



Case Study LABORATORIES



Carrier R-32 Chillers Chosen for Replacement Projects at Oxford University Laboratories



Three world-famous medical science laboratories at Oxford University are being cooled by Carrier chillers operating on the lower global warming potential (GWP) refrigerant R-32.

Heaton Design and Engineering Ltd specified four Carrier AquaSnap® 30RBP air-cooled scroll chillers with Greenspeed™ intelligence for the replacement projects at the John Radcliffe Hospital's Weatherall Institute of Molecular Medicine, the Henry Wellcome Building for Genomic Medicine, and the University's Old Road Campus Research Building, a world leader in cancer research. The Carrier chillers were installed by Aircon Services Ltd.

"We are very pleased to have been selected by Oxford University to provide vital cooling for three of its world-renowned science and biomedical laboratories," said Didier Genois, Vice President and General Manager, Carrier Commercial HVAC, Europe. "The chillers support the University's sustainability strategy of achieving net zero carbon emissions by 2035, while ensuring reliable cooling to maintain the comfort, wellbeing and productivity of people working in the buildings."

Proven reliability

Edward Heaton, Managing Director, Heaton Design and Engineering, said: "We proposed a Carrier solution based on the efficiency and proven reliability of the equipment and our excellent working relationship with the company. Carrier's design and engineering is first-class, and a good match for the University's challenging sustainability requirements."

Operating on R-32, the chillers were specified in accordance with the University's sustainability strategy of achieving net zero carbon emissions by 2035. This requires energy efficiency improvements and reductions in greenhouse gas emissions from buildings across its estate, while at the same time enhancing occupant comfort and productivity.

Gavin Hastings, installation lead, Aircon Services, said: "Carrier provided outstanding support at all stages of the project," said "We have many years of experience supporting the University with air conditioning solutions and maintenance, and are familiar with the buildings and the requirements of the estates department. As a result of the excellent collaboration and fast-track delivery by Carrier, we were able to meet the strict deadlines for completion set by the University."

The fast-track project enabled the laboratories to continue operating without loss of building services support while meeting the tight timetable for completion.



EQUIPMENT

4 x Carrier AquaSnap® 30RBP air-cooled scroll chillers