

## HVAC Cooling for Art Gallery

ICS were tasked with providing cooling for a large Art Gallery in the north of England. The gallery had suffered a chiller breakdown affecting their central HVAC system. ICS were called to site to get them back up and running quickly to avoid any adverse effects to the art on display.

### Fast Action

The client needed a fast resolution to the breakdown, as without closely monitored temperature and humidity control system, prestigious sculptures within the gallery would be at risk and could deteriorate.

Having assessed the unit on site, ICS' Chiller Service Engineer **Brian Milburn** was able to identify the problem as compressor failure. With a faulty compressor the second compressor could easily be contaminated with debris from the failed compressor in addition to this the oil within the circuit may have become acidic putting the remaining compressor at a high risk, and very likely to fail in the future.

Further investigation found that the condenser coils had also suffered a number of failures and Brian recommended a replacements to avoid further failures and chiller downtime.



Several pieces required precise temperatures

### Maintaining On Site Cooling

To maintain a supply of cooling on site while repair works were carried out ICS' rental division **Cool Energy** hired the gallery a TAE 602, (pictured below) which would enable the service engineers to repair the units whilst they were offline while keeping the gallery cool and avoiding any damage to the art.

ICS Service carried out the repairs which consisted of disconnecting the existing compressors and condensers, installing new components, fitting refrigerant pipework and upgrading the refrigeration circuit.

### Effective Solution

Speaking with the site manager, he commented "Cooling to our gallery is critical to maintain the composition of the art and sculptures on display. We have several key pieces that would easily deteriorate in fluctuating temperatures.



ICS were able to provide a solution to our chiller failure very quickly and provide us with a solution while the works were carried out".

### Nationwide Support

Call us free on 0800 169 3861 for an emergency visit or to order equipment fast, or contact us on one of our local office numbers below:

