

# Traffic and Transport: Essex Highways



## The Challenge

Essex Highways were undertaking road improvements within the County, which required traffic to be diverted through a small village to bypass the road works.

During peak times, traffic flow became an issue and caused major congestion not only through the village, but through the surrounding road networks.

Essex Highways needed a redeployable system to monitor the traffic flow, enabling traffic light signals to be controlled manually in a bid to ease congestion, without having to deploy workers on site.

## The Solution

Essex Highways were able to deploy a WCCTV Fuel Cell Tower to remotely monitor traffic flow and control the traffic lights accordingly.

The WCCTV Fuel Cell Site Tower is a totally autonomous rapid deployment CCTV tower which runs off methanol fuel cells.

With remote access via mobile networks such as 4G, users can dial into the camera from any control room, smart phone or tablet using the WCCTV Software.



# WIRELESS CCTV CASE STUDY

[www.wcctv.co.uk](http://www.wcctv.co.uk)

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## The Result

Essex highways were able to successfully monitor and manage the traffic from a remote location using a WCCTV Fuel Cell Tower.

Being able to view live footage from congested areas, the Essex Highways team were able to diffuse traffic through the village, which also had greater impact within the surrounding areas.

By closely monitoring the site, disruption caused by the road works and area diversion was quickly reduced, hugely benefiting both commuters and local residents.

Once the project was finished, Essex Highways were able to quickly redeploy and easily install the Tower onto a new site.

## The Quote

*"We looked at a number of solutions to temporarily monitor the operation of a signalised junction in a relatively remote location. The Fuel Cell Tower offered by WCCTV was the ideal solution as the unit was completely self-contained, simple to install and provided Essex Highways with a cost effective solution."*

*"We were very pleased with the solution and customer service provided by WCCTV and we are planning further deployment of WCCTV temporary monitoring facilities at a number of locations in order to assist us to manage the highway network more efficiently, improve road safety and reduce journey times for the public."*

*- Essex Highways*

## The WCCTV Fuel Cell Tower

The WCCTV Tower is an all-in-one surveillance solution containing 4G mobile phone technology to allow the transmission of video alarms. It also includes a heavy duty infrared 360° pan, tilt and 36x zoom camera to allow a remote operator to capture images of any incidents and activity, and audio speakers to enable remote commands.

WCCTV's Fuel Cell Tower is a totally autonomous version of the WCCTV Site Tower, running off methanol fuel cells which offer uninterrupted power for up to 8 weeks of power before refuel is required.

No external cages/tanks are required for fuel. Ideal for sites without power or transient works.



## Features & Benefits of the WCCTV Fuel Cell Tower

- Autonomous power for up to 8 weeks
- Proactive site protection and monitoring
- Up to 75% cheaper than manned-guarding
- Wireless detectors provide an invisible perimeter
- Industry-leading ruggedised PTZ camera with IR capability as standard
- Battery back-up activated and alarm raised on power disconnection

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