

St David's, Cardiff

Location: Cardiff, Wales

Industry sector: Shopping Centre

Client: Balfour Beatty, BOVIS, MJN Colstons, St David's Partnership, a joint venture between Land Securities and Capital Shopping Centres



St David's, Cardiff is one of the top shopping destinations in the UK, attracting an annual footfall of 36 million shoppers. In 2008, two projects for St David's ran in parallel; the modernisation of the original part of St David's plus the 987,000 sq ft new extension of St David's. Both projects were completed during 2009.

Before the project commenced, St David's had been a significant contributor to the shopping experience in Cardiff. Trinity had managed the Life Safety systems in the shopping centre for 8 years since completing a refurbishment in 2001. The 'interim' refurbishment had ensured that the systems in the shopping centre were of the highest quality until the new development came into being. The major new development, St David's 2, was initiated by Land Securities in 2006 and the construction contract was awarded to BOVIS.

Balfour Beatty and MJN Colstons, who undertook the Mechanical and Electrical work for BOVIS, selected Trinity partly on the quality of the bid and partly due to Trinity's significant knowledge of the site. One of the key requirements of the project was to link together the original and new buildings to provide seamless Life Safety systems.

Trinity installed fire detection, Public Address/ Voice Alarm, disabled refuge, and sprinkler monitoring systems, together with a bespoke sprinkler panel and an integrated graphical front end.

Fire detection was by Notifier and the PA/VA and disabled refuge by Baldwin Boxall.

Shaun Corbett, Engineering Director at Trinity commented "initially we worked with the Mechanical and Electrical contractor to deliver a system which meets the requirements of the shopping centre consultants, architects and the owners, St David's Partnership. As the project progressed, new contractors became involved working on behalf of each retail unit, and it was important to ensure that all of the individual

retail unit systems were fully integrated with the main system. There are over 150 retail units in the combined centre."

Trinity continues to maintain both sites to a high standard to ensure that the Life Safety systems are kept optimised and the potential for false alarms kept to a minimum.



Installed

- 2 Full graphical interfaces
- 3 Custom sprinkler monitoring panels - over 400 zones
- 16 Fire panel network
- 90 Disabled refuge and contact points
- 6200 System devices