Stellifii

Smart By Day
Secure By Night

What is Stellifii?

THE PLATFORM BEHIND EVERY WCCTV SYSTEM

Stellifii combines WCCTV's industry-leading security hardware with a powerful cloud platform, creating one intelligent system for security, safety, compliance, project management and condition monitoring. It delivers real-time insights by day and AI-driven protection by night, ensuring greater visibility and peace of mind across every site.

WCCTV's Intelligent Connectivity Platform:

- **Unites video, data, sensors & analytics in one platform**
- **Simplifies management of security, safety & compliance**
- **Combines live video, AI analytics & environmental insights**
- **Removes need for multiple tools or software installs**
- **Integrates connectivity, monitoring & diagnostics**
- **Delivers faster decisions, clearer visibility & control**

As the technology behind every WCCTV system, Stellifii unites hardware, data and analytics into one seamless ecosystem. It transforms how teams monitor, manage and protect sites.

| Intelligent Data Insights | Streamlined Site Management | Unified Data & Video Platform | Faster, Data-Driven Decisions |

What Stellifii Enables

ONE PLATFORM FOR MULTIPLE LOCATIONS

Stellifii is more than just hardware and software; it's been developed to deliver the results that truly matter to our customers. It removes complexity and intelligently connects the dots between video, safety, compliance and project insight.

WCCTV's ethos has always been to develop products and services that help our customers solve their real-world safety and security challenges. Stellifii takes this to the next level by allowing them to see what's happening on site, manage risk, respond faster and prove they're meeting their obligations.

Stellifii enables:

▶ **Full Oversight During Working Hours:** Live video, system health, air quality, weather, noise and more.

▶ **Automated Security when Sites are Empty:** AI-based intruder detection, instant alerts and footage capture.

▶ **Faster Decision-making: One login, clear dashboards, searchable timelines and actionable reports.**

▶ **Simplified control: Mobile access, remote setup, no IT install, and faster footage retrieval.**

| Complete Site Visibility | Smarter Automated Protection | Real-Time Insights & Reporting | Protect Sites Automatically |

Intrusion Detection

SMART ALERTS FOR AUTOMATED SECURITY

Stellifii applies AI-powered analytics to identify intrusions based on movement patterns and behaviours, not just motion. This drastically reduces false alarms and allows for faster, more accurate decision-making, especially during out-of-hours periods. Threats are identified, verified and escalated in real time.

By defining specific zones within the camera's field of view, the system can identify and alert on entry into restricted areas, boundary breaches or suspicious behaviour. You can easily customise detection zones, alert schedules and response protocols to match your site's unique layout, operating hours and overall risk profile.

The Benefits of Using AI Intrusion Detection:

- **Custom Detection Zones:** Monitor restricted areas and perimeters with fully configurable alert zones.
- **Fewer False Alarms:** Analytics ignore shadows, weather and wildlife, alerting your team only to real intrusions.
- **Instant Alerts with Evidence:** Each breach sends instant alerts with images and video for fast response.

Learn more

| Customisable Detection Zones | Real-Time Alert Verification | Faster, Smarter Response | Targeted Zone Monitoring |

Air Quality Monitoring

PROTECTING PEOPLE, PROJECTS AND THE PLANET

Track PM1, PM2.5, PM10, CO_2, VOCs and other pollutants to ensure your site remains compliant and your workforce safe. Threshold-based alerts and exportable reports support proactive responses, environmental transparency and smoother relations with planning authorities or local residents.

Monitoring air quality is critical for maintaining safe, compliant and responsible worksites. Whether you're operating in construction, highways, demolition or industrial settings, poor air quality can pose risks to workers, stall progress and breach regulatory limits.

Key features of WCCTV Air Quality Sensors:

- **Air Quality Metrics:** Monitor PM1, PM2.5, PM10, CO2, CO, TVOC, temperature, humidity, and dew point.
- **Real-Time Data Access:** View live air quality readings via Stellifii's web portal or mobile app, wherever you are.
- **Mass Data Storage:** Store up to 180,000 time-stamped records for detailed reporting and trend analysis.
- **Easy Maintenance:** Replacable filter patches help maintain performance and accuracy without downtime.

Learn more

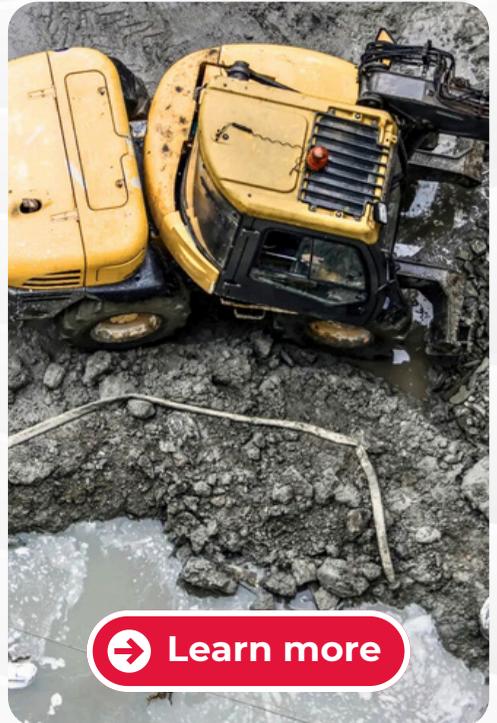| Real-Time Air Quality Data | Ensures Site Compliance | Detailed Reporting & Insights | Low-Maintenance Operation |

Weather Monitoring

MANAGING DISRUPTION AND ENVIRONMENTAL SHIFTS

Real-time weather insights help you plan around high-risk conditions like wind, rain or extreme temperatures. Stellifii's weather data supports safety briefings, delay justifications and better coordination of site activity, with all data stored and reportable through one interface.

High winds can halt crane operations, heavy rainfall can flood excavation zones and temperature shifts and humidity changes can affect curing times, material stability and worker welfare. Failing to monitor and act on these variables can result in missed deadlines, unsafe conditions, regulatory breaches and even legal action.

Key features of WCCTV's Weather Monitoring Sensor:

- **Live Weather Data:** Get instant access to accurate readings to keep your team informed and responsive.

- **Solar-Powered Station:** Runs independently on solar power, reducing the need for manual battery changes.

- **Multi-Variable Alerts:** Set custom alerts for thresholds like wind speed, rainfall etc to trigger site protocol.

- **Wide Measurement Range:** Covers outdoor temperatures from -40°C to 60°C and wind speeds up to 180km/h.

Learn more

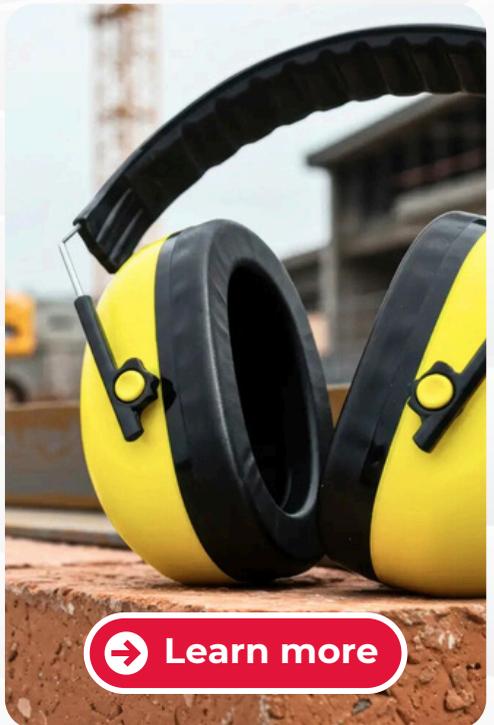| Real-Time Weather Insights | Proactive Safety & Planning | Solar-Powered Operation | Multi-Variable Monitoring |

Noise Monitoring

ACCURATE INSIGHT INTO SITE SOUND LEVELS

Continuously monitor and record on-site noise levels to stay ahead of compliance issues. Stellifii allows you to prove adherence to local authority regulations or respond to complaints with hard data. Daily trends and alert thresholds help reduce disruption and build community trust.

Our noise monitoring sensors are designed to provide continuous, accurate readings of decibel levels across your site. The system automatically logs data at defined intervals, helping you track trends, pinpoint problem areas and maintain compliance with environmental regulations.

Key features of WCCTV's Noise Monitoring Sensor:

- **High-Sensitivity Microphone:** Captures ambient noise levels across a wide dynamic range, from 30dB to 130dB.

- **Accurate Readings:** Provides real-time data with a resolution of 0.1dB and response time of less than 3s.

- **Wide Frequency Range:** Monitors sound across 20Hz to 12.5kHz, ensuring accurate detection of all frequencies.

- **Community Management:** Helps prevent complaint and project delays by giving teams clear visibility over noise.

➜ Learn more

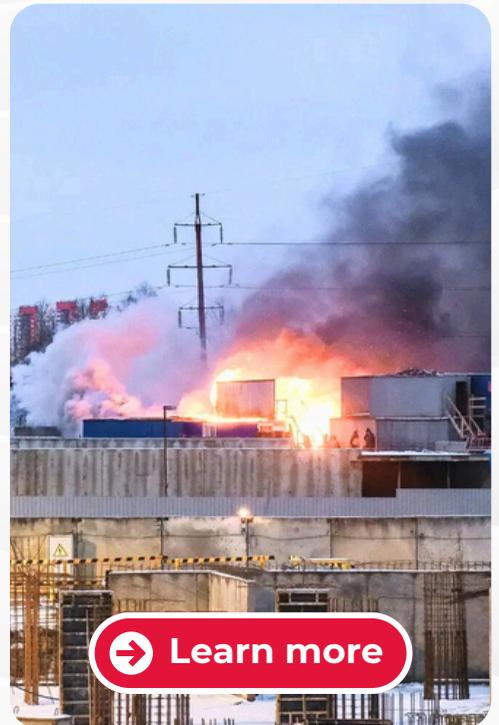| Accurate Noise Level Data | Fast, Real-Time Readings | Data-Driven Compliance | Build Community Confidence |

Smoke and Fire Detection

COMPUTER VISION THAT SPOTS DANGER FIRST

Early detection of smoke or fire conditions across your site allows for rapid escalation before a small issue becomes a major incident. Stellifii's integration of smart fire sensors with video verification reduces downtime and damage while supporting insurance and investigation processes.

Our smoke and fire detection system uses AI-powered video analytics to monitor for visual signs of smoke and flame in real time. It continuously analyses every frame of footage from your WCCTV system, searching for movement, colour patterns and behaviours that match known fire signatures.

Key features of WCCTV's Smoke and Fire Detection:

- **AI Powered System:** The system used advanced video analytics to identify smoke and flames instantly.

- **Visual Verification:** Every detection is supported by visual evidence, helping to verify threats before they escalate.

- **No Extra Sensors Needed:** Fire detection runs through the same WCCTV system already installed on your site.

- **Reduces Human Error:** Automated fire detection works 24/7 without losing focus, reducing missed threats.

Learn more

AI-Powered Threat Detection	Instant Visual Verification	24/7 Automated Protection	Faster Emergency Response

PPE Detection

REDUCING SAFETY AND REPUTATION RISK

Automated detection of missing hard hats, high-visibility clothing and safety footwear gives you total visibility over site compliance. Alerts are generated in real time, supported by video snapshots and logs, helping enforce safety standards and reduce manual oversight.

WCCTV's PPE detection solution uses AI video analytics to identify when workers aren't wearing required protective gear, such as hard hats, hi-vis clothing, gloves or safety glasses. When a violation is detected, an alert is instantly sent to supervisors or WCCTV's monitoring partners for rapid intervention.

Key features of WCCTV's PPE Detection Solution:

▸ **AI Powered Detection:** Automatically identifies whether workers are wearing essential PPE such as hard hats etc.

▸ **Custom Detection Zones:** Tailor the system to monitor specific PPE types and define manditory PPE zones.

▸ **Real-Time Alerts:** Trigger instant alerts to supervisors or WCCTV's monitoring partners when detection is activated.

▸ **Centralised Reporting:** Access live and historic compliance data through Stellifii's web portal or app.

⊙ **Learn more**

Automated Safety Compliance	AI-Powered PPE Detection	Real-Time Alerts & Reporting	Proactive Risk Prevention

The Real Benefits of Stellifii

A SMARTER SOLUTION FOR TODAY'S CHALLENGES

Stellifii is a one-stop solution for multiple monitoring requirements. It moves rapid deployment cameras beyond just security and solves multiple real world challenges.

The key benefits of the solution include:

- **Developed In-house:** Stellifii is built and managed by WCCTV. You get direct access to our technical team, faster updates and complete data ownership.

- **Cloud-Based:** Access live footage, system controls and reports from any device. No DVRs, no manual retrieval. Just log in and take control.

- **IoT Integration:** Connect environmental sensors to monitor air quality, noise levels, dust, vibration and more, all in one place.

- **5G Ready:** Stellifii systems connect automatically over 4G and 5G, giving you immediate access to HD video and PTZ controls with no extra setup.

- **Secure by Design:** Built on UK government-approved cloud infrastructure with AES256 encryption and fully NDAA-compliant components.

| Smart Detection | Real-Time Diagnostics | Dedicated Platform | Fully Integrated Connectivity |

Stellifii: Your Connected Network

A SMARTER SOLUTION FOR TODAY'S CHALLENGES

Stellifii's software platform is your command centre for surveillance, diagnostics, reporting and compliance. It's cloud-based, intuitive and doesn't require any physical installation or involvement from IT teams.

You can access every WCCTV system from a secure browser or mobile app. Review footage, track system health, activate analytics, pull reports and run site-wide checks in a few clicks.

With Stellifii, you get:

- **Exports footage up to 5x quicker than legacy systems.**
- **Smart search and filters to pinpoint incidents in seconds.**
- **Full remote control of cameras and environmental sensors.**
- **Real-time system diagnostics, alerts and uptime checks.**
- **Dashboard views for compliance, air quality, noise & more.**
- **Secure, scalable UK-based cloud storage.**

The Stellifii cloud allows users to manage every critical element through one interface, with all information stored beyond.

Smart Search & Insights	Remote System Control	Secure Cloud Connectivity	Faster Data Access

Who is Stellifii Designed For?

SUPPORTING STAKEHOLDERS ACROSS MULTIPLE SECTORS

Whatever challenges you need to manage, risk, safety, security or reporting, Stellifii brings everything together in one system.

Stellifii Supports:

- **Construction Managers:** Access live video, environmental data, system diagnostics and safety compliance tools from anywhere.

- **Safety and Compliance Teams:** Automate checks for PPE, dust, noise, air quality and more. Generate reports and flag issues in real time.

- **IT and Asset Managers:** Monitor system health, access footage remotely and manage your entire surveillance estate through a secure cloud platform.

- **Security and Risk Officers:** Use AI analytics, intruder detection and remote access tools to prevent crime and respond quickly to threats.

- **Local Authorities:** Cover parks, housing estates, town centres and remote areas with mobile surveillance and environmental tools.

Cross-Sector Compatibility	Enhanced Team Collaboration	Connects Teams & Data	Centralised Data Visibility

Where the Difference is Made

Local Authorities

From tackling anti-social behaviour to monitoring public spaces, Stellifii gives councils live oversight and secure footage access without heavy infrastructure.

Construction

Monitor progress, deter trespassers and manage site safety through one connected platform. Stellifii turns any site into a fully visible, data-rich environment.

Vacant Properties

Protect vulnerable or abandoned buildings with a system that provides instant alerts, remote control and access to critical footage without attending site.

Rail Networks

Support mobile operations, works delivery and staff safety with real-time video, diagnostics and reporting tools that work across trackside and stations.

Critical Infrastructure

Safeguard high-risk sites with surveillance that integrates with IoT sensors, automated alerts and remote system control for faster incident response.

Police

Deploy portable surveillance anywhere, access video from any location and manage footage securely. Stellifii supports public space monitoring, enforcement and investigations.

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