



▶ NEW CHILLERS PROVIDE CHILLED GLYCOL AT SOUTH WEST HOSPITAL

TWO NEW CHILLERS PROVIDE CHILLED GLYCOL TO A NUMBER OF CLOSE CONTROL AIR HANDLING UNITS SITUATED WITHIN THE MAIN DATA CENTRE

J & E Hall has installed two new air cooled chillers at a Hospital in the South West. It is part of the North Bristol NHS Trust and is a current service and maintenance client of J & E Hall. The existing chiller configuration consisted of three chiller units that were coming to the end of their serviceable life.

THE INSTALLATION

→ 2 x Daikin EWAT205B-SRB2000 air cooled chillers

Each of the two new chillers provide the equivalent cooling duty to the three original chillers. The data centre now benefits from a total N+1 cooling solution (one chiller providing 100% back up).



THE PROJECT

J & E Hall Ltd were successful in the tender process. Performance tender was put together by a property and construction consultancy business located in Bristol.

The installation was challenging as all works had to be scheduled to mitigate against data risks. Consequently works were delayed on several occasions where it was deemed to risky to shut down the data centre cooling. Temporary chilling was installed while works were taking place.

Pipework was redesigned to overcome the problem with temperature fluctuations. The main buffer tank was moved into the return line to the chillers. A low loss header was then introduced between the chillers and secondary process pumps.



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