



Victoria & Albert Museum

Case study



The challenge

The Victoria & Albert Museum (V&A) in London is the world's largest museum of decorative arts and design. A Grade 1 listed building, the V&A houses a permanent collection of over 4.5 million objects spanning 5,000 years of art. Embarking on a £150 million renovation programme and with 1,000 computers on the site, there was a need for a new data centre and appropriate, reliable and efficient cooling of the space.

Airedale solution

- 4 x EasiCool™ 40kW downflow precision air conditioning units providing intelligent environmental control of the space
- 4 x 40kW condensers on the roof of the building plus a vertical pipe run of 25 metres
- 24/7 service support

[In more detail ►](#)

“Not many companies can provide Airedale's level of quality and reliability. It is the whole package: Airedale covered all key design considerations. It all works perfectly.”

Edmund Fosbrook, Senior Estate Manager, V&A

In more detail

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Future-proof

Working closely with Airedale, the V&A Senior Estate Manager Edmund Fosbrook designed a £0.25m refurbishment of existing office space to create the data centre to world class standard. The data centre houses all servers for the site and is the main computer room for the V&A. The facility allows for expansion over a five to ten year period with hot/cold aisle; 600mm floor void and 120KVA UPS.

Modulated cooling

Designed for N+1 redundancy, the four EasiCool™ 40kW downflow units provide 120kW of cooling. Driven by smart controls, the EasiCool™ react to changes in temperature and humidity by sensitively varying the amount of cooling to exactly match the application.

24/7 support

Airedale support provides peace of mind with professionally-trained engineers on call 24/7. Planned maintenance extends equipment life and maintains the cooling system at its optimum setpoint.



“Reliability of the cooling system is key

We have put in an energy efficient model. The EasiCool™ is a robust, well-sized design for the room and is giving excellent performance.

The prime driver is the resilience of the IT systems; reliability of the cooling system is key.

We also have a maintenance contract with Airedale that gives us remote alarm monitoring. Airedale knows about a change in state before we do. ”

Edmund Fosbrook
Senior Estate Manager V&A



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