



Healthcare Kiwa Fire Safety Compliance

Healthcare facilities need to be safe and secure environments and fire safety is a critical component in this. Occupants of buildings can be bed bound and evacuation is often difficult. A well designed building ensures that staff can continue their vital work and patients can recover in a safe healing environment.

For inspirational, safe and secure healing environments Kiwa Fire Safety Compliance have over 30 years' expertise and experience delivering clear, unbiased and actionable fire safety solutions to the healthcare sector, spanning all 0-7 RIBA stages of planning and development.

Fire safety is a critical component in the successful design of any new build or refurbishment project, at any budget level and our team of highly knowledgeable Fire Engineers have helped to create innovative and effective designs for almost every type of healthcare facility; from care homes, NHS trusts hospitals, clinics and mental health units, to research labs and operating theatres.

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

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



Our independent and holistic approach to Fire Engineering and Fire Risk Management (whilst allowing your chosen developers to supply, install and maintain the fire protection systems) ensures clients receive confidential advice, based upon realistic and long-term value; ultimately helping you to create enduring sanctuaries for your staff and the vulnerable they care for.

Kiwa's best-in-class services, range from consultations, fire risk assessments and fire strategies, to smoke and evacuation modelling, construction specification and detail designs for active systems (detection, alarms and suppression).

Our capabilities include state-of-the-art CAD and industry leading knowledge of the latest standards.

Key insight and advice available from 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



St David's Hospital Cardiff
Chelsea and Westminster Hospital
Kings College Psychiatric
QE2 Birmingham
Medway Hospital
Duchy Hospital Truro
St Luke's Residential Home
1 St Kildas Road Children's Care Home
London School of Hygiene
Mawdsley Hospital Institute Psychiatry
Berkshire Independent Hospital
Colchester Oaks Hospital
Fitzwilliam Hospital
Queen Elizabeth Hospital
Ramsay Health Care
Graylingwell Hospital

NHS Trusts | Research Laboratories

Hospitals | Care Homes

HEALTHCARE PROJECTS

ST DAVIDS HOSPITAL

Kiwa Fire Safety Compliance were asked to review the efficacy of the existing fire safety strategy against the as-built drawings of the site, to ensure the documents were accurate, complete and suitable for the building.

As the hospital was built in 2002, the client was keen to seek a review to ensure the building still complied with current building regulations and guidance.

Through site visits, some invasive inspections and a thorough analysis of the existing strategy, we were able to clarify and recommend engineering solutions to compartment walls that would help the building achieve compliance.

From our work the client received both assurances of the quality of their installations already in situ, as well as the ability to plan any remedial actions as necessary.

Kiwa Fire Safety Compliance identified where installations and compartments were satisfactory, ensuring the client was not put in a position of unnecessary expenditure or overprovision.

CHEALSEA & WESTMINSTER HOSPITAL

The 430 bed teaching hospital in Chelsea, London has been operational since 1993. The client requested that Kiwa Fire Safety Compliance conduct a fire compartmentation review and Engineers assisted in detailing both the current and potentially effective compartmentation lines of the site.

We were able to present a case for a number of recommendations that avoided overprovision and minimised unnecessary replacement of materials with proven integrity.

NATIONAL PHYSICAL LABORATORY

The site consisted of 16 interlinked modules on both ground and first floors, with the addition of 21 satellite buildings. As a substantial site with multiple operations co-existing at any one time, the operational risks associated with fire were complex and required an invasive review.

We were commissioned to provide an invasive assessment to develop a risk classification with respect to life safety from fire. Kiwa were able to assist the client in recommending risk mitigation measures associated with their site in a concise and accessible format.

By working closely with the client, elements of further investigation were afforded which assisted in satisfying both inspector and client queries.