



A better Advance Warning System

CREATING SAFER SCHOOL ZONES

SafeZone is designed to alert drivers to maintain a low speed when travelling through an 'active' school zone.

SafeZone addresses safety, primarily targeting human behaviour by awakening and heightening a driver's state of mind and level of alertness.

Wireless directional beacons (IRADs) provide the warning by being positioned & installed at set intervals in the road.

This intelligent system can be activated either by an internal clock and calendar, or by an external trigger device. When the **SafeZone** system is triggered, the beacons emit a continuous strobed runway effect, which is the key to heightening a driver's level of alertness.

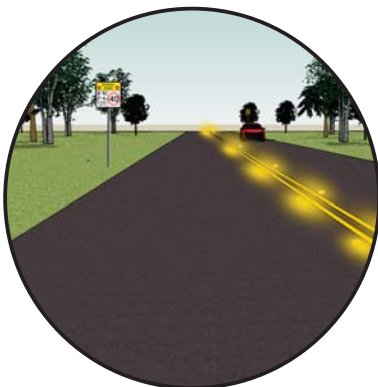
This continuous and repeated runway effect, which is visible up to 400m ahead of the school zone, gives drivers an advanced warning as to the approaching school zone, allowing a longer reaction time. Furthermore, unlike roadside and above-road signals which can sometimes be missed, the beacons span the entirety of the designated zone, meaning drivers have a clear understanding of where the zone begins and ends.

The **SafeZone** system can be integrated with existing school zone signals, acting as a supplementary warning system that enhances the effectiveness of roadside and above-road signals. **SafeZone** is perfectly suited to isolated, un-powered sites as the system is



powered independently by its own solar and battery source. There are no cabling requirements to install the system, which reduces installation costs & increases reliability.

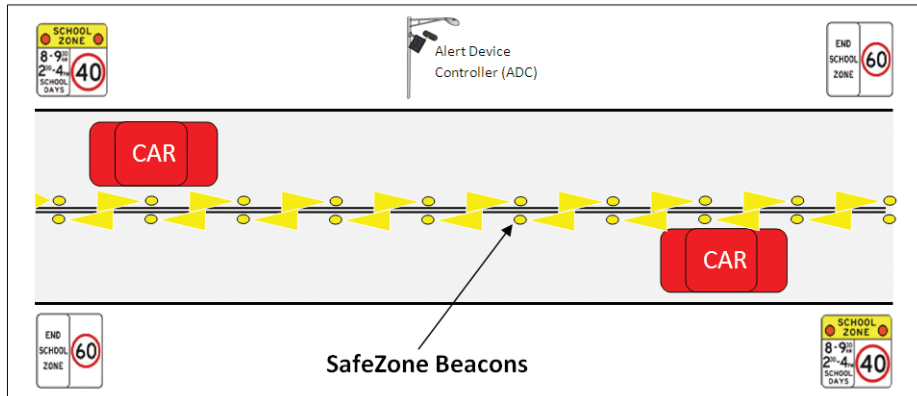
Numerous studies have been conducted that prove in-pavement warning systems reduce traffic speed and increase driver awareness in hazardous situations.



As the driver approaches an 'active' SafeZone School Zone, a series of in-road beacons will alert them to the need to SLOW DOWN. SafeZone gives drivers adequate warning to slow down and reinforces this message for the entire duration of the School Zone.

HOW DOES SAFEZONE WORK?

A typical School Zone Application:



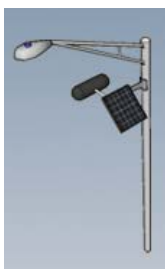
The **SafeZone** School Zone application system is triggered by a calendar-based timer that is programmed into each **IRAD**.

The array of **IRADs** spans the entire length of the School Zone, which adds significant awareness to existing systems such as road-side signs. Timing and strobe patterns can be specified and customised by the Road Authority or Council.

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, ultra-bright flashing LED warning beacons.
- Battery powered
- Wireless control
- Remotely programmable
- Remote diagnostics
- Variable light output

