

INTEGRATED FIRE AND SECURITY SOLUTION

Case study

The Millennium Stadium, Cardiff

It wasn't just the Wallabies that celebrated the Rugby World Cup at Cardiff's Millennium Stadium. Engineers from Honeywell Building Services and Network Solutions were there too; not making headlines maybe, but doing a vital job, one critical to the international meeting kicking off.



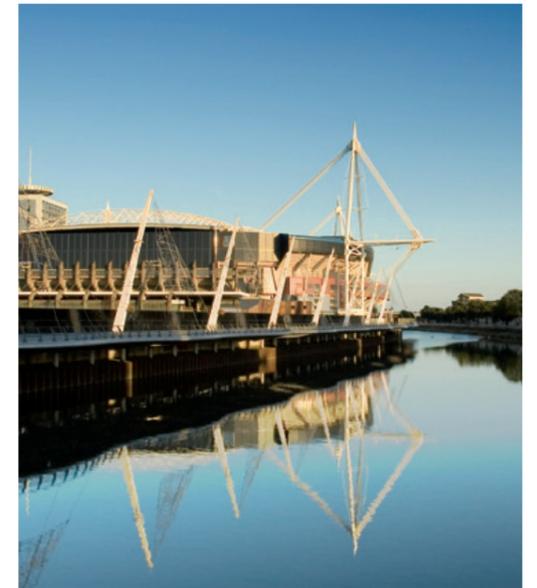
The Honeywell Line-up

A 70 zoned Honeywell Excel Security Manager (XSM) uses door contacts and passive infrared detectors to detect intruders. It integrates with CCTV to focus 62 cameras at the point of security breach.

The Radio and TV distribution system has 210 outlets. The press areas, the changing rooms, banqueting suites and all 125 private boxes have radio/TV outlets for terrestrial and satellite broadcasts.

The CCTV System was developed by Honeywell in consultation with the stadium safety committee, the local Police and the Guide to Safety at Sports Grounds.

The Fire System incorporates 2,383 devices linked into seven networked fire control panels. Any alarm-activated device is pinpointed, via the LAN, on a controlling PC screen. The system can initiate evacuation of the public, the PAVA giving emergency announcements and other prerecorded messages.



In the scrum at every stage from initial evaluation of the design brief, through value engineering, design, development of cost effective solutions to supplying, installing and testing the systems, the Honeywell props even thwarted a potential game-stopping moment in the final stages of completion.

The customer

Whilst the showcase stadium only opened in October 1999 Honeywell engineers had already been on site for months, contracted by John Laing Construction to mastermind a £2.8 million project to keep stadium visitors safe and secure. Smart systems for fire detection, security, closed circuit television (CCTV) and public address voice alarm (PAVA) were part of the package, along with technology for the hard of hearing and distribution of radio, television data and telephone.

Honeywell installed a structured cabling system infrastructure for voice and data, with a fibre optic backbone interconnecting 15 communication rooms within the stadium complex. These rooms house apparatus and cable distribution frames that give complete flexibility of configuration.

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The installation team has now passed the ball to resident services engineers to look after everything from fire and security maintenance to routine boiler and air conditioning servicing. It is Honeywell's job to ensure critical life safety equipment is up and running during stadium events – anything from rugby to pop concerts.



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