

**BROCHURE**

# Intellicone® Smart Taper



HRS' award winning Smart Taper System delivers real-time information on temporary traffic management deployments. This provides unprecedented transparency and creates opportunities for automation of road space management and provision of real-time updates to road users. Smart Taper also gives instant taper strike alerts which helps traffic management teams keep the road network safe for both road users and road workers.

## Challenge

Managing network occupancy is a challenging task and requires an approach that ensures the safety of road workers and road users whilst minimising disruption and maximising output. Current processes require manual road space booking and verbal calling - on and off - of road works. Due to the timing of overnight roadworks this creates bottlenecks in control room environments which can lead to delays in traffic management installations, resulting in reduced output. Subsequently, this can lead to a requirement for additional road closures, inconveniencing road users and negatively affecting network availability.

In addition to these challenges, there is the operational requirement to inspect and maintain traffic management equipment ensuring that it remains intact to protect road workers and road users. Current processes require routine inspections which could leave cone strikes (a common occurrence) undetected for significant periods of time. This is a serious safety risk to both road users and road workers.

## Solution

HRS have worked closely with industry to develop its award winning Intellicone Smart Taper system. Smart Taper integrates seamlessly with existing equipment and operating procedures and provides real-time data on temporary traffic management deployments. HRS's Smart Work Zone Management System uses intelligent geozoning technology to provide accurate on and off times, location and works details. This allows traffic management operators to proactively manage their works whilst providing opportunity to automate wider road space management.

The ability to detect taper strikes means that traffic management crews can be quickly directed to an incident location to recover debris from the carriageway and reinstate the traffic management.

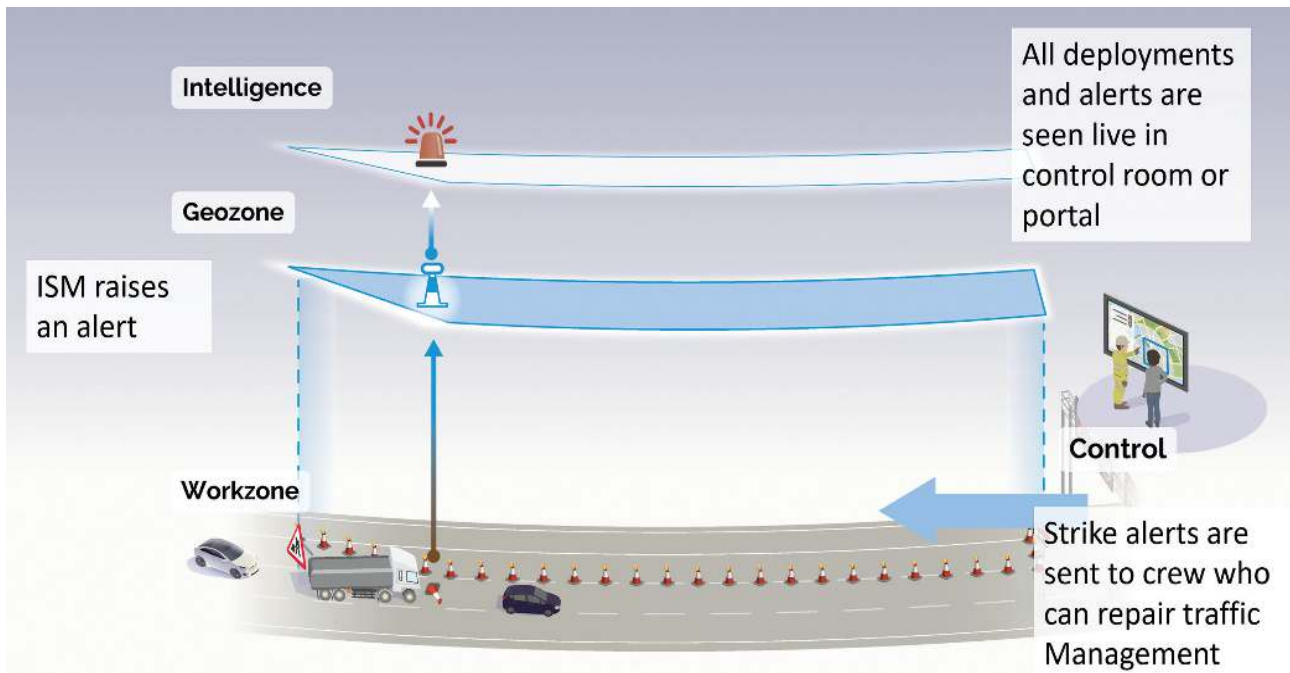


For more information visit [www.highwayresource.co.uk](http://www.highwayresource.co.uk)  
or call us on **+44 (0) 800 206 13 19**



## How it works:

1. HRS create a geozone which is a digital twin of the work site
2. Smart Taper is deployed as part of the normal traffic management
3. Deployment visible in real-time and deployment and strike alerts are sent to relevant contacts



**“We received an alert that a taper had been severely damaged with over 30 cones hit enabling an instant response. This was imperative as a strike of such severity could have caused accidents and endangered the workforce”**

*TM Supervisor West Midlands.*

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 to help improve data capture and analysis. Real-time site information and the equipment status can be viewed at any time via the online customer information portal.



Smart Battery makes existing taper lamps smart

### Features:

- > Real-time roadworks information
- > Taper strike detection
- > Portal with ability to view historical data on-demand
- > Ability to interface with third party systems

### Benefits:

- > Real-time visibility of roadworks deployments
- > Instant taper strike notification and rapid response
- > Ability to automate road space management
- > Provide accurate real-time information to road users

## 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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