Huw Lloyd BSc AIWSc

Technical Director

Experience

Environmental Building Solutions Ltd. 1999

Technical Director of Environmental Building Solutions Ltd. specialising in biodeterioration of building materials particularly timber and timber based products. Analysis of dampness in building materials including fire damaged buildings, monitoring the environmental conditions in buildings and environmental control of timber decay.

Hutton & Rostron Environmental Investigations Ltd. 1987

Principal surveyor specialising in all of the above aspects throughout Britain and abroad.

Project experience includes:

Fire Damaged Buildings

Windsor Castle, Windsor
Monitoring the drying down of the building after fire damage over a four year period. Surveying all timber roof structures for timber decay and damp.

Hampton Court Palace
Monitoring the drying down of the building after fire damage.

Athelhampton Hall, Athelhampton
Monitoring the drying down of the building after fire damage.

The Assembly Rooms, Norwich
Monitoring the drying down of the building after fire damage.

Cullen Castle, Scotland
Monitoring the drying down of the building after fire damage.

Environmental Monitoring

Empress Palace, Singapore
Investigation of moisture movement through walls using self designed monitoring equipment.

Dragor Church, Copenhagen, Denmark
Installation of a monitoring system and monitoring of the building environment to give early warning of water penetration.

Royal Horse Guards, London
Installation of a monitoring system and monitoring of the building environment to give early warning of water penetration.

York Crown Court, York
Installation of a monitoring system and monitoring of the building environment to give early warning of water penetration.

The Monument, London
Installation of a monitoring system and monitoring of the towers environment over a six month period to establish the causes of deterioration to the internal structure.

The Black Tower, Royal Courts of Justice, London
Installation of a monitoring system and monitoring of the building environment to determine source of water damage to metal fixings.

Crown Prosecution Headquarters, London
Monitoring the internal environmental over a twelve month period to establish causes of ill health to the occupants.

Cardiff Castle, Cardiff, Wales
12 month monitoring of the building environment to determine the causes of damage to historic plaster and paintings.

St Michael's Abbey, Farnborough
Monitoring of the building environment to determine the source of water damage to internal finishes.

Mentmore House, St Albans
Monitoring of the building environment to determine the source of water damage to internal finishes.

Underground Hospital, Dover castle
Monitoring of the wartime tunnels for mould growth and damage to display items.

Trinity College Library, Dublin
Monitoring of the building environment to determine the optimal environmental conditions for storing historic books.

National Library of Scotland
Monitoring of the building environment to determine the optimal environmental conditions for storing historic books.

Timber Surveys

Castles

Taymouth Castle, Scotland
Detailed investigation of decay to principal structural beams throughout the building.

Windsor Castle, Windsor
Timber decay survey of all roof structures.

Mount Orgueil Castle. Jersey. Channel islands
Timber decay survey of all roof structures and damp penetration of masonry.

Nothe Fort, Weymouth, Dorset
Investigation of the causes of dampness in massive masonry walls.

Deal Castle, Deal, Kent
Investigation of the causes of dampness in massive masonry walls.

Churches and Abbeys

Monastery of St Francis, Manchester
Preliminary Investigation of decay to timbers throughout the buildings.

Tewkesbury Abbey, Tewkesbury.
Investigation of decay to structural roof timbers.

Dorchester Abbey, Dorchester, Oxfordshire
Investigation of decay to structural roof timbers.

Middle Street Synagogue, Brighton
Monitoring of the building environment to determine the source of water damage to internal finishes and decay to roof timbers.

St Edmund King and Martyr, City of London
Investigation of decay to structural timbers of spire.

Military Buildings

The Royal Arsenal, Woolwich
Detailed investigation of decay to principal structural beams at a number of listed buildings.

Royal Military Academy, Sandhurst, Camberley, Surrey
Detailed investigation of decay to principal structural roof beams at a number of listed buildings.

Royal William Yard, Plymouth
Detailed investigation of decay to timbers throughout all the buildings in the Royal William yard. Monitoring of the building environment over a twelve-month period to determine the source of water damage to internal finishes.

Mansions and Stately Homes

Fulham Palace, Fulham, London
Investigation of decay to structural roof timbers.

The Mansion House, London
Detailed investigation of decay to principal structural beams throughout the building. Monitoring the environment in the building to give early warning of water penetration.

Marlborough House, London
Detailed investigation of decay to principal structural beams throughout the building.

Hampton Court Palace. Hampton Court
Detailed investigation of decay to principal structural beams in areas of the building.

The Grove, Watford
Detailed investigation of decay to timbers in The Grove and to a number of listed Cottages. Stress grading of principal timber members.

Miscellaneous Buildings

Lincoln Crown court, Lincoln
Detailed investigation of decay to principal structural beams throughout the building.

18-19 Kensington palace gardens, London
Detailed investigation of decay to structural timbers.

Goodwood Shell House, Goodwood
Fiber optic inspection behind paneling to detect decay.

The Old Observatory, Edinburgh
Detailed investigation of decay to structural timbers.

7-15 Fleet Street, London
Detailed investigation of decay to timbers throughout the building. Monitoring of the building environment over a twelve month period to determine the source of water damage to internal finishes.

Clewer Manor, Windsor
Detailed investigation of decay to principal structural timbers throughout the building.

Albany of Piccadilly, London
Detailed investigation of decay to structural timbers to a number of flats.

Victoria Law Courts, Birmingham
Detailed investigation of decay to roof trusses using Resistograph technology.

The Kings Head, Aylesbury
Detailed investigation of decay to structural timbers, advice on eradication of deathwatch beetle and control of moisture in basement areas.

Moisture Damage Surveys

New Hunts House, Guys Hospital, London
Monitoring and advising on the drying down of the basement areas over a six-month period following flood damage.

Post Office Archives, London
Monitoring and advising on the drying down of the basement areas following flood damage.

Fitzwilliam Museum, Cambridge
Investigation of the causes of dampness in basement areas.

Butlers Wharf, London
Monitoring and advising on the drying down of the building following flood damage.

Pigeon Surveys

Dorset Mansions, London
Pigeon damage survey and advice on eradication of pigeons from the building.

Other information:

Academic Training:

BSc, Hons (*2.1*). Wood Science. University of Wales, Bangor

Representation:

Associate of the Institute of Wood Science

Papers:

'Timber for Repairs' The Building Conservation Directory. 1999
'The environmental control of timber decay' Structural Survey .1991
'Mothballing buildings and pro active maintenance' Structural Survey.1992
'Inspection monitoring and Environmental Control of timber decay' Singh, J. 1994, Building Mycology. E & FN Spon.