

# Traffic and Transport: M5 Junction 24 - Bridgwater



## The Challenge

Huntworth roundabout, Junction 24 of the M5, was undergoing major regeneration to help ease congestion during peak times.

During this time, Somerset County Council were required to monitor the traffic flow onto the roundabout. However, as part of the works, all light columns were removed meaning there was no power to run existing CCTV cameras.

Somerset County Council needed a self-contained, self-powering solution with a high vantage point to monitor the regeneration site.

## The Solution

WCCTV were able to provide Somerset County Council with a Fuel Cell Site Tower to remotely monitor the regeneration works and traffic flow.

The totally autonomous, rapid deployment CCTV Tower runs off methanol fuel cells and can provide the user with remote access to live and recorded footage over mobile phone technologies for up to 8 weeks before a refuel is required.

The WCCTV Fuel Cell Tower is available on rental basis for both short and long term projects to ensure the site can be monitored 24/7.



# WIRELESS CCTV CASE STUDY

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

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## The Result

Somerset County Council were able to deploy the Fuel Cell Site tower for an initial rental period of 28 weeks to monitor the traffic flow and congestion on the Huntworth Roundabout.

With remote access to live and recorded footage, Somerset County Council could dial into the camera from any computer, smart phone or tablet using the WCCTV Software.

If congestion began to build up, the council were able to utilise resources to diffuse the high volume of traffic to ensure all road users faced little disruption to journeys during the regeneration period.

## The Quote

*"An initial search showed very few companies were able to provide a package that suited our requirements of a high vision point, self-contained power and rental rather than purchase.*

*The WCCTV Fuel Cell Tower has been perfect for our needs on this project, everything arrived on time, as planned and WCCTV staff have been replenishing the fuel cell (every 6-8 weeks) when it self-reports that the fuel level is getting low. The inbuilt security to detect tampering, with remote 24/7 coverage of this element has given us peace of mind and reduced our insurance cost estimate."*

**Somerset County Council**

## 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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