



THE LONDON BOROUGH  
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## ECOCOOLING FOR BROMLEY COUNCILS MAIN DATACENTRE

Bromley Council have recently installed a system of EcoCooling evaporative coolers to cool their main Data Centre.

The Celsius EcoCoolers have replaced the two existing Denco Computer Room Air Conditioning units (CRAC's), however, these have been retained to provide the N+1 backup required for the Data Centre.

Bromley are striving to reduce their overall Carbon emissions, the installation of the Celsius EcoCooling system will save over 120 tonnes of Carbon per annum and over £20,000.00 in electricity running costs.

The Celsius system utilises two wall mounted EcoCooling units and two wall mounted extraction fans. Cold aisle containment was installed as part of the system and each cooler has an 'attemperation' section fitted to entrain some internal warm air to mix with the entering cold air in the winter months to ensure the correct conditions are maintained year round within the Data Centre. The system also utilises the Celsius 'Pulse' control system to ensure wintertime conditions are within specification.

Celsius fully installed the system without any down time within a live Data Centre, including all builders work, electrical wiring (with sub metering), water pipework, supporting steelwork, cold aisle containment, ducting and interlinking the existing CRAC units and all commissioning.

All project staff at Bromley were delighted with the Celsius installation after some misgivings about carrying out such an involved installation in such a sensitive area.



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