

# H+R Curator<sup>®</sup> MkIII

The World's Most Advanced Monitoring System for Historic Buildings



Curator has been proven in a wide range of buildings throughout the world from Singapore to an extensive installation at Windsor Castle

Now Curator MkIII\* brings new facilities and higher performance. Incorporating a touch screen, Curator emits audio and visual warnings when urgent action is required. It provides facilities management information and advice on site, handles direct telephone links with central monitoring stations, communicates with other systems including the Internet and dispatches e-mails to selected addresses for warning and action

- \* Vastly more intelligible than conventional leak detectors and data logging systems
- \* Grades potential failures; advises what action to take
- \* Tracks overall structure - critical to conserving contents as well as fabric of the building
- \* Install as 'stand-alone' touch screen, or within your existing PC or BMS
- \* Access on site, remotely by modem, or centrally by H+R experts
- \* Alerts remote facilities managers via telephone or e-mail

## Reliable

Curator is hardwired, so there is none of the interference which can affect radio frequency monitoring systems. The sensors are also much cheaper, so they can be deployed in greater numbers, giving rise to a clearer overall picture of potential failure

## Applications for Curator

Now installed in some of the world's most valuable buildings, thousands of low cost sensors can be run off a single wire. The central processor scans each sensor in turn and presents a graded response, depending on the severity of its findings. (Condensation is differentiated from burst pipes)

Typical tasks for Curator are the monitoring of gutters and drains for overflow, timbers at high risk of decay such as lintels or joist ends, and in masonry for monitoring rising damp and moisture penetration, particularly applicable to inaccessible areas such as under flat roofs and in basements

After fire or flood, Curator can be installed to monitor drying and give vital information for phasing refurbishment. It was used for this purpose at Windsor Castle

## Economical

Information for Curator reduces risks for insurance and assists maintenance planning. Property owners and contractors save time, materials and money. Low installation cost means Curator can give rise to significant saving in the cost of maintenance, by enabling preventative action before major damage occurs. Capital cost is less than many of the less sophisticated leak detection systems on the market

## Versatile

Most failures in historic buildings are typically caused by unwanted moisture. Low cost sensors are also available for the detection of movement, relative humidity, light and temperature. Existing runs of leak detection tape can be connected directly into the system

Each sensor can be individually



Windsor Castle. Curator used for controlled drying

calibrated with preset logging interval and alarm limits. When alarm limits are violated, a series of graded responses can be put into action. An on-screen diagram advises what action is required

The system can be simply interfaced either with a local PC, or directly with the building's heating and ventilation system and it can be linked to other devices such as servos controlling fans or dehumidifiers

## Hutton+Rostron

Hutton+Rostron Environmental Investigations Ltd has been concerned with the care and conservation of historic buildings for 35 years. They employ experts in the investigation of building failures, particularly moisture penetration. H+R's clients include The Ministry of Defence, The National Trust, The City of London, The Royal Household, The Courts Service and many private property owners

Other companies in the H+R group provide consultancy and services in building performance and design, maintenance of historic buildings, building materials, market research, quality assurance programmes, technical publishing and data processing

For more information, a demonstration of the Curator system, or details of monitoring or service contracts, contact:

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\* Patented



Royal Courts of Justice. Curator used to monitor movement



The Monument. Curator used to investigate condensation



Empress Place Building, Singapore. Curator used to investigate failure of rendering