



RENTAL SYSTEMS

Manufacturing Process Cooling, Midlands 5,700kW Cooling Tower Hire

The challenge

This specialist manufacturer of aircraft brake linings was experiencing interruptions to production as a result of poor temperature control of process cooling water. The end user required an urgent temporary solution to maintain production and product quality of these critical, high value components while it developed a long-term solution.

What did we do?

Our experienced team attended site and carried out a survey to assess the cooling requirement and survey conditions for location of temporary cooling towers. Chilled water was required to cool the ovens used to bake brake linings. The required water temperature was 22degC, but was currently running at 35degC. This posed a major problem, as the plant had an automatic cut-off at 36degC to protect the quality of the finished product, resulting in frequent trip-outs and loss of production. A proposal for a temporary solution was put forward and accepted by the end user.

How did we do it?

CRS installed a scaffold-supported platform on which to mount three brand new 1.9MW evaporative cooling towers adjacent to the site's existing process cooling water reservoir. We also commissioned the manufacture of a steel manifold to feed return water from the plant into the cooling towers.



Results

Once commissioned and connected, the CRS cooling towers were up-and-running quickly, enabling the client to resume uninterrupted production.

The hire solution is anticipated to run for 26 weeks, giving time for the client to explore options and decide on a permanent solution.

David Edmonds, Regional Sales Manager, Carrier Rental Systems, said: "Plant downtime due to temperature cut-outs was proving extremely costly for the client, due to the high value nature of the products. It was essential to put a temporary cooling solution in place quickly to restore full plant operation. CRS acted quickly to assess the requirement and meet the need."

**ONE CALL – ALWAYS
THE RIGHT SOLUTION!
0800 026 4717**

END USER	Manufacturer of critical aircraft components
APPLICATION	Aeronautical engineering
EQUIPMENT	3 x KwikTOWER CT1900 cooling towers
ACCESSORIES	8in chilled water hose, cables, manifold, scaffold platform