

Case Study



RENTAL SYSTEMS

Healthcare
Cooling Hire
500 kW Chiller Hire
**Hospital - Northern
Ireland (Altnagelvin)**



The challenge

A chiller replacement project at Altnagelvin Area Hospital in Northern Ireland meant the hospital would be without essential cooling for several weeks during the changeover.

What did we do?

We provided a hire chiller solution to provide vital temporary cooling for patients and staff, and cooling to operating theatres and the hospital's data centre, as contractor RJ Smyth Engineering replaced the existing system with a new high efficiency Carrier chillers.

How did we do it?

Following a site visit, Brian Woods, our regional sales manager in Ireland, specified a low noise 500kW air-cooled Carrier hire chiller to supply water at 6deg C. The unit was unloaded onsite via a Hiab lorry and craned into position beside the building. It was equipped with temporary 4in pipework and connected to 4in PN16 flanged connections, with power supplied from the hospital's mains via a 400 Amp breaker.

CRS engineers connected up and commissioned the chiller, with existing onsite pumps circulating chilled water to and from the unit.

Call us: 0800 999 6 365

Email: carrierrentaluk@carrier.com

Visit our site: carrier.com

Case Study. ©2025 Carrier. All Rights Reserved.

All trademarks and service marks referred herein are property of their respective owners.

Carrier reserves the right to change certain information and specifications contained in this document at any time and without prior notice.

Since standards specifications and designs are subject to occasional change, please ask for confirmation of the information given in this publication.

Results

After being installed and commissioned, the hire chiller remained on site for six weeks, providing continuous service during the chiller replacement project, until the new system was commissioned and working.

Darren Smyth, who headed up the project for RJ Smyth Engineering, said: *"The changeover between the old and new chillers had to be seamless. The temporary CRS chiller enabled us to do this without loss of cooling, giving complete assurance to the hospital. We were very pleased with the service provided by CRS and would certainly use their services again for similar temporary cooling projects."*

A spokesman for the hospital's estate services department said: *"From start to finish, the project was superbly organised and managed. It was a text book example of how to do things. Overall, it was delivered with precision and was a credit to all concerned."*

Equipment	1 × 500 kW air-cooled Carrier 455 hire chiller
End user	Altnagelvin Area Hospital, Northern Ireland
Application	Comfort cooling during chiller replacement
Additional	Low noise levels due to hospital environment

