

# Intellicone®

## Incursion Prevention & Warning



Strategic Road Network

The award winning Intellicone Incursion Prevention & Warning System has a proven track record in preventing incursions and improving temporary work zone safety.

### Challenge

Unauthorised vehicle incursions into temporary work zones are one of the most dangerous hazards of working on roads. Unfortunately, these types of events are still a daily occurrence putting both workers and or vehicle occupants at risk of injury. Due to the nature of overnight roadworks it is nearly impossible to eliminate this risk completely. Alongside the danger posed by vehicles, a recent study also reported that over 80% of road workers have been the victim of physical or verbal abuse, in what industry associations report as a worrying upward trend.

### Solution

HRS have worked closely with industry to develop its award winning Intellicone system. Primarily designed to instantly warn the workforce of a temporary traffic management incursion regardless of location and distance, the system has also demonstrated that it is possible to deploy fewer traffic management operatives whilst improving overall site safety. The latter has resulted in significant net cost savings on some road closures. Not only is this a major financial benefit, it also takes Traffic Management Operatives out of harm's way, the primary objective. *Intellicone* is easy to deploy and is used widely across the Strategic Road Network. The system is recognised as industry Best Practise in the latest Raising the Bar 27 document and videos.



For more information visit [www.highwayresource.co.uk](http://www.highwayresource.co.uk)  
or call us on +44 (0) 800 206 13 19



## How it works:

Intellicone is easy to deploy and provides Traffic Management Operatives with the ability to instantly warn the workforce in case a vehicle forces its way onto site. This is done by pressing the incursion button which raises a local alarm and activates Portable Site Alarms positioned in the work areas or on works vehicles with no limitation in distance.



Portable Site Alarm provides an audiovisual warning to workers

Intellicone makes it possible to electronically alarm full closure points which detect any unauthorized entry remotely. It consists of Intellicone Smart cone lamps which can detect motion and Portable Site Alarm technology. This brings an added deterrent effect to people attempting unauthorized access at full closure points. It has proven on many occasions to significantly reduce incursions by opportunistic road users both on the Strategic Road Network and in rural settings and allows closure points to be monitored remotely.



Wireless Incursion Button for gatemen

The operative can raise a red alarm to signify an errant vehicle incursion and a potential threat to life, or a lower level blue alarm which is a warning that an emergency vehicle, gritter or escorted vehicle is on site. This helps improve site communication, safety and efficiency.



Smart Lamps Detect movement to raise an alarm

## Testimonials:

**"If Intellicone had not been used on this site tonight, I believe one hundred percent someone would have been killed."**

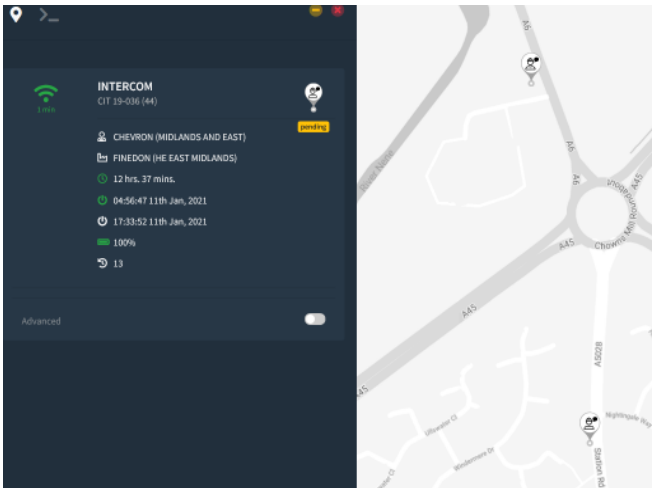
*TM Foreman A21 Whatlington*

**"On a number of occasions, the alarms were triggered by vehicles attempting to enter the site, once the alarm and flashing lights were activated this deterred the vehicles from accessing site."**

*TM Manager on major A1 Bypass Project.*

## Customer Focus:

Customers can be severely impacted by temporary roadworks, especially when they live close to or even within the area where the works are taking place. Communicating effectively with customers trying to navigate around roadworks or getting to their home is therefore essential to prevent frustration and potential harm to the workforce.



All equipment can be monitored remotely

HRS's Customer Communication Terminal helps improve communication with residents and road users affected by road closures. Crucially, it removes traffic management operatives from areas of potential confrontation which also improves operational efficiency.

Residents requiring an escort through the work site can be reached quickly and effectively. By implementing this customer focus-based system we reduce the risk of negative interaction with traffic management operatives and potential incursions into the work zone.



### Case Study - A45 Chowns Mill

Highways England's (HE) Chown Mill roundabout improvement scheme removed an existing foot way and pedestrian route.

A shuttle bus was required to assist pedestrians crossing a busy roundabout.

HRS's CCT were used in 5 locations to replace look outs and provided a means for customers to request a shuttle. In 2020, the CCT's were used approximately 500 times per month, reducing costs, and potential incursions whilst helping HE provide excellent customers service.

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*Intellicone* can be zoned to use secondary gates on large sites. This helps reduce resource requirements and means that it is possible to only warn workers affected by the potential threat.

Each device is connected via secure, cloud-based systems to our device management platform, which tells the equipment how to behave and automatically logs every event for improved data capture and analysis. Real-time site information and the equipment status can be viewed at any time via the online customer information portal.

## Features:

- > Instant warning in case of an incursion
- > Secondary warning level for emergency services or other authorised non-works vehicles
- > 3-tone sirens designed to cut through background noise
- > High visibility LEDs for night and day
- > Easy to deploy and designed to integrate with existing equipment and procedures
  - Prevent incursions and improve customer communication

## Benefits:

- > Deters incursions by alarming road closure points
  - Removes Traffic Management Operatives from
- > points of potential confrontation
- > Instantly warns the workforce regardless of distance
- > Minimises resource requirements on site whilst
- > improving overall site safety
  - Live deployment view and reporting

**Intellicone is easy to use, quick to deploy and has a proven track record.**

**Available for Hire. Minimum term 1 day.**

## About HRS

HRS's mission is to provide technology-based safety solutions that will help to significantly reduce injuries and fatalities in temporary work zones, whilst providing the travelling public with accurate real-time information. Our digital solutions have been proven to safeguard workers on many occasions whilst also delivering net cost savings in temporary traffic management.

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