Reliance HIGH·TECH

Fluor

Security challenge
When Fluor, one of the world's largest engineering, procurement, construction and maintenance (EPCM) companies in the world, needed a cutting edge security solution to protect both staff and assets at their new UK headquarters in Farnborough they contracted Reliance High-Tech.
Fluor wanted a flexible IP-enabled solution that leveraged the existing IT network, reduced manned guarding and lowered power consumption in line with Fluor's wider initiative to have a carbon efficient headquarters.

Our solution
The integrated system needed to be tested, inspected and fully operational within stringent timeframes to allow seamless transition of Fluor's staff into the new headquarters. Following system design and specification, Reliance High-Tech rapidly mobilised their project team to work closely with the construction and engineering consortium building Fluor's new headquarters.
The integrated system including car park management deploys the latest IP-enabled and Power over Ethernet (PoE) security devices. Reliance High-Tech developed bespoke interfaces for Fluor's corporate access control solution enabling complete IP-integration of the entire system
The solution provides real-time sharing of critical information where the robust infrastructure distributes data over Flour's wide area network providing an effective and well-coordinated security system including;
- A rapid and appropriate response to all security incidents and events
- Remote monitoring and management from any Fluor facility
- 40+ cameras, approximately 80 readers, intercom, car parking system and turnstiles
- 360 view of Fluor's building perimeter using PoE pan-tilt-zoom dome cameras against external conditions whilst meeting the requirement for PoE driving the camera and heater, without compromising video quality.
- A 'future-proof' security solution enabling ability to be upgraded as new technology and devices evolve.

Benefits and results
Reliance High-Tech designed, installed and commissioned Fluor a fully IP-enabled security system on time and on budget allowing staff to transition to the new headquarters in autumn 2010. The Fluor security team continues to realise many benefits including;
- Reduction in manned guarding costs of £600k across the system lifecycle, through greater integration of technology and removal of guards remote sites
- Optimization of security policies and manned guarding through the security management system integrating video, access control, audio and alarms creating centralised control and rapid response to incidents across the UK estate
- Decreased carbon footprint of 20% through use of PoE

CCTV and access control requiring less electricity

- Use of Fluor's existing IT network saved approximately 10% compared to a traditional analogue system installation along with elimination of £40k by leveraging existing CAT5 infrastructure
- Lower maintenance costs through fewer call outs, equipment replacements and the capability for remote diagnostics.