WCCTV

Step-by-Step Guide to Deploying Your CCTV Tower

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5-Step CCTV Tower Deployment Process

Security technology has advanced significantly over the years, with mobile CCTV Towers becoming the go-to solution for protecting construction sites, vacant properties and critical infrastructure projects against criminal behaviour.

But many first-time users worry about the complexity of installation, assuming these advanced systems require technical expertise and lengthy setups.

In this guide, we'll walk you through the 5-step process we use to install CCTV Towers across the UK, ensuring maximum protection, minimal maintenance and complete peace of mind. This process includes:

1 Site Assessment **2** Equipment Selection **3** Installation

4 Configuration **5** Integration and Activation

Site Assessment

Assess Site Conditions:

Our engineers assess your site to identify risks and recommend the right CCTV system.

Determine Power Requirements:

We assess power options and recommend solar towers for remote sites, lasting up to 20 weeks.

Check Connectivity Options:

Our CCTV Towers use in-built 4G/5G for live access, ideal where fixed internet isn't available.
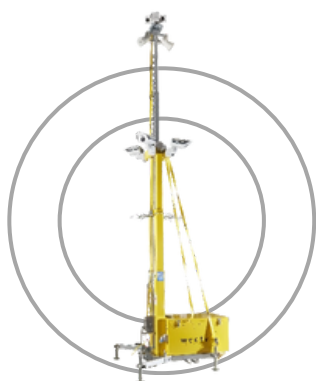

Camera / Tower Coverage Planning:

We plan camera placement for maximum coverage, factoring in lighting, weather and site activity.

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Equipment Selection

After our initial assessment, we'll help you select the best CCTV solution to address your security needs effectively. Designed for temporary or high-risk environments, our Rapid Deployment Towers offer live and automatic video recording as part of a fully-managed service.
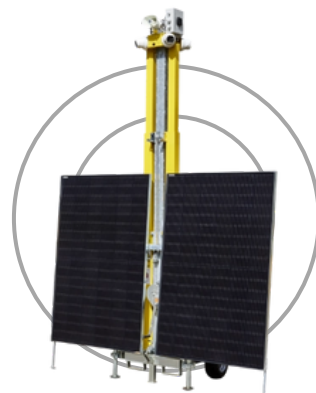
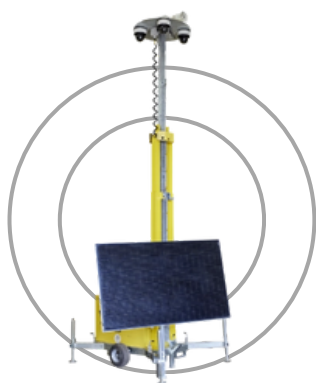### Eco Tower

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Equipment Selection

Smart Tower

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Our CCTV towers are available on a rental basis which removes the cost and complications of buying and maintaining equipment. They come with a managed service that includes: site assessments, professional installation, remote diagnostics and maintenance, live alarm monitoring, mobile keyholding, technical support and incident and false alarm reports.

Optional Accessories

1. **Remote Monitoring:** CCTV linked to NSI-Gold monitoring centres, where experts verify threats and dispatch response teams.

2. **Additional Cameras:** Add MultiCam Domes for 4-way views and complete site coverage.

3. **Voice-Down Units:** Deter intruders with live or automated audio challenges, fully integrated with our CCTV Towers.

4. **ANPR Cameras:** Automatic number plate recognition (ANPR) cameras for monitoring entry/exit points.

5. **Time Lapse Cameras:** Capture interval footage and stitch it into a high-impact time-lapse of your project.

6. **Site Condition Monitoring:** IoT sensors track noise, air quality, emissions and weather to support compliance and ESG reporting.

Installation

With 6 regional hubs across the UK, our expert team manages the entire installation process for you. From vacant properties and construction sites to urban areas and remote solar farms in isolated settings, we install tailored security solutions wherever they're needed.

Tower Positioning

We install your CCTV Tower where it's needed - no cabling or infrastructure, just instant security.

Quick Installation

Our units can be set up in just 20 minutes, giving you fast, reliable coverage where you need it most.

Connect Power Sources

We optimise solar panels and batteries for reliability, powering Towers even on off-grid sites.

Configuration

CCTV Camera Configuration: We calibrate high-definition PTZ cameras for near-360° coverage, testing key features like detection zones, zoom and [night vision] to ensure day-to-night surveillance is in place.

Set Up Detection Zones and AI-Video Analytics: We set motion detection areas to focus on critical zones while filtering out false triggers from weather or wildlife.

Deploy Add-Ons: Should accessories be required, our team installs Time Lapse Cameras and/or environmental monitoring sensors at this time. We set up intelligent analytics and walk you through how to view your footage.

Remote Access and Diagnostics: All of our Rapid Deployment CCTV Towers feature in-built remote diagnostics via our Heartbeat software. We check for connection issues, camera failures and recording problems, all of which can be resolved from afar.

Integration and Activation

Connect to Monitoring Centres
CCTV Towers are monitored by NSI Gold Accredited monitoring centres, where trained security personnel provide 24/7 security oversight. Real-time alerts are tested and configured to trigger rapid response in real-time.

System Integration
Site managers gain secure access to our mobile app or desktop software, providing real-time viewing, playback, and management of CCTV footage from any location. Stay connected and in control of site security at all times.

Activate Reporting
As part of our fully-managed service, we enable incident reporting, system analytics, false alarm summaries, and maintenance alerts, giving you complete oversight of your site's security performance.

Final System Validation
Whether it's construction site security cameras or Temporary CCTV Towers for events, we thoroughly test every security component to confirm everything works before we leave.

Why Proper CCTV Tower Installation Matters

Blind Spot Exposure

Power / Connectivity Failures

Configuration Error

Compliance Issues

A correctly installed CCTV Tower ensures reliable site security, while poor setup can cause blind spots, power or connectivity failures, false alarms, and compliance issues that lead to theft, downtime, and regulatory shortfalls. WCCTV's professional installation eliminates these risks, delivering full protection from day one.

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