



Corporación Radiotelevisión Española (RTVE)

CLIENT

RTVE is a state corporation that creates and broadcasts entertainment, cultural, and news programmes in Spain.

Not only is it responsible for producing and broadcasting audiovisual programmes, but also for ensuring that they are broadcast correctly. This means managing the Medium Wave (MW), Short Wave (SW) and DMWR (Digital Medium Wave Radio) networks nationwide and safeguarding the facilities to ensure maximum security and quality radio and television services in Spain.

Due to the pioneering spirit of RTVE in digital wave technology, it must offer a **round-the-clock proactive security service, with effective surveillance and protection** for its telecommunications centres. The objective: to ensure that there are no interruptions to television and radio broadcasts.



Due to the extremely valuable technical equipment around the perimeter, rigorous control is essential

CUSTOMER NEEDS

The iconic communication tower, nicknamed the “Lollipop”, stands in the centre of Madrid. It supports an enormous amount of technical equipment and more than 200 antennas.

Torrespaña has a surface area of around 35,000 m and is where the corporation produces its daily news and information programmes. Because this is a public service, RTVE is responsible for ensuring the security of its facilities to avoid any interruption to its broadcasts.

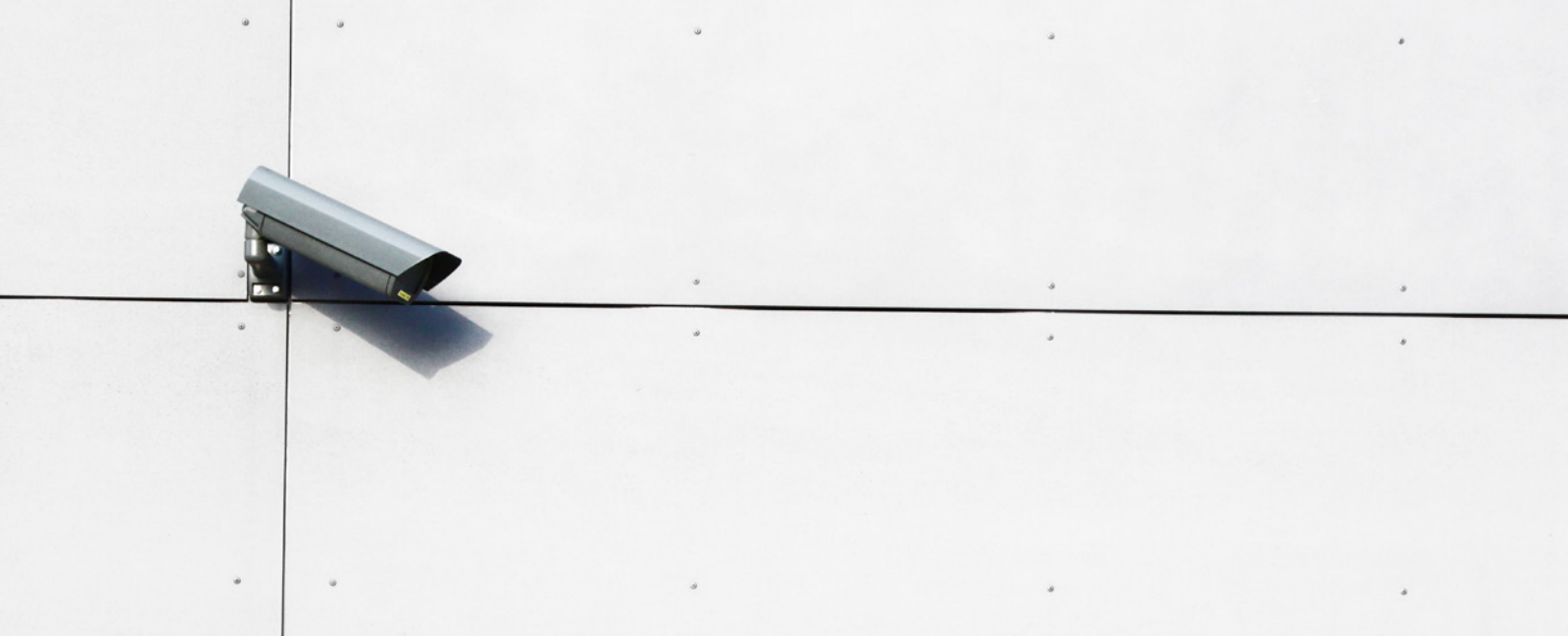
With costly technical equipment around the perimeter, rigorous control is essential, rigorous control is essential at access points to RTVE facilities to prevent vandalism and theft.

Controlling a constant flow of people and vehicles at entrances and checking alarms at control centres can be a daunting task at such a busy site. RTVE wanted a video surveillance system that would integrate fully with its existing equipment and allow efficient real-time management of all alarms.

“ DAVANTIS increases our supervisory capacity, tightening the level of security on our facilities

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Alfonso Perrelón Pujol
Corporate Security Director at CRTVE



Personalised rooms were designed to prevent false alarms

SOLUTION

After analysing the perimeter, surroundings and work routines, DAVANTIS and CRTVE opted to install DFUSION systems for intelligent perimeter security management. They installed cameras in strategic zones to cover the entire perimeter and ensure there were no blind spots.

A video analytics system integrated into an alarm management platform allows quick verification of any incidents and streamlines the work of security guards.

What's more, the system allows operators to configure custom rules to avoid an unmanageable number of false alarms.

TECHNOLOGY

DFUSION video analytics systems were installed to achieve RTVE's high security standards. The DFUSION system has two detection engines and combines artificial intelligence algorithms and machine learning.

This video analytics solution enables security staff to deal with alarms quickly and efficiently. It also reduces the number of false alarms received by the Torrespaña control centre to a minimum.

As a result, security staff can view all incidents detected in real time and make efficient decisions, saving on operating costs without missing real detections. RTVE now has an intelligent perimeter security system that offers the highest security standards and efficient alarm management in the control room.

DFUSION is a robust, reliable system that reduces the risk of theft and burglary to a minimum, even on complex sites like this one.



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 all brands of hardware, allowing RTVE to use its existing equipment.
- ClickThru™: simple, efficient verification process that allows security staff to control the system and activate deterrents remotely.
- Flexibility to create security rules and adapt them to the customers' timetables and operations.
- We advise and provide our customers with technical support throughout all phases of the project.
- Total integration with ARCs, VMS y PSIM.

BENEFITS FOR END USERS

- Implementation of a global solution adapted to the security and cost needs presented by the user in the planning and definition of the project.
- Automatic alert to security personnel in the event of a possible intrusion guarantees success in dealing with security alarms and peace of mind for the end user.