



Transport: Railways Kiwa Fire Safety Compliance

We have a wealth of experience providing fire safety solutions for the ever-changing requirements and expansions of international transport hubs and infrastructure.

Kiwa Fire Safety Compliance have a long and successful history of working on railway and transport infrastructure throughout the world. Our specialist award-winning team deliver clear, unbiased and actionable fire safety solutions.

We have a wealth of experience providing fire safety solutions for the ever changing requirements and expansions of transport hubs and infrastructure. We've worked on major transport projects such as the instantly recognisable Kings Cross and St Pancras train stations.

Providing detailed fire engineering and fire risk management advice to international infrastructure projects with unique security and design challenges, requires an expert advisor. Our involvement spans from the renovation of historic transport buildings to modern new builds and extensions of urban and rural stations.

We are relied upon by many prestigious construction firms, architects, developers and station operators to advise on any fire safety and fire protection issues, incorporating active and passive systems, clear evacuation plans, fire stopping systems and compartmentation.

As well as providing critical understanding for projects at all sizes and complexities, [one of the unique benefits of Kiwa Fire Safety UK is our ability to provide expert insight and advice that spans all 0-7 RIBA stages of planning and development](#) encompassing conceptual design and planning, fire safety design, construction phase management and ongoing fire safety management throughout the lifespan of a facility.



Kiwa Fire Safety Compliance's Chartered Fire Safety Engineering Directors lead our project teams who are able to focus on:

- ✓ High standards of fire safety in order to ensure approval from regulatory authorities
- ✓ Compliance with relevant railway design criteria (such as Network Rail or LUL requirements) Fire safety design for flexible operation
- ✓ Fire engineering approaches to minimise costs and design options
- ✓ Operational stations; reducing disruption whilst maintaining high levels of fire safety throughout all phases of construction

This independent and holistic approach to all aspects of Fire Safety Engineering and Fire Risk Management (whilst allowing your chosen developers to supply, install and maintain the fire protection systems) ensures that you can be assured our advice remains impartial, fair and confidential and is based upon realistic and long term value. Ultimately helping you to realise your project aims and keep staff, travellers and visitors safe from fire for the building's lifetime.

Key insight and advice available from the Kiwa Fire Safety Compliance includes:

- ✓ Fire Safety Strategies
- ✓ Smoke & Evacuation Modelling
- ✓ Structural Fire Engineering
- ✓ Expert Witness Testimony
- ✓ Peer Reviews
- ✓ Fire Safety Audits
- ✓ Fire Risk Assessments
- ✓ Emergency Planning
- ✓ On-Site Safety
- ✓ Engineering Assessments
- ✓ Detection & Alarm Systems
- ✓ Suppression Systems
- ✓ Fire Testing
- ✓ Fire Protection Training
- ✓ External Walls & Attachments



Bakerloo Line London Underground
Kings Cross, St Pancras International
Gatwick Airport
White Hart Lane Station
Dubai Metro
Hong Kong International Airport
Brussels Metro
Luton Airport
Dublin Airport
Dubai International Airport
Manchester Airport
Eurostar International
Brussels International
Heathrow Airport
Waterloo Train Station
Shepherds Bush Westfield
Paddington Crossrail

TRANSPORT HUB PROJECTS Regional Airports | International Airports Train Stations | Underground Stations

LONDON KINGS CROSS & ST PANCRAS STATION

Our Engineers conducted a peer review for the stations retail and platform area and looked at smoke control, structural fire engineering, the passive fire compartmentation design, and means of escape.

SHEPERDS BUSH WESTFIELD

Kiwa Fire Safety Compliance provided the station's Fire Strategy, smoke and evacuation modelling, including fire safety engineering advice for the shopping centre over central line depot during relocation of 36 sidings underground to allow the oversite development.

DUBAI METRO

Incorporating the latest Computational Fluid Dynamics, Kiwa Fire Safety UK provided advice on smoke ventilation, the evacuation strategy, potential design options, detailed designs and structural protection. In addition a peer review, assurance and negotiations were provided.

WEMBLEY CENTRAL STATION

The project which included both refurbishment and new build construction required expert option and fire engineering advice relating to multiple elements and phases of the project including the hotel design, residential accommodation situated over offices, retail outlets, 3x tower blocks over LUL, London Overground and regional rail facilities.

BRUSSELS METRO

Kiwa Fire Safety Compliance conducted Computational Fluid Dynamics for the platform and the ticket hall areas of the station.

EUROSTAR

Kiwa Fire Safety Compliance engineers were retained for our expertise across all aspects of fire-safety for rail-stock, tunnels and Eurostar buildings.

“Fire protection is one of the most important investments and critical considerations that can be made on a construction project”