



Banking and Finance

The Halifax



The Halifax has come a long way since its humble beginnings in 1853 when it formed as The Halifax Permanent Benefit Building and Investment Society to help a handful of mill and factory workers to buy their own homes. Today it is recognised as one of UK's most established providers of financial services. The Halifax brand has been independently judged as the best known and most highly regarded of all retail financial services brands in the UK.

Halifax and the community

As a major UK company, with branches across the country. The Halifax has a responsibility not only to its 20 million customers, 3.4 million shareholders and 37,000 members of staff but also to the communities in which it operates.

a vital part of your world

Environment

Every business has an impact on the environment and the Halifax is no exception. It has adopted environmental objectives throughout its operations and when choosing suppliers. In keeping with this policy, the Halifax Main Data Centre at Copley sought to remove any fire control systems that utilised Halon 1301 now recognised by worldwide governments as a potent ozone depletor.

At the same time, the Halifax recognised that the Main Data Centre was also the "Nerve Centre" for 24 of its Corporate Financial Services premises and 900 branches.

Balancing the impact of removing the existing Halon systems whilst maintaining the Centre's daily activities was seen as a major operating problem.

With this in mind, the Halifax turned to Tyco Fire & Integrated Solutions, the world leaders in gaseous fire suppression systems. Following 18 months of intense research and development, they developed an innovative low pressure INERGEN gaseous fire suppression system that could utilise not only existing Halon pipework but also the existing Fire Detection and Alarm System.

This development led to the World's first true "drop in" replacement system that offered not only considerable savings in initial outlay, but far more importantly massive savings in business disruption.

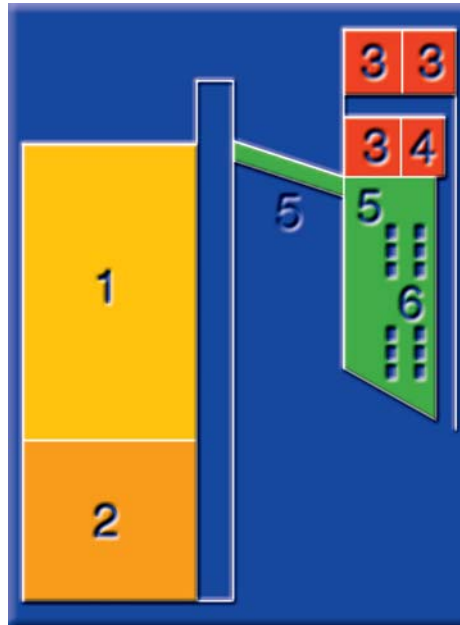


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*Fire & Integrated
Solutions*

How the Low Pressure INERGEN System works

A dedicated software package was developed that produced the necessary pressure transducer data to determine the orifice and nozzle sizes necessary to meet the required discharge time criteria of one minute. These calculations were used in conjunction with data obtained from an Integrity fan test that predicted the gas retention time and determined the need for any vent requirements.



- 1.** Computer Room
- Low Pressure INERGEN
- 2.** Network Room Ground and First Floor
- Low Pressure INERGEN
- 3.** Generator Bays 1 - 3
- Fixed CO₂ systems
- 4.** Generator Control Room
- Low Pressure INERGEN
- 5.** LV Switch Room & Cable Tunnel
- Low Pressure INERGEN
- 6.** LV Cabinets
- Manual CO₂ systems

Why the Halifax chose Tyco Fire & Integrated Solutions's LPI INERGEN System

The advantages of the system were instantly seized upon by the Building Management team at Copley who were faced with a fire protection refit for a 2000m² Computer Hall, two 1000m² Network Rooms and a significant sized L.V. Switchroom and Switchgear Area in the Energy Centre.

Andy Greenside, Fire Officer for the Halifax Group, explained the decision to specify INERGEN (LPI),



Network Room Roof Void

"We needed a system that would satisfy our insurers and would protect the computer centre in case of fire. The new system needed to be as effective as Halon and it needed to be installed with as little disruption as possible". "We did not want to decommission existing pipework, because that could have caused us immense operational problems. However, as INERGEN (LPI) uses existing pipework, we found it to be an extremely feasible solution". "Following consultations with Tyco Fire & Integrated Solutions and witnessing several live fire test featuring the New Low Pressure INERGEN System, we decided to specify INERGEN (LPI). The result is a fabulous feat of engineering". Tyco Fire & Integrated Solutions were awarded the Gaseous Fire Suppression contract that also included Sprinkler, CO₂, Air Sampling Detection (ASD) and conventional detection systems.



Computer Room Roof Void

For further information contact your local Tyco Fire & Integrated Solutions office on: tfis.inergen.uk@tycoint.com for a brochure or visit our website at www.tycofis.co.uk

Aberdeen
Tel: 01224 894292

Birmingham
Tel: 0121 623 1000

Dublin
Tel: 00 3531 496 6077

Manchester
Tel: 0161 205 2321

Swansea
Tel: 01792 465 006

Barnsley
Tel: 01226 702000

Bristol
Tel: 0117 9277271

Dudley
Tel: 01384 458 993

Newcastle
Tel: 0191 497 6333

Belfast
Tel: 02890 813699

Crayford
Tel: 01322 552410

East Kilbride
Tel: 013552 25132

Slough
Tel: 01753 574111

Wigan
Tel: 01257 427164

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