



Walton's Consultancy

CLIENT

With over 20 years of experience in the video surveillance sector, Walton's Consultancy has established itself as a benchmark in the development and implementation of advanced security solutions.

Their expertise in rapid deployment CCTV towers allows them to offer agile, robust, and tailored responses to the specific needs of each environment—particularly in remote, off-grid locations where technical and logistical challenges are greater.

Whether in critical infrastructure, solar farms, industrial facilities, or temporary sites, their ability to deliver autonomous, sustainable, high-performance systems sets them apart in an increasingly demanding market.



Accurate
detection system,
continuous
recording, and
real-time remote
access

CUSTOMER NEEDS

Walton's Consultancy was looking for a reliable, autonomous, and durable solution to deploy surveillance towers in off-the-grid environments.

One of their main requirements was the ability to operate continuously throughout the year, especially during the winter months when sunlight is limited.

In addition, they aimed to avoid the need for frequent battery replacements, integrate a system capable of accurately detecting people and vehicles, ensure constant recording and real-time remote access, and have a robust, secure, and easily transportable solution that could adapt to different locations and operational needs.

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With DFUSION, we offer the market a 100% solar-powered tower, with no external power supply and operational 24/7

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Craig Walton
Founder & Managing Director
Walton's Consultancy



The system
allows for
continuous
24/7 monitoring

SOLUTION

Thanks to our partner Bi3 in the UK and the installation company Walton's Consultancy, we have been able to design and implement fully self-sufficient **solar-powered video surveillance towers**.

These devices are equipped with **solar panels optimized** for harsh climates. They also feature **high-performance energy storage** that prevents the need for battery replacements even during the winter.

This solution is fully integrated with our **DFUSION** perimeter video analytics system.

It is a flexible installation with a modular design, capable of supporting up to 4 IP cameras. It also allows for **deterrent audio broadcasting, and connectivity is remote**.

TECHNOLOGY

The adopted technological solution was DFUSION, an AI-based video analytics system designed to provide **accurate detection of intruders and vehicles while drastically minimizing false alarms**.

All processing is carried out locally through an integrated server, ensuring reliable performance without relying on the cloud. The system allows for **continuous 24/7 monitoring**, even under adverse weather conditions. It offers remote access along with customized configurations, adapting flexibly to the specific needs of each installation.



Click 1

Snapshot with a box highlighting the cause of the alarm.



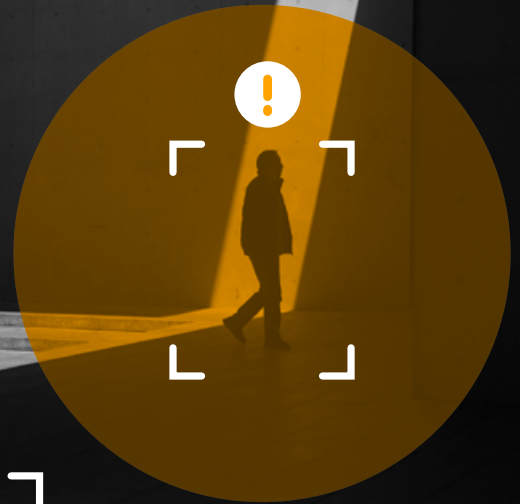
Click 2

Video of the alarm at the activation point.



Click 3

Live access to the camera for immediate verification.



Once the alarm has been verified, the system activates dissuasive devices

BENEFITS FOR INSTALLERS

- Technology compatible with any hardware brand, offering an autonomous solution with DFUSION video surveillance towers for off-grid locations.
- Robust, low-maintenance design with local processing and integrated server.
- 24/7 operation, even in adverse weather conditions.
- Towers with high mobility, adaptable to different locations, ideal for remote areas.
- The integration of artificial intelligence minimizes false alarms, reducing manual intervention.

BENEFITS FOR END USERS

- Advanced detection of intruders and vehicles, with quick responses.
- 24/7 monitoring without the need for frequent battery recharges.
- Remote real-time viewing with customized configurations.
- Reduction of false alarms and greater reliability in detection.
- Cost optimization in continuous security.