HS2 Contractor iDefigo Vodafone Case Study

Helping To Monitor And Protect HS2 Construction Assets

iDefigo's partner Vodafone, work with a leading construction company who are responsible for civil engineering works on a large section of the HS2 railway project. The company has invested in Vodafone Smart Wireless Camera, an alternative to temporary CCTV, provided by iDefigo, to address their need to secure and protect vulnerable assets in remote locations.

Issue

The ambitious and complex HS2 construction project requires some extremely expensive plant machinery, upwards of £200,000 in value. This is often stored in remote and vulnerable locations until being moved and brought into use and then transported back to a storage location. After the theft of one of these items, a solution was needed to protect these vital assets, but the remoteness of the locations has meant that traditional wired Construction Site CCTV systems were not viable.

Further to this initial requirement, the company is experiencing the continued risk of disruption from HS2 protestors who are traversing perimeters causing safety and security issues on active construction sites and to vacant properties that have been acquired through the scheme.

Solution

Vodafone's Smart Wireless Camera was selected to initially protect the expensive plant machinery, stored at remote locations where fixed broadband and mains power are not available, using several cameras to protect each item of equipment. The cameras can be easily and rapidly deployed by the company's own security managers negating the need for additional contractors and Health and Safety risks on site. The managers can view the captured footage on a central iDefigo powered cloud-based monitoring platform.

The initial solution comprised of thirty, two camera bundles with battery power and Vodafone IoT connectivity, which can be deployed anywhere due to their wireless nature.

The cameras can be set up to be active at certain times of the day i.e., when works have stopped on a location through the night and to also use computer vision software to detect if there is a person in the live or recorded footage so that an alert can be raised.

Result

Combined with the risks of plant machinery theft and the security challenges posed by HS2 protestors, the cameras have been deployed to address a range of challenges that require monitoring and protection including the following:

- Monitoring remote perimeters

- Protecting vacant and empty property

- Monitoring expensive plant machinery

- Monitoring site access points

The security team can rapidly respond to ongoing events when they occur. In addition, visual recorded evidence has been captured and studied to aid in the investigation of perimeter breaches.

A key benefit is that it provides the security team a means to rapidly "shore up" vulnerable parts of the site, works and strategic assets in a rapidly deployed cost-effective manner.

Monitoring expensive plant machinery and capturing evidential footage can improve the likelihood of equipment recovery in the event of theft and support prosecution. In addition, preventing theft helps to reduce the impact of increased insurance premiums.

About iDefigo

iDefigo, a UK-based specialist in hardware and software solutions for remote surveillance, has a Smart Camera solution which directly addresses the challenges that come with monitoring the most common sites for fly tipping. Unlike CCTV, the Smart Camera offers high-grade cameras that are easily installed anywhere at low cost.

The Smart Cameras capture events that matter and transmit images to any device, 24/7, with no on-site power, networking, or integration required. Importantly, the cameras send alerts when a trigger event has occurred, such as attempted theft or trespass.

Visual intelligence. Anywhere.

iDefigo

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