

Axis surveillance system provides Wyke Farms with a sustainable solution.

Axis and PG Security help eco-conscious dairy farm innovate with greener security system.



Organization:

Wyke Farms

Location:

Somerset, UK

Industry segment:

Commercial

Application:

Health and safety, security

Axis partners:

PG Security, Milestone

Mission

Wyke Farms wanted to upgrade its existing security systems at its main dairy and add additional cameras to the network at its newly-built biogas plant site. While the farm had an existing CCTV system, which incorporated a number of Axis and other brand IP cameras, farm managers were aware that a more reliable and flexible approach could be achieved by transitioning to an Axis-only solution. Any new system needed to be as environmentally sustainable as possible, while providing excellent quality surveillance coverage to help the farm demonstrate compliance with stringent food safety standards.

Solution

Working with existing partners Axis and Milestone, installer PG Security specified a solution that incorporated 25 Axis network cameras.

Vandal- and dust-resistant AXIS M3005-V Network Cameras were specified for their hygienic properties and ease of installation, while externally, AXIS P1344 and AXIS P1347 Network Cameras, incorporating Axis' environmentally friendly day and night functionality, were used for increased energy efficiency.

Result

The new Axis-based system has provided Wyke Farms with a reliable, high-quality, advanced surveillance system that can be accessed and monitored 24x7, both on and off site. The new solution provides the farm, and its customers, with the peace of mind that health and safety remains at the forefront. Thanks to Axis' commitment to sustainability in the design, manufacture and supply of all its cameras, and the efficiency of IP video technology, the overall installation was in keeping with Wyke Farms green commitment.

“The Axis-based system has given us a sustainable, intuitive solution that will be able to support us as we grow.”

Jason Fewell, group engineering manager at Wyke Farms.

Committed to food safety

Wyke Farms has been producing the finest English cheddar cheese and butter since 1861 in the heart of the Somerset countryside. The family-owned company has always remained committed to operating its business in a way that causes minimal impact to the countryside. The company has a 100% green strategy and aims to be one of the greenest grocery brands. In 2013, it constructed a biogas plant close to its factory to convert the biodegradable materials from the farm and dairy into energy which can be re-used to power the dairy, helping to reduce and manage waste more sustainably.

With these innovations, the company was looking to upgrade its incumbent surveillance solution in the old dairy, primarily used to monitor processes within the building, to a more streamlined, energy efficient solution, and extend coverage to the new biogas plant site. As Wyke Farms was already accustomed to Axis cameras and impressed with their performance, it did not want to consider any alternative manufacturers.

Upon analysis, and consultation with Axis, PG Security specified and designed an integrated solution to work alongside the open platform Milestone XProtect® video management software that provided Wyke Farms with an intuitive way to manage and review video surveillance over its network.

Adhering to food safety procedures

Due to the strict nature of the food industry, the farm must follow stringent health and safety guidelines. As suppliers to some of the UK's biggest supermarkets, Wyke Farms needed to give guarantees that the highest levels of health and safety would be adhered to, as it could be asked for proof at any time.

Jason Fewell, group engineering manager at Wyke Farms explained: “We need to be able to give our customers the reassurance that our processes are in accordance with the industry's health and food safety requirements. We needed an effective surveillance system that could provide us with high-quality images and increase the coverage across both sites, both internally and externally.

IP video impacts less negatively on the environment than traditional analogue systems and so was a natural choice. The Axis-based system has given us a sustainable, intuitive solution that will be able to support us as we grow.”

Maintaining a sterile environment

With a busy dairy farm production needs to continue despite a high volume of visitors, so it's paramount that the surveillance is second to none, to ensure and provide proof that health and food safety procedures are adhered to across the whole company. The installation team at PG Security was aware that the internal cameras needed to be installed in a sterile environment.

The team had to adhere to food safety policies during installation and ensure that they were following strict codes of dress and cleanliness. To guarantee that all the areas of the process were covered by high-quality camera surveillance, PG Security affixed AXIS M3005-V Network Dome Cameras to the building interiors.

The dust free housing of the Axis cameras added extra hygiene protection and the camera installers were able to reduce the amount of time spent in sterile areas due to the camera's ease of installation. Having measured camera settings for various functions, such as pan, tilt, zoom and infra-red illumination, Axis insights further meant the settings could be optimised to minimise energy consumption and resultant environmental impact.

High performance both inside and out

Axis cameras provide quality surveillance both inside and outside the farm's buildings. As well as an inbuilt tampering alert, which signals any vandalism attempts to the management system, the cameras also only record when they detect movement, which has a significant energy-saving benefits. The cameras are equipped with remote control, which makes it possible for personnel to investigate incidents remotely, reducing the need for physical service visits, resulting in fewer driving hours and less fuel consumption.



“We are an Axis partner and regularly recommend Axis cameras to our customers. We can be confident of both the quality of the images and their reliability. As a client, Wyke Farms is a truly innovative and forward-thinking company – always looking to develop processes and improve. It is committed to food safety and understands the value of truly effective surveillance.”

