IRS2 Hardwired Intelligent Road Studs

Flexible hazard warning road stud solutions

Hazard Warning

Clearview Intelligence's Hardwired Intelligent Road Stud (IRS) Systems have been specifically developed to reduce the number of road accidents and increase safety for all road users.

The innovative and flexible design of Clearview's hard-wired studs provides drivers with advance awareness of the road ahead, giving them more time to react accordingly.

Suitable for a wide range of applications from dynamic lane marking to pedestrian crossing systems, the revolutionary intelligent road studs are effective in all lighting conditions,making them a clear choice when it comes to improving safety on our roads.

Cost effective

Easy to install, the intelligent road studs are embedded in the road and are unobtrusive to motorists, motorcyclists, cyclists and pedestrians alike. With low maintenance and low power consumption they are leading the way for traffic guidance and hazard warning.

Clearview's hardwired studs are increasing safety around the world, installed in locations including Ireland, France, Holland, Australia and California.

IRS2 Features & Benefits

- **Low maintenance and running costs** with low power consumption
- **Easy to install** embedded in the road, unobtrusive to motorists, motorcyclists, cyclists and pedestrians
- **Increased road capacity and reduction in congestion** when used with dynamic road marking schemes
- **Proven to help reduce lane 'drift'** on spiral roundabouts
- **Highly visible** in poor weather
- **Proven increase in safety** at pedestrian, railway and tram crossings
- **Up to 1000m visibility** modular design / upgradeable Programmable functionality Profile less than 4mm
- **Integration** with and activation by 3rd party traffic control devices
- **Switchable** uni and bi-directional capability

IRS2 Hardwired Intelligent Road Studs

These revolutionary intelligent road studs are suitable for a wide range of applications:-

Dynamic Lane Marking Systems

- Lane delineation and control
- Roundabout and lane control
- Tunnel delineation
- Tidal /contra flow/ lane reversal (incl: one way sytems)
- Congestion relief / reduction
- Optimisation of road capacity
- Toll/Terminal plazas - incl: bridges, tunnels, ports and airports

Crossing Systems

- Pedestrian crossing systems
- Level/railway crossing systems

Incident and Queue detection

Technology to identify and warn of incidents in the flow of traffic. Detection and warning of queues or slow moving traffic using a combination of Clearview Intelligence technology.

Lighting the way

When used in conjunction with road capacity and expansion schemes, dynamic lane marking using Clearview hardwired studs can increase highway capacity and reduce congestion. Clearview's high brightness hardwired road studs provide enhanced delineation during periods of poor visibility whether during the day or night from activation by an external fog sensor. Our intelligent road studs are effective in all lighting conditions helping improve safety on the roads.

Vehicle area cordon

Providing high visibility delineation of immediate hazards to passing pedestrian and road traffic, helping to increase the safety of those within proximity of a potentially hazardous situation.

Hazard Warning

With the increase in active travel the need to protect vulnerable road users has become a priority for authorities. This has led to more innovative use cases for the IRS2 including Cyclist Awareness and Protection Schemes

Illuminating Intelligent Road Studs (IRS2) were deployed at the intersecting junctions providing guidance to the cyclist and awareness to the driver. The detection of cyclists approaching the junction triggers the IRS2 highlighting to both cyclist and driver potential collision.

Dynamic Lane Delineation

Installation of IRS2 Hardwired Road Studs linked to traffic signals provides enhanced lane delineation to aid traffic flow and reduce the number of incidents that occur due to lane transgressions. Clearview have installed this type of solution in various situations where inadvertent lane transgression and collision rates are high with documented evidence of the positive effects that IRS2 delivers in reducing lane transgression.

t: +44 (0)1908 088008

e: info@clearview-intelligence.com

Head Office: Aurora House, Deltic Avenue, Rooksley, Milton Keynes, MK13 8LW

Clearview Intelligence

www.clearview-intelligence.com