

Case study Data centre



University of Leeds Case study



The challenge

The high performance computing (HPC) facility of the University of Leeds provides its researchers with access to a large number of computer intensive servers for computational modeling. Higher densities have created an extra 30kW of load per 42U rack, which could not be cooled by conventional CRAC units since this would involve space, design and cabling issues. The University, assisted by the School of Mechanical Engineering, sought an alternative solution that meets the University's criteria of investment in energy efficient, latest technology in its data centres.

Airedale solution

- 3 x OnRak[™] 28kW rear door heat exchangers cooling three high density racks in the HPC facility
- 2 x Ultima[™] Compact FreeCool 240kW chillers offering free-cooling for up to 65% of the year

In more detail 🕨

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