



FLIR HELPS NEW COVENT GARDEN MARKET TO MIGRATE SUCCESSFULLY TO IP SECURITY

New Covent Garden Market is the largest wholesale fruit, vegetable, and flower market in the United Kingdom. In order to give the market a new impetus, redevelopment works were launched in 2015. The overhaul included a new security monitoring system as well as a migration from analog security equipment to an IP solution from FLIR Systems.

New Covent Garden Market is a phenomenon around London to say the least. The world-famous wholesale market provides 40 percent of London's fresh fruit and vegetables eaten outside the home and 75 percent of London's florists. With more than 175 affiliated businesses, New Covent Garden Market is the biggest wholesale market in the UK.

AMBITIOUS REDEVELOPMENT

When London authorities decided to redevelop the entire site on Nine Elms and Battersea in order to meet future needs, it was clear that New Covent Garden Market was facing a huge operational challenge. Redevelopment construction works started in 2015 and are planned to continue until 2022.

Next to a better road layout, improved waste management and parking facilities, the market authorities also wanted to cater for better security. The organization said it is of utmost importance that all employees, tenants, customers and suppliers feel safe and reassured.

FROM ANALOG TO IP

The organization wanted to upgrade its legacy analog CCTV technology to an IP-based security system that is ready to incorporate future upgrades. Surrey-based company Phoenix Integrated Security Limited had been the security solution provider for New Covent Garden Market for many years and was called upon for the security overhaul as well.

"We designed a security system together with the end customer and the site constructor so that it could meet today's security standards again," said Trevor Hearn, Director at Phoenix Integrated Security Limited. "We were looking for a future-proof system that was able to monitor this complex site and that was easy to work with for our security guard personnel. We looked at various manufacturers for this, but FLIR Systems was the only company that ticked all the boxes."

FLIR UNITED VMS

Phoenix opted for a FLIR United Video Management System (VMS) and a wide range of IP cameras from FLIR. At the end of 2018, New Covent Garden Market already had more than 300 IP cameras installed across the entire site and it intends to gradually upgrade all analog systems over a five-year period.



To improve security for employees, tenants, and customers, London's New Covent Garden Market upgraded its legacy analog CCTV to an IP-based system utilizing FLIR security cameras and United VMS software.



The scalability of the FLIR United video management system allows New Covent Garden Market to easily expand its security network to include more cameras, as well as body-worn systems and third-party technology, such as intercom and access control systems.



APPLICATION NOTE – Security

The site combines a wide range of cameras, including the Quasar 4K fixed box camera, the Ariel Quad HD bullet camera and the Quasar 1080p PTZ camera. The cameras offer high evidentiary detail and offer a discreet, compact form factor. According to Hearn, the image quality of the FLIR IP cameras is a huge improvement over the analog ones.

But image quality is not the only benefit of going IP. Another valued feature of the FLIR United security monitoring system is its scalability. From 2016 onwards, New Covent Garden Market has been gradually adding cameras and storage equipment in replacement of the analog material across the site, and it is planning to replace all analog cameras well into the future.

“This project is an engineer’s dream,” said Hearn. “The FLIR United VMS allows New Covent Garden Market to easily expand their camera network whenever they feel the need and to connect with practically any camera they want, including body-worn cameras. The FLIR United VMS is also easy to couple with third-party systems, such as intercom and access control systems.”

BETTER USER EXPERIENCE

New Covent Garden Market is building a completely new central control room from where the entire site will be monitored, but also in the transition period, control room operators can make use of the FLIR United VMS. The security operators have the flexibility to present their video sources on the screen where they want. They can also define user profiles, to enable operators to see only the specific video sources from a particular building for example.



The FLIR bullet and PTZ cameras at New Covent Garden Market provide wide area coverage, along with a greater level of image quality and detail than the market’s previous security system.

For more information about thermal imaging cameras or about this application please visit : www.flir.com/security

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