



DRIVING INDUSTRIES FORWARD



The Challenge

ICS Cool Energy helps make the world work and keeping business on the move was vital for a world-leading tyre manufacturer reporting a critical fault in the temperature control system. An urgent solution was needed as the extruder machines need a set operational temperature of 120°C, to deliver the highest levels of product integrity.

"For our customers, there's no margin for error when it comes to temperature control because ultimately no-one can afford to compromise on safety. It has to be accurate and consistent."

WE MAKE IT WORK

The Solution

ICS Cool Energy's technical team moved into top gear when one of the world's leading tyre manufacturers experienced a fault on one of their temperature controllers. Following a full assessment of the site, its location access points as well as electrical drawings, a solution was designed to work with the existing system.

ICS Cool Energy supplied a fully packaged solution with easy operator control from one panel.

- 4x 9kW i-Temp ci140t on a special skid which 'talks to' the existing extrusion machine
- Self-optimising C8 Advanced Controller which shows trends and monitors process temperatures and flow rates for high level accuracy



The Result

Within a short time-frame, the problem was assessed and a purpose-designed solution created by ICS Cool Energy's technical team was up and running, restoring the ongoing integrity of production.

Tyre extrusion is a continuous process in which the rubber compounds are conveyed by a ram or screw and forced to the shaping die to take the required component shape, requiring close temperature control at all times at a set temperature of 120°C for this customer.

- Essential data is now supplied for validation and traceability purposes
- The i-Temp units only heat using the exact amount of power required, saving on energy usage which significantly reduces operational costs compared with alternative steam systems

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