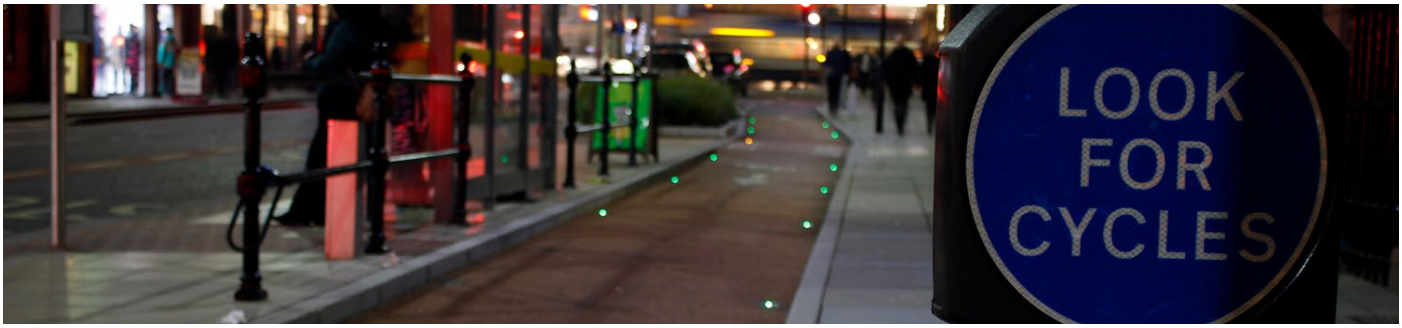
Clearview Intelligence

Company Overview

Making places safer, greener, smarter

Providing innovative road safety solutions and data services for 50 years.



Welcome to Clearview Intelligence

Clearview Intelligence has been at the forefront of innovation in traffic management and intelligent transport systems for over five decades. Our journey has been marked by constant iteration, innovation and invention, from pioneering the first automatic traffic counter and solar-powered road studs to developing the cutting-edge Insight AI computer vision system and the development of smart solar powered stud technology.

Our Mission

At Clearview Intelligence, our mission is clear: to make places safer, greener and smarter. We achieve this by offering a comprehensive range of products and services that cover route safety and data service solutions. Whether it's enhancing road safety measures or implementing cutting-edge smart mobility solutions, we are dedicated to driving positive change.

Our Vision

At Clearview Intelligence, we are dedicated to making journeys safer and transportation systems more efficient, utilising our innovative products, solutions and expertise to create a better future for all. Our vision is:

- **Safer:** Improving safety for all users on our transport networks and helping organisations achieve the Vision Zero aims of eliminating all traffic fatalaties and severe injuries.
- **Greener:** Continue to innovate and deploy sustainable products and solutions to work towards Net Zero for Clearview and for our partners and clients.
- **Smarter:** Utilise data and technology to improve citizens lives through the use of Smart Mobility solutions.

Our Approach

Located in Milton Keynes, UK, our dedicated team of Research and Development engineers are at the core of Clearview's success. They design and develop products in-house for our Route Safety and Data Services solutions utilising both hardware and software development. As part of our commitment to a quality sustainable supply chain, all of our hardware products are "Made in Britain" within 30 miles of our head office.

Our commitment to excellence pervades all aspects of our organisation including our comprehensive design, service and support teams who install and maintain solutions based on both in-house and third party products to achieve the desired outcomes for our clients

Our culture is based on one of safety, trust and respect and is highlighted with our adherence to ISO 14001:2015, and ISO 45001:2018 standards, resulting in over 400,000 incident-free working hours since 2017. Clearview Intelligence was the first company to be awarded the "Healthy Workplace" status in Milton Keynes.

SILVER ACCREDITED HEALTHY WORKPLACE

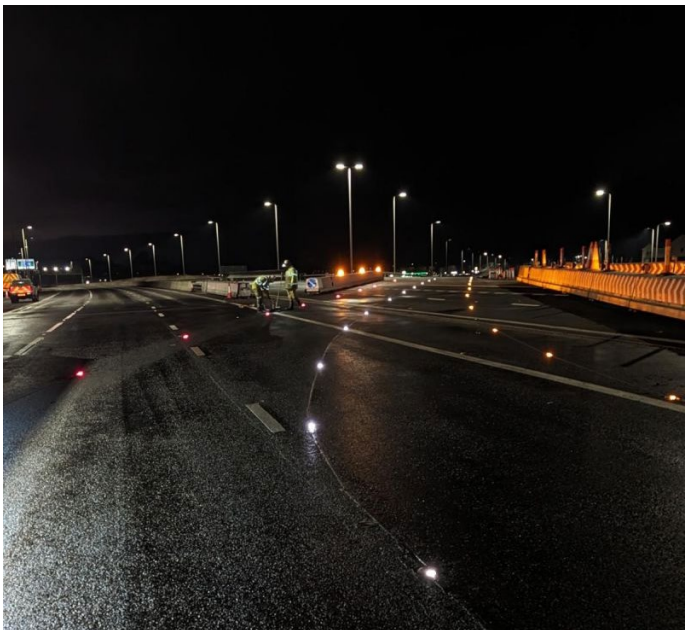
MADE IN BRITAIN ®

Products, Solutions & Services

As a Product Developer, Solutions Provider and Service Partner, we offer a wealth of expertise in helping our clients meet their objectives and goals.

Innovation lies at the heart of our offerings, be that through the development of our own products or the seamless integration of industry-leading third-party products.

- **Product Design and Development** - At the core of Clearview Intelligence is our ability to develop our own innovative products. From our award winning Insight Platform through to our sustainable SolarLite active road studs and automatic traffic counters, technological development is in our soul.
- **Route Safety Solutions** - Leveraging cutting-edge technology, we focus on enhancing route safety to protect and save lives. Our solutions prioritise improving visibility of hazards, protecting vulnerable users and influencing driver behaviour for the benefit of all.
- **Data Services Solutions** - Harnessing technology, we provide data - driven solutions aimed at turning data into intelligence through sensors, data collection and advanced analytics.
- **Support Services** - Finding a solution is just the beginning. Our teams can provide ongoing support for any application, from a simple extended warranty to a fully managed data service. We meticulously tailor each solution to meet specific requirements, ensuring optimal performance, reliability and accuracy in any environment.



Connex

Modular Hardware Platform

Connex is our modular hardware platform, designed with the ability to be extended to support new functionality and future requirements. The Connex hardware platform is easily integrated into third party systems through the provision of a common architecture and open standards interface.

Insight

Data Management Platform

Insight is our Data Management Platform and provides a suite of applications for the monitoring, management, reporting and analysis of multi-modal transport systems and associated environments. Utilising data from a variety of sources, including IoT Sensors and API Services, Insight can be used standalone or as part of a Smart Cities environment.

SolarLite™

SolarLite is a range of solar-powered road studs designed to improve night-time safety on roads and paths. The SolarLite products are proven alternatives to traditional retro-reflective studs with 10x the visibility range and are a viable alternative to mains powered lighting.
In addition, our Intelligent Active Road Stud (IRS2) provides the ability to be dynamically activated providing an ideal solution for crossings and hazard warnings.

Data Services

Data and Technology

For over 50 years Clearview have designed and developed products and solutions for the collection, processing, analysis and dissemination of data related to transportation and traffic management.

These services are crucial for enhancing the efficiency, safety and sustainability of transportation networks. They leverage a variety of data sources, including sensors on roads, connected vehicle data, computer vision systems and more, to provide actionable insights and facilitate intelligent decision-making.

Smart Mobility

Smart mobility refers to the use of digital technology, data analytics and connected devices to improve transportation systems, making them more efficient, sustainable and user-friendly. At Clearview we achieve this in four ways:

- **Collect** data from sensors and feeds for real-time or historical use
- **Monitor** the pefomance of connected assets to ensure reliable and consistent data flow
- **Analyse** using a suite of reporting tools to enable both self-service basic reporting and in-depth analysis
- **Inform** users through dashboards, focused applications and simple API's for third party integration

Insight Platform

Insight provides a single cloud based application for device management, data collection, and analysis. A vendor agnostic solution with a set of specialised applications for enhanced usability.

- **Insight Places:** Provides vital data on people, transport and the environment. Including video analytical capabilities for object detection, recognition and multi-modal analysis.
- **Insight Journey:** Uses crowdsourced data to determine travel times, identifying network incidents.
- **Insight Parking:** Monitors and analyses parking assets, providing usage reports and live data.

Connex Platform

Our Connex hardware platform is engineered for adaptability, featuring a modular design, uniform architecture and commitment to open standards interfaces.

- **Connex Traffic:** Connex Traffic is the latest generation of automatic traffic counter designed to provide a high degree of flexibility and accuracy.
- **Connex Active:** Pedestrian and Bicycle classifier for active travel detection and analysis using non-invasive LIDAR.

www.clearview-intelligence.com/solutions/data-services/

Route Safety

At Clearview Intelligence we specialise in route safety solutions, leveraging innovative technology to enhance road safety for all users. Route safety solutions positively influence driver behaviour and help reduce the likelihood of collisions occurring. Our applications cover a wide range of areas, ensuring safer journeys through:

Hazard Warnings

The aim is to **reduce road crash** incidents by highlighting hazards to drivers. Our SolarLite products provide im-proved night time visibility as well as solutions for **Junction Safety**, **Queue Protection, Bridge Strike Protection** and **Road Condition** monitoring.

Vulnerable Road Users

Pedestrians, cyclists, and motorcyclists are at higher risk in traffic due to their lack of protection. **Smart Pedestrian Crossings** and **Cycle Protection Schemes** are just two of the ways we help protect vulnerable users. Utilising our intelligent Road Studs and our Connex Platform to detect active travel users and warn drivers of their presence.

Influencing Driver Behaviour

Influencing driver behaviour for route safety involves encouraging drivers to comply with **speed** limits, prevent **wrong way driving** and **lane transgressions** and maintain-ing **safe distance** between vehicles.

Each solution is designed to meet the clients objectives, budgets and environmental challenges. Our solutions team utilise both in-house and third-party products to provide solutions that deliver results and improve safety for all.

Active Road Studs

Unlike retro-reflective roads studs that require direct beams from headlights to be visible, our active road studs use built-in sensors to automatically illuminate at dusk and turn off in daylight. LEDs in active studs provide enhanced visibility compared to retro reflectors giving drivers more time to react to changes on the road whilst improving safety for all road users at night and as a viable alternative to highway lighting.

Active Roads Studs

SolarLite Flush - low profile smart, safe sustainable solar powered stud - installed flush with the road surface

SolarLite Surface - surface mounted and solar powered for edge delineation and where flush mounting may not be possible

SolarLite Path - in-ground stud specifically designed for footpaths, cycle paths/routes

IRS2 - hard-wired highly visible in-road lighting system for all day running and control by connected technology

www.clearview-intelligence.com/solutions/route-safety/

Corporate and Social Responsibility

Clearview and Sustainability

At Clearview, we've long recognised the importance of sustainability and the impact of climate change on our operations. We have implemented various initiatives to reduce our environmental footprint, enhance employee well-being, and support the communities we serve. However, we are committed to doing even more: Clearview 2050 embodies our commitment to reducing environmental impact while fostering societal and economic benefits. Built on three core values:

- **Purpose - Vision Zero:** Developing products and services to achieve zero fatalities and injuries on roads and in places.
- **People - Beyond Zero Harm:** Providing a safe, inclusive, and diverse workplace where all individuals, including our supply chain are supported to reach their full potential.
- **Planet - NetZero:** Achieving NetZero across all business operations by 2050.

al's pals

Supporting cancer patients and their families in hospital, at home, online and in the community.

FRIENDS of WILLOWBANK

Health, Wellbeing and Corporate Responsibility

Clearview Intelligence prioritises staff health, fostering a culture where employees openly discuss various topics covering both physical and mental health.

Our commitment extends to corporate social responsibility initiatives, including volunteer opportunities with our chosen local charities such as Friends of Willowbank and ALS PALS . Additional CSR commitments include road safety initiatives around schools, a stop smoking campaign, participation in World Sleep Day, supporting the MK Can Logo Challenge and involvement with various community events such as RoadPeace Challenge Week and STEM initiatives. We have also engaged with wider communities offering advanced driver training courses with IAMRoadSmart.

Safety is our Top Priority

Our field-based engineers undergo comprehensive training tailored to their roles, ensuring they are equipped with the knowledge and skills necessary to navigate any situation safely. Additionally, all staff members have access to an online safety training platform, allowing them to stay up to date with industry standards and best practices.

Clearview have a dedicated H&S team that drive new safety initiatives, monitor regulations, identify potential risks and implement proactive measures to mitigate them. Their commitment to safety excellence ensures regulatory compliance and fosters a safety-focused culture company-wide.

Quality Management

Quality control is a fundamental part of Clearview's Integrated Management System continually refining processes for improvement and delivering superior products and services. Certified to ISO 9001:2015 and National Highways Sector Scheme 8, we ensure robust procedures for customer satisfaction.

Our Awards and Successes

We proactively engage with our local business communities, and we are delighted to have won awards in 2022 and 2023:

- SME of the Year at the MK Business Awards 2022
- Carbon Champion of the Year at the Scottish Digital Technology Awards 2022
- Winners of the Technology Award at the MK Business Awards 2023
- Finalists of the Mental Health & Wellbeing Award 2022 at the Highways Awards

Join us on our journey

Global Partners

Clearview Intelligence extends its reach globally through strategic partnerships, collaborating with local providers to deliver intelligent transport solutions across the world. By working with partners who possess extensive knowledge of their local markets, we can tailor our solutions to meet the specific needs and challenges of each region. This approach ensures that our international customers receive the same dedicated service and expertise that we pride ourselves on in the UK.

If you're interested in learning more about our innovative solutions as a channel distributor or are considering partnership possibilities, please feel free to get in touch.

Clearview Intelligence

Partnerships and Collaborations

At the heart of our ethos lies a culture of collaboration, working closely with clients, partners and the wider supply chain. Together we can foster innovation and deliver tailored solutions. Our projects range from large-scale improvement schemes to targeted interventions aimed at resolving specific challenges.

We work with a broad range of Government bodies, road network operators, regional trunk road agents, road operators and local authorities, all of which aim to deliver a well maintained, efficient and resilient network that ensures safe, reliable journeys for all users.

Why choose to work with Clearview

Hull – The Stoneferry Corridor

"From our very first engagement with Clearview Intelligence, it was encouraging and reassuring that they understood the challenges the council faced with the scheme and, more importantly, that they were confident they could provide suitable solutions.

"Hull City Council worked with Clearview throughout the Stoneferry Road Corridor scheme to identify specific areas of concern and prioritise what technology solutions were needed. This culminated in a list varying from active travel safety solutions to bridge collision avoidance technology.

"The active travel safety devices are used each and every day, with the numbers recorded now on a steady increase. The technology, in line with recent changes to the Highway Code, gives full priority to the most vulnerable users, including pedestrians and cyclists.

"These side road designs not only include technology to raise awareness of vulnerable users to unsighted motorists, but they also include a raised table across the bell mouth entrance. The raised table helps to calm traffic speeds and alters the height to match the adjacent shared footpath and cycleway, so that there are seamless transitions across for cyclists and pedestrians."

Sean Higgins, Intelligent Transport Systems Manager at Hull City Council

Start your journey with Clearview Intelligence today

Thank you for taking the time to explore Clearview Intelligence. As you have learned, our commitment to innovation, excellence and sustainability drives everything we do.

Contact us now to discover how Clearview Intelligence can elevate your organisation with cutting-edge solutions and exceptional service. Together, let's create a safer, greener and smarter future.

Want to know more?

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