

## North East Chemical Project Completed

Cool Energy has successfully completed a 1mW rental project in Middlesbrough for a large resin producer.

The 2-year project, which provided cooling to an existing system during a planned maintenance programme, was extended due to the need for additional cooling to manage an uplift in sales and the need to improve a bottleneck in the production process.

### The Rental Package

Cool Energy were able to provide a single 1mW rental chiller, which housed 2 off Bitzer Screw Compressors operating off 2 refrigeration circuits and R134a, along with a full package of run & standby pumps, and 3,000 litre buffer tank.



### The temporary cooling on site

Commenting on the installation, **Cool Energy's Rental Director, Russell Wilson** explained, "We were able to pre-plan this project with our customer and their project team well in advance of the installation. This was important; as there was a lot of enabling works to be carried out before our equipment was installed, including scaffold and new pipework stab-ins.



Our Bradford engineering office managed the project from start to finish and the installation lasted over 2

days in co-operation with the clients' site services.

### Efficiency Improvements

Our local office specified a single chiller with built-in redundancy and the latest capacity control software in order to match the process load as close as possible to the cooling required due to the fact that the client's process produced variable load conditions.

This helped reduce their power input and electricity consumption by some 8% a fact that we are really proud of.

**Remote monitoring** was also offered to help monitor the chiller package from their central operations room some 200 meters away.



Our engineers are experienced in managing applications such as central HVAC plant, process cooling equipment and altering fixed pipework to help meet the specific needs of each customer.

It was very pleasing to receive good feed back from the client during and after the project finished."

### Nationwide Support

Cool Energy also operate throughout England, Ireland and Europe, rent air and water-cooled chillers, air blast coolers, air handling units, fan coils and air conditioners for long or short periods.

Flexible water hoses, pipework connections, heat exchangers, power cable and generators can also be provided as part of the package supplied, together with inclusive 24/7 maintenance where required.

**Cool Energy can be contacted on 0800 840 4210 or via email on [info@coolenergy.co.uk](mailto:info@coolenergy.co.uk)**