Food & Beverage

ics cool energy

HEAT RECOVERY FOR YORKSHIRE BREWERY

The Challenge

An energy efficient new cooling system was needed for an independent brewery in Yorkshire – replacing life-expired equipment with a new chiller and heat recovery unit that re-uses heat that would otherwise be wasted as a smarter alternative for cooling.

ICS Cool Energy:

"This is a massive step forward in cooling and energy efficiency for this brewery with equipment that's designed to last the course, with very low maintenance."

WE MAKE IT WORK

The Solution

The life expired equipment had served its time at the brewery and during the ICS Cool Energy's survey, it was found that the brewery had previously used a chlorine dioxide mixture which posed a risk of corrosion.

This was factored in to the fully integrated solution designed to meet the brewery's needs, with the addition of a single heat exchanger to separate the water from the chilled water circuit to avoid the risk of future damage. A new, high performance energy-efficient chiller was specified, capable of extracting 97kW at their operating conditions, with integral heat recovery that re-uses waste heat.

The Result

ICS Cool Energy said:

"We work with breweries of all sizes – from micro breweries to family run operations and global brand leaders – all of whom have two things in common; a total temperature control solution designed to meet their individual needs and of course great tasting beer!

"In this case, the latest technology incorporates heat recovery which delivers a highly economical long-term proposition with high levels of reliability and very low maintenance needs. This brewery now has increased efficiencies while still ensuring its sustainable philosophy, heritage and independent values remain intact."

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