

# TEMPERATURE CONTROL APPLICATIONS FOR CHEMICAL MANUFACTURERS



## OVERVIEW

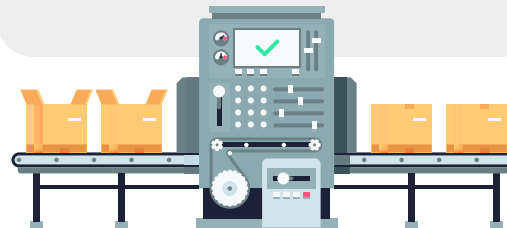
ICS Cool Energy provide expert temperature control solutions for pharmaceutical & life sciences manufacturers & their EPCM partner companies, from FEED study stage right through to project completion.

## JACKETED TANKS & REACTOR VESSELS

We provide accurate and efficient temperature control for jacketed tanks and reactor vessels, from pilot plant scale right up to full-scale production. Our fully packaged process chillers and energy efficient chilled water systems are ideal for accurately cooling vessels and tanks. We offer both air & water-cooled units, internally and externally sited options as well as free cooling, heat recovery and full turnkey cooling solutions. Our range of packaged plug and play modular process water/oil/steam to water temperature control units (i-Temp) are designed to offer close temperature control when chemical products are being heated or held at high temperatures in a vessel or tank, including trending, data logging & validation via our integrated C9 advanced touchscreen PLC controller. FAT, SAT, full install, commissioning, training & planned preventative maintenance packages are available.

## FILLING, LABELLING & PACKAGING LINES

We are able to supply and install a variety of chillers & fans for filling, labelling & packaging line cooling. We can recommend cooling solutions (including free cooling/adiabatic cooling) that can reduce energy/water, reduce operational costs, boost and future proof environmental profile in the chemical-packaging sector, operate industry best practice and reduce risk associated with maintaining chilled water systems.



## COLD ROOMS & COLD STORAGE

We provide air handling unit / low temperature fan coil and chiller combinations to keep existing areas of your production facilities or warehouse at the right temperature. We also have a range of portable artic cold stores for hire, ideal where space is at a premium or additional temporary storage capacity is necessary. Your local technically trained Sales Engineer can recommend the best equipment for your exact cold room or chemical storage requirements.



## FACILITIES & SITE HVAC

We have various temperature control solutions to keep your chemical facilities running, including multi megawatt energy efficient cooling systems and industrial boilers.

