

## Emergency CT Scanner Cooling

MRI Centres are a vital medical resource serving a large number of patients with a driving focus to provide the best in patient care.

A large site in the South houses CT and MRI scanners capable of taking sliced images of patients for diagnostic and assessment purposes.

Each MRI scanner is connected to a chiller to keep the unit functioning at optimum capacity. The cooling to the unit is essential and chiller breakdown would result in the MRI centre closing its doors until a replacement could be sourced and installed. The knock on effect of this would result in a large backlog of appointments.

### Chiller Breakdown

Unexpectedly this happened. The chiller servicing the CT scanners broke down and with a full schedule of patients, a fast response was needed. When a servicing team arrived to repair the fault they informed the hospital that the chiller was beyond economic repair.

The centre contacted **Cool Energy** to secure a temporary solution to allow the centre to re-open. A **Cool Energy** engineer was on site within 2 hours to assess the fault and site access for a fast solution.

Slight adjustments were required on site to locate the temporary unit. Paving was laid for the chiller to sit on and a ramp was fabricated to allow access to take the unit through the hospital corridors and out to an enclosed external access point.

### Connecting a Temporary solution

The **Cool Energy** installation team were able to connect the rental chiller to the existing unit's pipework allowing a faster turnaround and minimal disruption.

The faulty unit was moved forward a few feet and adaptor connections fitted to the pipework. This allowed access to secure flexible hose from the existing pipework to the hire chiller.

### A Fast Response

**Cool Energy** was able to re-connect the pipework to the temporary unit within 12 hours, also fitting the unit with a by-pass system allowing the flow to be adjusted to the application.



Connections to the Chiller and Flexible hose connections

Commenting on the project the customer said "I have nothing but praise for the speed and efficiency of service that we received and the extra mile they [Cool Energy] went, to achieve this".

### Specialist Hire Solutions

Cool Energy has a growing fleet of rental units with specialised modifications and components which are ideally suited to MRI and CT scanner applications.

Non-ferrous systems are needed for many hospital applications as they utilise de-ionised water which safeguards scanners and similar machinery.

Cool Energy also include **24/7** maintenance throughout the duration of each rental project.



Rental Engineer, Lee Chard on site with the chiller system

Cool Energy can be contacted on  
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