



Making our Roads, Tramways, Railways & Workplaces safer!

## WHAT IS SAFEZONE?

**SafeZone** is a revolutionary approach to providing effective, visual warnings for road and rail applications, that a danger condition exists on the road or rail ahead.

At the heart of every **SafeZone** installation is an array (typically 5 to 50) of ultra-bright, flashing warning beacons called IRADs ('In-Road/In-Rail Alert Devices'). These are installed in a section of pavement (eg, at a car park exit), down the centreline of a section of road (eg, on the approaches to a railway track) or down the centreline of a railway track (eg, in advance of a stop sign) where they're far easier to see than road-side or track-side signs. While not intended to replace existing warning signs or lights, **SafeZone** supplements them to ensure the primary warning systems are more effective.

What makes **SafeZone** unique is that it is a modular, scalable, radio-controlled, and battery-powered system. This means it can be deployed in a wider range of applications, more easily and less expensively; especially when compared to hard-wired (externally-powered) warning lights. In addition, it is the **ONLY** in-road visual warning system that integrates all these features:

- wireless (radio) remote control and management/diagnostics
- self-contained, battery-powered, in-road or in-rail flashing beacons
- ultra-bright flashing LEDs for maximum visibility, day or night
- different LED colours (WHITE, AMBER & RED) for different applications
- remotely programmable/reprogrammable beacon flash patterns
- scalable architecture – from 1 to 100 beacons, or more
- local 'smarts' for 'fail active' operation



“ **SafeZone is a revolutionary approach to in-road driver warning beacons.** ”



Ideal for:

School Zones

Pedestrian Crossings

Railway Crossings

Train Platforms

Carpark, Fire & Ambulance Exits

Fog-Bound Road Lane Markers



# HOW DOES IT WORK?

SafeZone comprises two elements:

## SafeZone ADC (Alert Device Controller)

- These are the roadside, pole-mounted, AC mains or solar powered zone control units that act as the bridge between the controlling authority (eg road authority or council), and the in-road lights. They provide the signal that activates the in-road beacons and controls their flashing pattern, as well as receives information used for remote management and fault diagnostics.



## SafeZone IRADs (In-Road Alert Devices)

- These are the in-road, battery-powered, radio-controlled, remotely programmable, remotely controllable, remotely monitor-able, ultra-bright flashing LED warning beacons installed in the pavement/road.



SafeZone can be controlled:

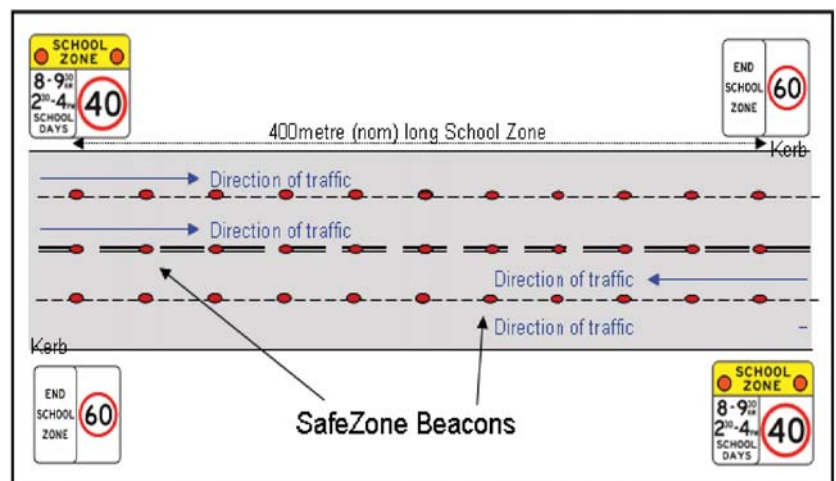
### Remotely (eg by a road authority)

- Lights can be activated/deactivated as required
- Flash patterns or start/stop times can be altered for automated operation

### Locally (by the local pre-programmed ADC)

- Lights can be activated/deactivated by pedestrians, local sensors (eg ambient light detectors), or other traffic management systems (eg railway crossing control system)

A typical SafeZone installation:



# WHY SAFEZONE?

SafeZone:

- Is less expensive to install than hard-wired in-pavement warning lights
- Is more reliable and has greater levels of redundancy due to an array of in-built smarts plus its wireless architecture
- Has an in-field life of between 1 and 5 years, depending on the application and the flashing patterns required
- Is scalable
- Is an out-of-the-box solution
- Can be customised
- Is Australian designed and manufactured
- Is being integrated into other warning solutions developed by other Australian solutions providers