

EMS Wireless Fire System Protects Construction of Dublin Airport’s New Terminal

EMS Group’s 5000 FirePoint wireless fire system is providing a flexible and temporary manual fire alert and safety system for the construction site at Dublin Airport’s new £350 million Terminal 2.

The fire protection of major construction sites is a significant problem, due to the harsh and dynamic environment. EMS Group’s radio-based systems are an ideal solution; as control panels, call points, beacons and sounders can be quickly and inexpensively moved as each construction and fit out phase is completed. There is no need to install and continually move expensive fire-rated cable.

The systems are being installed by EMS Group’s approved partner, Vision Radio Fire in partnership with Alandale Logistics. The initial installation consists of 6 radio network fire panels interfaced to 35 call points and 35 combined sounder strobe units. These are protecting the construction of the main arrivals/ departure building. In the event of an emergency the Safety Wardens are alerted via an EMS site-wide paging system, enabling them to quickly pinpoint the exact location of the incident. Should it be necessary to evacuate the area, an audible and visual alert can be generated using the EMS wireless sounder/strobe units. As the construction progresses, further radio fire networks, consisting of an additional 9 control panels, will be installed in 3 other buildings.

Commenting on the project, Pat O’Sullivan Managing Director of Vision Radio Fire said, “Terminal 2 is the largest and most complex temporary fire alert system we have commissioned to date. Having completed a detailed radio site survey, we were satisfied that despite the large amount of steel and concrete throughout the building, we could provide a secure and stable wireless infrastructure during construction and fit out.”

The flexibility and speed of installation of the EMS wireless systems is a major benefit for the site contractors. As the construction of each area nears completion and critical plant and specialist services are tested, automatic fire detection can be deployed. Fire



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sensors can be easily added to any part of system, again without the need for cabling. EMS has also supplied purpose-built 110 volt to mains power converters, allowing the system to operate on a permanent supply, with standby battery back-up in the event of a local power failure.

This project demonstrates the flexibility of a wireless solution, particularly in an environment where protection needs to be deployed for temporary applications such as events and construction sites or where building use changes regularly. EMS wireless systems have been used for temporary protection at many high-profile sporting events including the 2006 Ryder Cup at the prestigious K Club in Ireland and at the All England Lawn Tennis Club, who re-use their wireless system each year during the 2 weeks of the Wimbledon Championships.

EMS Group’s wide range of radio-based solutions includes analogue fire detection, voice evacuation, intruder security and personal protection, for temporary or permanent protection, all of which can be installed without the need for cable.

For Press & Editors

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