

HVAC Cooling in the North Sea

In the Moray Firth section of the North Sea (pictured below), some 24km from the shore lies **Beatrice Field**. An oil field, capable of producing in excess of **1800 barrels of oil per day**.



The site, (pictured below) consists of 3 central platforms and with drilling on site maintaining pace an additional accommodation unit was scheduled to be built to house the rig's workforce. It is with this new build that additional HVAC cooling was required.



Beatrice Oil Field

As an off shore oil rig application, access to site was restricted and the harsh environmental conditions of the North Sea demanded specialised HVAC equipment to be supplied to cope with such surroundings.

Cool Energy's customer, a large specialist engineering company, provide HVAC solutions to the Oil and Gas sector, they work directly with **Beatrice Field** to manage their safety critical HVAC system.

For this project the engineering company contacted rental experts Cool Energy, for their experience in oil field applications and their wide range of rental chiller units.

Contacting the Cool Energy Scotland office, engineer **John Lowe** attended site to specify the chillers for the new HVAC installation. For the scale of the project John recommended **x2 TAE 602 chillers** (pictured below) with the required modifications to make the chillers run at 60Hz as well as coating the condensers to ensure fault free operation in the harsh settings.



Following the successful installation of the units the customer was very pleased with the HVAC solution and have now been able to open the accommodation facility.

Cool Energy, who operates worldwide, rent air and water-cooled chillers, air blast coolers, air handling units, fan coils, air conditioners and cold storage solutions for long or short periods.

Flexible water hoses, pipe work 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 cool.energy@icstemp.com