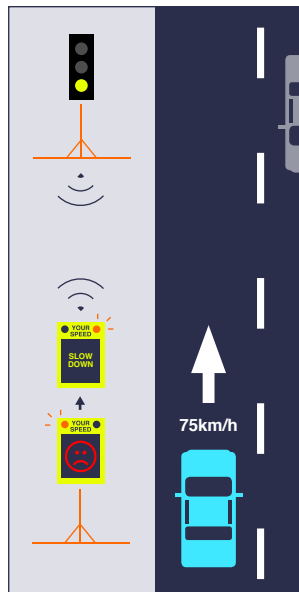
Warning message on display when eSTOP is red or motorist is speeding

Connected via eSTOP™ HRC



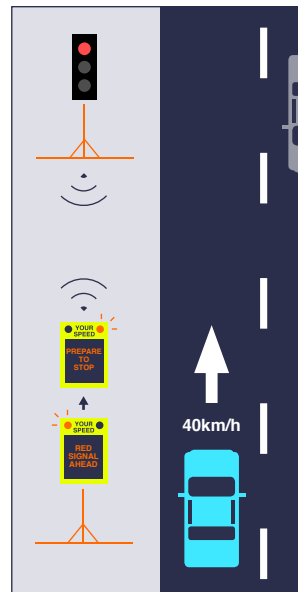
## Green light + NOT speeding

eSTOP signal is green + vehicle traveling below speed limit = **Smiley face** and **THANK YOU** message. Wigwag LED is off.



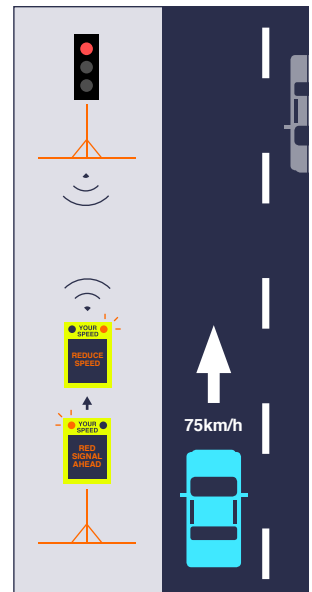
## Green light + speeding

eSTOP signal is green + vehicle traveling over speed limit = **Frown face** and **SLOW DOWN** message. Wigwag LED is flashing.



## Red light + NOT speeding

eSTOP signal is red + vehicle traveling below speed limit = **RED SIGNAL AHEAD** and **PREPARE TO STOP** message. Wigwag LED is flashing.



## Red light + speeding

eSTOP signal is red + vehicle traveling over speed limit = flashing **REDUCE SPEED** and **PREPARE TO STOP** message. Wigwag LED is flashing.

Patent Application ID: 2019904761

For more information phone +61 (07) 3881 3302



# Quality Australian manufacturing.

Our manufacturing facilities are closely embedded into the local and regional supply chain and ecosystem. Arrowes sources as many components, parts and supplies as possible from our Queensland and Australian suppliers. We support the local business community and ensure our close connections benefit our clients in terms of response times, quality and service.

**Find out more about how the eSAS can help your team:**

**P. +61 (07) 3881 3302**

**E. [sales@arrowes.com.au](mailto:sales@arrowes.com.au)**



**Visit [www.arrowes.com.au](http://www.arrowes.com.au) to view our full range**

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Electronic Variable Message Signs | Pilot Vehicle Signs | Cone Trucks | Ute Fit-outs | Truck Mounted Attenuators



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