



Success Story: Walton Secure

DFUSION POWERED CCTV SOLAR TOWERS

A Success Story from Walton Secure: Effectively utilising the Davantis Eco on a Rapid Deployment Tower. The remarkable efficiency of the Eco during a deployment, resulted in zero battery swaps through the challenging UK winter months, a frequent issue faced by Solar CCTV Tower providers.





Off-Grid CCTV with analytics- Zero Battery Swaps

Not all CCTV towers are created equal. Walton Secure has achieved a remarkable feat by successfully delivering multiple **rapid deployment CCTV** towers to off-grid locations, enhanced with Davantis DFUSION and **server-grade analytics**, throughout the **winter months without needing any battery swaps**—an issue that many CCTV tower companies face.

During winter, limited sunlight and adverse weather can strain solar panels' reducing the ability to recharge batteries, often resulting in the need for battery replacements during extended deployments. However, Walton Secure towers did not encounter this problem, providing **24/7 analytics detection** and security monitoring even through a challenging winter season.

**ZERO
EMISSION**



About Walton Secure

Walton Secure specialises in all aspects of CCTV and rapid deployment towers. With specialised knowledge and over 20 years of experience in the modern industry, Walton Secure is an expanding team dedicated to delivering top-quality security solutions with a distinct approach.





About DFUISION Solar CCTV Towers

CCTV rapid deployment towers serve as an efficient solution for quickly installing surveillance in areas where none exists, ensuring immediate coverage. However, it's essential to monitor this CCTV effectively.

Utilising analytics can enhance the efficiency and accuracy of monitoring, leading to faster response times while minimising common causes for missed alarms.

- Our state of the art Solar Tower is a true solar powered solution.
- A completely self-sufficient system, requiring no external back-up power sources.
- The high-performance solar panels utilise the sun's clean and renewable energy to fully power the system.
- The Tower operates 24/7, with no reductions in features or functionality.

Solar Tower Features

- Environmentally friendly, zero emissions
- Flexible design allows for up to 4x IP Cameras
- Cameras can provide a fixed 360-degree field of view
- Footage is recorded on-board 24/7 in high definition
- Specialist BI3 Video Analytics can be provided, tailored to applications
- Audio talk-down capability
- Client app for remote management and monitoring
- Robust 6-metre steel structure and anti-theft casing
- Anti-tamper detection system
- Fully bespoke options available
- Ability to provide custom wrap design





About Davantis DFUSION Eco

The Davantis DFUSION Eco is a **low-power version** of the well-known DFUSION perimeter security detection system. This model is specifically engineered to operate **seamlessly with Rapid Deployment Towers**.

The DFUSION Eco maintains the same level of detection performance while **lowering power consumption**, enabling high-security analytics to function continuously on **off-grid solar towers**. This design eliminates the need for battery replacements, even during the **low-light months of winter**.



National Protective
Security Authority

NPSA & SBD Accredited Perimeter Security Video Analytics

DFUSION is the first perimeter security analytics solution in the UK to **obtain NPSA accreditation**, allowing its application in the UK's critical national infrastructure. Additionally, DFUSION has been recognised as a **police-preferred solution** through the SBD accreditation.

Secured by Design



Police Preferred Specification

D F U
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Experts in Human, Vehicle and Object Detection

Quotes

"This is an impressive achievement. All CCTV tower companies are aware that during the winter months, a solar tower can face challenges and often needs a battery replacement for smooth operation. This is particularly true when sophisticated analytics are integrated for CCTV monitoring. Achieving server grade, NPSA and SBD accredited analytics on a CCTV tower without any battery swap during the low-light conditions of winter, is a testament to the towers from Walton Secure and the performance of the DFUSION ECO."

- Richard Eaves, Head of Business Intelligence & Operations At Business Insight 3



"Over the last 2 winters our main focus has been to perfect our solar tower offering trying various different setups and products, and with improvements to solar panels, lithium battery storage and with the help of our partners BI3 designing the Davantis DFUSION Eco mini, we are proud to offer to market our fully solar powered tower with no external backup power and with all components running 24/7, this past winter all of our solar towers in the correct conditions went all the way through winter with no battery changes which is a fantastic achievement for us."

-Craig Walton, Founder & Managing Director At Walton Secure



Bi3 - "Experts in Human, Vehicle and Object Detection"

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