



HIGH PRECISION TEMPERATURE CONTROL FOR HUMAN CARE



The Challenge

A world-leading human care company, pioneering solutions for treating cancer and brain disorders needed a total temperature control solution for the vital cooling of the magnet within their patient scanning equipment.



Ben Newman,
Area Sales Manager,
OEM

“We work closely with OEMs to understand what they need to deliver for their customers and then design bespoke solutions that deliver promises – ours and theirs.”

WE MAKE IT WORK

The Solution

Controlling the high temperatures generated within MRI scanners is vital in ensuring the continuity of patient care and high demands for this life-critical equipment. It's where ICS Cool Energy's expertise comes in to provide OEMs with a total solution.

For one world-leading manufacturer, a non ferrous chiller was specified with a high pressure pump for greater capability.

- The chiller provides 20°C plain water at 50 lpm flow rate and at 5 bar pressure. It includes a chilled water bypass valve for the correct flow rate and a variable speed fan to work at the same rate as the process for energy efficiency.
- Anti-flood back kit to protect the equipment which can be used in ambient temperatures up to 45°C
- R134A refrigerant which is more stable for extreme temperatures
- Warranty for parts and labour



The Result

Ben Newman, Area Sales Engineer for original equipment manufacturers said:

“We've partnered with this OEM customer for over 20 years, and they rely on us to provide the temperature control expertise that enables them to deliver the vital equipment that's used in healthcare worldwide.

“Our skills are sought by manufacturers who want to be certain that the performance of their product delivers the promise they make to their customers. Choosing a partner with an established reputation is essential, especially when the applications are life-critical.

“We've helped this customer save on manufacturing costs by developing temperature control solutions tailored to their exact requirements. The close partnership is supported by our dedicated technical expertise and SLAs which include agreed timescales and standard spare component kits.”

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