



DETER. DETECT. DISPATCH

# Case Study

## STRESS Engineering Services - Site Security

T: +44 (0) 800 470 4630

E: [sales@wcctv.com](mailto:sales@wcctv.com)



Property of Wireless CCTV Ltd 2025. All rights reserved.





# Case Study Background

Full Case Study

STRESS Engineering Services was contracted by Blaenau Gwent Council and the Welsh Government's historic environment service, CADW, to undertake restoration work on the 200-year-old Big Arch in Ebbw Vale.

Constructed in 1813, the Big Arch is one of the largest early horse-drawn railway bridges in Britain and symbolises the town's place in history regarding their iron and steel making in Wales.



## → The Challenge

Due to the nature of the site's location, being in a busy mixed-used commercial and residential area, STRESS required a proactive security system to protect its worksite from intruders and eliminate the risk of plant theft. Both of which would cause significant delays to the project.

The long, narrow spacing of this project and tall embankments required a system that would pick up activity within a 360° area with no disruption from false alarms and alerts.



# The Solution?

## Rapid Deployment CCTV Towers

Full Case Study

1

We supplied STRESS with two Solar Powered Rapid Deployment CCTV Towers; a self-powered security system backed by a fully-managed service that included installation, alarm monitoring, ongoing maintenance, support, and performance reporting.

2

Throughout the project, we protected the front and rear of the site with our CCTV Towers. Standing up to 6m in height and painted bright yellow, they acted as a strong criminal deterrent towards any unauthorised visitors to the site.

3

Additionally, we deployed a static camera and multiple wireless detectors throughout the site to ensure full coverage of any unwanted trespassers that may seek cover behind their cabins. By doing so, this removed the need for cameras to be moved in order to view and cover these areas.



# Key Success Factors

[Full Case Study](#)



WCCTV's systems visibly deterred unauthorised site access, eliminating potential crimes.



The cameras 360° coverage ensured full site visibility throughout project duration.



WCCTV's remote access options allowed live checks and emergency responses.



The two solar-powered towers operated without external power sources.



The towers audio warnings actively deterred potential intruders in real-time.



WCCTV's extensive support helped complete the project safely and on schedule.



# Key Features

## Rapid Deployment CCTV Towers

Full Case Study

WCCTV is the UK's leading provider of Rapid Deployment CCTV Towers, specifically designed to provide an all-in-one site security solution for temporary sites such as construction, demolition and highways infrastructure projects.

Our range of solutions include:

- WCCTV Eco Tower [Link](#)
- WCCTV Solar Fuel Cell Tower [Link](#)
- WCCTV Thermal Solar Tower [Link](#)
- WCCTV Smart Tower [Link](#)
- WCCTV Traffic Management Tower [Link](#)
- WCCTV Network Rail Tower [Link](#)



### Managed Service

All WCCTV's Rapid Deployment CCTV Towers can be provided as part of a managed security service, including: equipment installation, alarm monitoring, maintenance, connectivity and ongoing training & support.



### Deterrent Factor

At 6m tall and painted bright yellow, WCCTV's Rapid Deployment CCTV Towers are an immediate show of force at your locations. We enhance this by adding loudspeakers, flashing lights and sirens to prevent crime.



### Relocatable

The portability of our Rapid Deployment CCTV Towers allows for seamless repositioning and redeployment to adapt to your changing security requirements.



### Advanced Tech

Our high-quality cameras deliver full pan, tilt and zoom control, infrared imagery for day & night detection, enhanced AI video analytics and the highest-quality resolutions.

# The Result

Full Case Study

Our fully-managed CCTV services ensured that STRESS's worksite always remained protected throughout its construction. This prevented potential losses or delays, meaning they completed the project on schedule.

Furthermore, the site manager was able to dial into the cameras remotely to check on the project's progression and to ensure there were no emergencies that may have occurred due to the uncertainty of the weather.

"The peace of mind that comes with having a good camera system in place as a preventative measure really helps you sleep at night." - Richard Carter, Site Manager for STRESS UK at Big Arch Ebbw Vale.



STRESS





# Time Lapse Services

[Full Case Study](#)

STRESS



## Ebbw Vale's Big Arch Refurbishment

WCCTV's Time Lapse Video services are the perfect way to document your construction or demolition project. They monitor progress, celebrate milestones and ensure your project runs smoothly with our cameras.

Our team of professional engineers and video editing experts will work closely with your teams to understand your objectives and key milestones to ensure you receive a video that captures your project perfectly.

[Learn More About Time Lapse Video](#)

# Interested?



**DETER. DETECT. DISPATCH**

Interested in WCCTV Rapid Deployment Towers?  
Please feel free to contact us on:

(0) 800 470 4630



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



[sales@wcctv.com](mailto:sales@wcctv.com)



HQ: Rochdale (OL16 4NW) with offices nationwide



*Wireless CCTV's mission is to create and deliver customer-driven, world-class mobile surveillance solutions through the innovative use of wireless technology.*

