

# Project Summary



## Phase 2 - Excel Exhibition Centre, London

**Location: London**

**Industry sector: Corporate**

**Client: Sir Robert McAlpine**

2010 saw the completion of a 55% extension of the Excel exhibition centre. Situated in a stunning waterfront location, Excel London is located in the heart of London's Royal Docks, within easy reach of central London. The venue is part of a 100 acre campus, including 3 onsite Docklands Light Railway stations, easy access to the Jubilee Line and London City Airport, parking for 3,700 cars, 5 on-site hotels and numerous on-site bars and restaurants.

Trinity Protection Systems was contracted to install fire detection and voice alarm systems for Sir Robert McAlpine, the main contractor for the project. The Excel extension included a 5000 seat International Convention

Centre, conference, banqueting and meeting facilities for 2000 delegates, along with bars, restaurants and a large-scale production kitchen.

One of the most challenging aspects of the project was the need to ensure the major building works required to build the extension did not infringe on the normal operation of the original 'live' centre. This was particularly difficult as commissioning progressed because the public address and voice alarm sound levels had to be fully tested and set to maximise audibility. As a result a significant part of the testing was undertaken out of hours.



Trinity installed a Notifier fire detection system network comprising of 9 control panels and approximately 2000 devices, in conjunction with a Notifier Public Address/Voice Alarm system using Penton and Harmon speakers. During the contract period the old systems in the original Phase 1 building were also replaced with new Notifier equipment by another Notifier approved contractor. Both old and new systems were designed to allow a full PC interface and eventually full integration of the conjoined buildings when the extension was completed.

During the contract Trinity kept a complete project management team on site and worked closely with the Sir Robert McAlpine management team, the client and the Phase 1 Notifier contractor to ensure that milestones were met. With the London X-Factor auditions looming the day after the completion date, there was a lot of pressure on timely delivery, but the milestones were met and the building handed over.

Alan Gordon, Project Building Services Manager for Sir Robert McAlpine said, "This was the first time that we had worked with Trinity on a project of this size. We were very aware of the tight programme and difficult working conditions, particularly the challenges associated with a live venue next door with up to 47,000 occupants. Trinity worked in a very proactive manner to ensure that the project was completed on time, and when extra effort was needed to move things on, they always reacted positively. The cause and effect software for the venue was complex which Trinity tackled with a professional attitude including the usual last minute modifications associated with large projects. Overall we were very happy with both the standard of workmanship and the attitude that they applied during the project".



#### Installed

- 1926 Fire alarm system devices
- 500 Speakers
- 10 Fire panels
- 10 PA/VA racks