

Plytek Case Study

How Plytek protected its expanding commercial vehicle storage facility with AI-enabled CCTV technology



The Customer

Plytek is a specialist vehicle conversion and enhancement company that provides high-quality fit-out and protection solutions for commercial vehicles and pickups.

Plytek's services include vehicle lining, storage systems, hard-top canopies, fleet preparation, and bespoke vehicle conversions, helping businesses maximise the performance, practicality and longevity of their vehicles.

As the business has continued to grow, Plytek has expanded its operations to include a purpose-built commercial vehicle storage facility in Nottinghamshire, capable of accommodating several hundred vehicles. Protecting these valuable assets while supporting efficient day-to-day operations became a key priority.

The Challenge

With the expansion of its vehicle storage operations, Plytek required a security solution capable of providing comprehensive surveillance across a large, largely unmanned site.

The solution needed to deliver complete perimeter and site coverage while accurately identifying genuine security threats without generating unnecessary false alarms. It also had to support remote monitoring and integrate seamlessly with Plytek's existing business network, despite limited telecommunications infrastructure at the site.



The Solution

Reflex Systems designed and installed an AI-enabled CCTV solution that delivers intelligent, monitored surveillance across the entire vehicle storage facility – ensuring complete visibility at all times.

For this project, we:

- Installed strategically positioned heavy-duty surveillance columns and additional cameras to provide complete site and perimeter coverage
- Deployed the latest generation 5MP AI-enabled cameras with intelligent analytics, including intrusion detection, virtual tripwire monitoring, loitering detection and intelligent zone management
- Integrated live audio challenge functionality, enabling the remote monitoring centre to issue real-time warnings when suspicious activity is detected
- Engineered a resilient communications solution that securely connects the remote site to Plytek's existing business network, providing reliable remote monitoring and management.



The Payoff

The completed solution provides Plytek with a secure, scalable surveillance platform that protects hundreds of commercial vehicles while delivering complete visibility across the site. By combining AI-powered video analytics with monitored surveillance, the system significantly reduces false alarms and enables faster, more effective responses to genuine incidents. The intelligent CCTV solution also supports day-to-day operations through improved health and safety monitoring, incident investigation and evidential recording.

With a resilient infrastructure designed for future expansion, Reflex Systems has delivered a technology-led security solution that gives Plytek greater confidence in protecting its current assets while also supporting the continued growth of the business.



"Reflex Systems has supported Plytek for many years, so we had complete confidence in their ability to deliver the right security solution for our expanding vehicle storage operation."

The new CCTV system gives us comprehensive visibility across the site and greater confidence that hundreds of commercial vehicles are being properly protected. The intelligent monitoring helps distinguish genuine threats from unnecessary alerts, while the remote access and audio functionality provide an added level of reassurance.

From the initial planning through to installation, the Reflex team understood the challenges of the site and delivered a reliable, scalable solution that can continue to support us as the business grows".

**Dawn, Director
The Plytek Group**