



#### PROJECT

Buchanan Street  
Subway Station

#### LOCATION

Glasgow

#### INDUSTRY SECTOR

Transport

#### PARTNERS

Graham Construction

#### SOLUTIONS

Analogue Addressable Fire  
Detection & Alarms

#### BENEFITS

- Integrated Fire Alarms
- Comprehensive fire safety control

#### THE BACKGROUND

The Glasgow Subway, opened in 1896 and is the third oldest metro system in the world after London and Budapest. It provides trains for the public every four minutes during peak times, so life safety is a high priority. A recent multi-million pound upgrade included refurbishment to the subway stations providing easier access to the stations.

#### THE SOLUTION

As part of the upgrades a comprehensive evaluation of the fire protection measures were carried out by the Strathclyde Partnership for Transport. The fire strategy that emerged, included improvements to the fire alarm system. Vipond Fire Protection were selected for the job and installed a FireClass analogue addressable fire controller in the ticket office. In addition to managing multi-state fire detectors and manual callpoint breakglass units the FireClass panel also provides ancilliary functions including interface units to stop the traveller and escalators. Automatic door closers were also interfaced. To provide a comprehensive level of cover,

“The fire strategy that emerged included improvements to the fire alarm system ...”



#### EMAIL

[admin.uk@vipondltd.co.uk](mailto:admin.uk@vipondltd.co.uk)

#### WEBSITE

[www.vipondfire.co.uk](http://www.vipondfire.co.uk)



#### COMPANY STATEMENT

Vipond Fire protection are pleased to enhance and integrate the fire alarms at Buchanan Street Subway Station and assist towards a more advanced fire safety solution.

#### COMPANY PROFILE

Vipond Fire Protection Ltd has its roots going back to 1969, when it was started as a small family owned business. In 1998 it was acquired by Vipond Inc of Canada. The company has since expanded and grown and now has 5 offices covering the whole of the UK and Ireland. Vipond Fire Protection Ltd is ultimately owned by API Group Inc.

APi Group Inc. is a multi-billion-dollar parent company for 38 independently managed construction companies in more than 200 locations worldwide. APi Group combines the personal attention of small-to-medium sized construction companies with the strength of a global industry leader to build a safer environment, develop leaders and bring innovation to the construction and fire protection and suppression industry. Since 1926, APi Group has grown by acquisition to become the stellar multi-billion-dollar company it is today.

The secret? Our subsidiaries maintain who they are. They keep the identity, reputation, customer relationships and culture they've worked hard to establish.

APi Group's subsidiaries have collectively served customers on all continents, including Antarctica.

some of the existing fire detection equipment in place was retained including linear heat detection devices below the travellers and escalators. These are connected to an existing conventional fire panel in the station that now reports to the FireClass controller.

The alarms are configured in two stages. An alert level for the staff is provided by beacons, followed by a delay before voice messages activate the public. These arrangements have a two-fold advantage in a public area. Firstly to enable the station staff to investigate and make preparations before the public are alerted by voice message, and to be in a state of readiness to assist with safe evacuation. Research has shown that a spoken message provides a much quicker response from people than sounders or alarm bells. If activation the Fireclass Controller provides signals to the central SPT control room whose staff take appropriate action and contact the emergency services if required.

#### THE OUTCOME

These improvements enhance existing fire equipment and provide 21st Century fire technology and life-safety within a vital transport system.

#### CONTACT DETAILS

Head Office – East Kilbride  
01355 237 525/80/88

Head Office Fax  
01355 263 399

Solihull  
01564 711 212

Swansea  
01792 484 533  
07885 459 857

Belfast  
01355 237 525/80/88

24-Hour Emergency No  
0844 561 9851

