

# clearway labs

## A Smart Vision for the Future

**At Clearway Labs we turn unstructured data from cameras into structured, actionable insights, providing valuable reports designed to help mitigate risk and monitor safety and compliance, helping our customers better protect their people, property and assets.**

We offer a suite of IoT (Internet of Things) devices alongside development, project management, and consultancy services, designing custom models that can be used in applications across practically all sectors, from transportation to finance, healthcare to education, and hospitality to construction. Leveraging true AI with a “Deep-Learning” approach to deliver highly accurate results which can be relied upon in high-integrity and safety critical applications.

**The integration between our smart devices and fully accredited Alarm Receiving Centre (ARC), coupled with our ability to share data in real-time with our customers, is what sets us apart from the competition.**



Stopped vehicle detection



View and interrogate data quickly and easily












View different IoT devices geographically



Abandoned object/people recognition

Our platform is cloud-based but also supports edge computing, allowing analytics to happen locally on devices like cameras, especially when they're not always connected to the internet. This hybrid approach ensures we can operate efficiently across a variety of different use cases:

Use cases	Description
 <b>Intrusion Detection with Virtual Fencing</b>	Virtual fencing creates an invisible boundary around a designated area, triggering an automatic alert when this boundary is breached, enabling a rapid response. Ideal for protecting large perimeters, such as critical infrastructure or remote sites, where traditional fencing may be impractical. Virtual fencing enhances security by providing real-time monitoring and automated alerts, ensuring that any unauthorised access is quickly identified and addressed.
 <b>People Recognition</b>	Enables the precise detection of individuals within a specified area, identifying when a person enters or lingers in a restricted location, such as a construction site or a secured facility. With real time monitoring and automated alerts, this technology not only helps prevent unauthorised access but also ensures rapid intervention in situations where human presence could indicate a potential threat.
 <b>PPE Detection</b>	Enables remote PPE monitoring and compliance of three classes of PPE (Helmet, Vest and Trousers) with immediate alerts to your onsite Health & Safety representative(s) and insightful compliance reports with actionable data, allowing for swift measures to be put in place to improve your overall safety and compliance, reducing your risk and liability.
 <b>Stopped Vehicle Detection</b>	Our stopped vehicle detection harnesses the power of AI CCTV analytics to identify the presence of a stationary vehicle quickly, determine the likely impacts, and automatically dispatch alerts as required to activate an appropriate deployment.
 <b>Vehicle Speed Analysis</b>	Enables the precise identification and logging of vehicle speeds as they pass through a designated area, providing crucial data for monitoring and managing traffic flow. This technology not only tracks the speed of individual vehicles but also helps identify patterns, such as peak traffic times or areas prone to speeding. By analysing this data, authorities can make informed decisions to improve road safety or optimise traffic flow.
 <b>Vehicle Identification and ANPR</b>	Vehicle identification and Automatic Number Plate Recognition (ANPR) software on highways are essential tools for enhancing road safety and security. We can support with vehicle counting, classification, wrong-way detection and numberplate recognition, improving overall highway management and safety.
 <b>Litter Detection</b>	Serves as a powerful tool to deter littering and fly-tipping by identifying and responding to discarded objects in real-time. When a vehicle is involved, the system can be integrated with Automatic Number Plate Recognition (ANPR) to accurately identify the vehicle responsible for the dropped or abandoned item and immediately alert the appropriate authorities, enabling swift investigation and/or enforcement.
 <b>Abandoned Object Detection</b>	Quickly identifies the potential threat posed by abandoned or dropped objects within a monitored area. Upon detection, the appropriate teams or authorities can be alerted, enabling a rapid response to assess the situation. This proactive approach ensures that any suspicious objects are promptly investigated and if necessary, appropriate actions taken to mitigate potential threats, enhancing the overall safety and security of the environment.
 <b>Event/People Detection</b>	Detecting an event or people in a dangerous or hazardous area, such as on a railway track or a highway overpass can add an essential layer of safety and play a crucial role in accident prevention on roads and railways. When a person is detected in these high-risk areas, the system can automatically alert authorities, allowing for rapid intervention.

Contact the team today for more information

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