

## 2.0mW Process Cooling Project for Cool Energy

Cool Energy has been awarded a 22 month contract to provide 2 off Class A 1mW air-cooled chiller packages for a Brewery in Edinburgh to help with a new product trial.



### Carbon Reduction

The project, which has been awarded to Cool Energy on the basis that they were able to optimise the cooling demand on site and, at the same time, help reduce power usage and costs on site.

The customer wanted to ensure that any hired-in equipment, whether long or short term, would maintain their Company's commitment to carbon reduction - regardless of any new product trials or unplanned breakdowns.



### Industry Standards

Cool Energy's cooling equipment is *Eurovent certified*, meaning units are independently tested to ensure that they operate at their designed conditions, and achieve the highest industry standard.

Being **Class A rated**, the 2 x 1mW units were the most energy efficient for the project and, over the course of the initial 12 weeks, proved to be **8% more cost-effective**.

In addition to this, the chillers were able to cool several bulk buffer tanks down to temperature at a faster planned rate during the brewery's dayshift, giving added production benefits and cost reductions.



### Refrigeration Expertise

Russell Wilson, Cool Energy's Rental Director explained his company's latest project, "We have been involved in a number of large optimisation and cost-reduction projects over the past 5 years, specifically for new processes and product improvements.

The refrigeration industry as a whole has many ways to measure equipment use with several starting parameters, including energy use, flow, ambient and water temperature conditions. These are basic measurement tools which we utilise knowing that our rental equipment is certified factory equipment.

Power consumption vs. cooling load - **Coefficient of Performance (COP)** measurements have been modernised

to appreciate variable local ambient air conditions and partial heat load conditions, from buildings and processes as these have a bearing on measuring consumption and annual operating performance.

My engineers utilise the European Seasonal Energy Efficiency Ratio (**ESEER**) as an accurate way to measure our equipment, and it's interface with our customers business.

We believe that there should be no difference between purchased or rented-in cooling equipment for our customers to benefit from."



(above) Russell Wilson - Cool Energy's Rental Director

## Wide Coverage and Product Range

Cool Energy operate throughout the UK, Ireland and Europe and offer a wide range of cooling and heating rental plant, including chillers as small as 1kW all the way through to 1,500kW water and air-cooled single chiller units, air blast coolers, cooling towers, air handling units, fan coils, boilers, heaters and air conditioners on a same or next day basis.

Installation and bespoke site-specific service can be provided alongside the supply of flexible water hoses, pipework connections, heat exchangers and power generators.

All of this is supplied with 24/7 maintenance throughout the rental period.

Call free on 0800 840 4210 for an emergency visit or ask for a Cool Energy engineer to visit for a site assessment.

[www.coolenergy.co.uk](http://www.coolenergy.co.uk)