



## Heritage Kiwa Fire Safety Compliance

Our aim is to sensitively protect and preserve our built heritage through collaborative design and applying conservation-led solutions. Heritage buildings are inherently unique, so we apply core conservation principles in every aspect of our fire engineering advice.

**We work with private owners, national heritage bodies, planning authorities and conservation groups on a diverse array of projects from iconic national landmarks to privately listed dwellings and historical estates.**

Fire is one of the most destructive and most commonly occurring risks to heritage buildings. These risks can be reduced at any stage of a building's lifecycle with the support of a qualified fire safety engineering consultancy, and can be mitigated most effectively when planning refurbishments or alteration works.

Fire safety should be considered at the earliest possible stage, where early identification of risks and major non-compliances with building regulations can lead to properly protected buildings, save overall project costs and resolve potential conflicts between stakeholders.

We are trusted project design consultants, partnering with many of the AJ100 on diverse and challenging historic built environment projects. We explore enabling options to help projects meet their potential, instead of listing reasons for not pursuing a challenge. This is why we are trusted by architects, developers, national heritage bodies, government organisations and private owners.

### Preserving the past | Protecting the future

Our independent and holistic approach to all aspects of Fire Engineering, Material Analysis and Fire Risk Management ensures that every possibility is considered when exploring solutions that meet the requirements of construction, conservation and fire safety legislation.

Kiwa Fire Safety Compliance offer advice at concept stage through to occupied buildings: Fire Safety Engineering, Fire Safety Strategies, Fire Risk Management, Detailed System Designs, Heritage Fabric Assessments, Peer Reviews, Training, as well as undertaking research, development of codes, and providing regulation and professional guidance.



## Key insight and advice available from Kiwa Fire Safety UK 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



Hampton Court Palace  
Tower of London  
British Library  
The National Gallery  
Montecute House – National Trust  
Castle Coch  
Bibury Manor  
Kensington Palace  
Southend Pier  
Tower Bridge  
Abingdon Guildhall  
Kew Palace  
British Museum  
Edinburgh Castle  
Calke Abbey  
Knole House

**HERITAGE PROJECTS**  
Palaces | Castles | Piers  
Historic houses and public buildings

### STUDLEY CASTLE

**GRADE II LISTED**

Kiwa Fire Safety Compliance were employed to provide Engineering Assessments on the Fire Doors installed within the popular grade II\* listed Studley Castle hotel. Commissioned by the joinery partner, Kiwa analysed the aptitude of the proposed replacement joinery to BS476: Part 22 in order to establish the fire rating of the doors.

We are often employed to make judgements on historic joinery as part of the compartmentation line reviews of heritage buildings. There are often creative solutions to maximise the retention of fittings whilst meeting fire safety requirements.

### PARLIAMENTARY ESTATES

**GRADE I LISTED**

Our role is to provide fire safety engineering expertise to support various projects within the parliamentary estates. A key aspect of the work is the achievement of sufficient levels of fire safety and the reduction of the risk of fire damage, whilst at all times targeting minimum alteration to the form and operation of the buildings.

As part of a wide scope of services for the client, we advised on the effective protection of highly sensitive compartments where the conflicting requirements of contents and operational interaction could have caused significant issues. By designing out the need for suppression, a replacement of fire alarm system and refurbishing compartmentation alongside improved emergency lighting and signage delivered the required levels of protection to building, contents and life safety.

### ROYAL ALBERT HALL

**GRADE I LISTED**

With a major raft of enabling refurbishments for the improvement of this iconic central London performing arts venue, Kiwa Fire Safety Compliance were commissioned to provide a comprehensive engineering analysis of the building's evacuation routes during its partial closure.

Through detailed compartmentation assessments across the evacuation routes Kiwa Fire Safety Compliance were able to categorically evaluate the capacities, travel times and modelling flow of the venue's evacuation strategy. This would then go on to form the basis of the Fire Strategy by providing the assurances required to not only achieve Building Control approval, but to satisfy the venue operators of the suitability of their procedures.