



Case Study: **BP**

When global energy company BP needed an integrated security system to safeguard its new UK trading facilities at Canary Wharf, it turned to Reliance High-Tech to design and deliver the entire system.

Security challenge

BP Integrated Supply & Trading (BP IST), the trading division of BP, manages the trade and supply of oil, chemicals and power worldwide. When the division relocated, BP needed a partner to provide consultancy and design, install and maintain an integrated security system for its new global trading facilities at 20 Canada Square, Canary Wharf, London.

The brief included the integrated design and installation of a CCTV and access control system encompassing over 100 cameras, 200 access readers, turnstiles, audio and video intercom systems and a new control room.

These would all operate on an IP platform empowered by a virtual matrix and utilising distributed storage redundancy. As the project was a new construction within health and safety was a critical focus area throughout the assessment of potential suppliers, and was strictly benchmarked by both BP and its construction partners.

Our solution

Housing 3000 people, the 12-floor, 535,000 square foot glass and steel building presented a diversity of logistical challenges including the need for seamless set up of the access control database and fast and efficient photo capture, through a specialist photo ID solution.

The bespoke IP system, which was set up to run on BP's corporate TCP/IP network, was designed and implemented with the close cooperation of all parties and has been cited as one of the first of its type and scale in the UK.

Regular workshops were critical to ensuring compliance with BP's strict global procedures and to addressing the technical challenges associated with creating a network to support multicast video from over 100 cameras.

The solution utilised flood-wired CAT 6 cabling to provide a resilient redundant communication path and enable significant budget savings over the stand-alone solution that had originally been requested at tender.

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Throughout the project strong communication and systematic training processes were embedded into a cycle of continuous improvement to ensure that working methods kept pace with changing requirements as the implementation progressed.

During the entire 12-month installation, involving 26 different trades, Reliance High-Tech's performance was assessed to be within the top three every month, with commendations given for the proactive approach to the important area of health and safety awareness.

Benefits and results

Broadly, the security solution has delivered all the benefits associated with an IP-enabled system, including:

- Future-proof resilience to emerging technologies
- Global capability for remote surveillance and access control management
- Increased flexibility and operational efficiency compared to traditional hard-wired systems.

The new security solution has given BP the scalability to readily accommodate major changes to its security infrastructure in a cost-effective manner. For instance, a subsequent expansion of the entire sixth floor system was integrated seamlessly, without disruption to BP or the adjacent tenants.

Routine installations are handled with ease, as demonstrated by the subsequent installation of a single camera 200 meters from the control room, in a busy trading environment, within two hours - conventional methods would have taken several days incurring significant disruption.

Endorsing the approach taken by Reliance High-Tech, Steve Pascoe SE UK Security Advisor, BP Group Security said, "I have worked with many companies over the years but none have shown the attention to detail and quality of workmanship displayed by your engineers. They really have given every possible thought during the works to minimise impact on our people and environment."

"Reliance High-Tech has met and exceeded my expectation by working in what I would call a true partnership between customer and supplier. I look forward to continuing our relationship. You should be congratulated for a job well done".

**Steve Pascoe SE UK Security Advisor,
BP Group Security**

About BP

BP is one of the world's largest energy companies, providing its customers with fuel for transportation, energy for heat and light, retail services and petrochemicals products for everyday items. As the trading arm of the company, BP IST manages the trade and supply of oil, chemicals and power worldwide. See www.bp.com

Reliance High-Tech Solutions

Reliance High-Tech applies advanced technologies to design and deliver fully integrated electronic security solutions. It is part of Reliance Security Group, an established market leader that employs 12,000 people nationwide in manned security, facilities management and outsourced services.

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