



Science Museum Library Wroughton, Swindon

The Project:

A new Science Museum Library at Wroughton with three storage areas for rare and precious books as well a public reading room.

The Challenge:

Designing and installing a system that would ensure very stable temperatures and humidity levels to protect the books and would be easy for the client's team to monitor and manage.

The Solution:

- › Installation of a full air-conditioned air handling system with a small amount of make-up air
- › Siemens PX modular control system
- › Storage and reading areas monitored by quick-change (certified calibration) temperature and humidity sensors that average the areas' temperature and humidity conditions
- › Control system that continuously monitors the sensors to check that all conditions remain within strict tolerances

The Benefits:

- › If a sensor drifts outside of the tolerance parameters an alarm is immediately raised on the main control panel operator's display and the sensor is isolated from the control system's monitoring and control strategy
- › Temperature and humidity sensor measuring elements that are designed to be unscrewed and changed in seconds, enabling the control system to operate seamlessly

Client:

Science Museum Library

Market Sector:

Arts & Entertainment

Programme:

4 Months

Value:

£30,000

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