



CONTEXT

Customer

UM CORPORATION

Sector of activity

Manufacture of metal parts
for the automotive industry

Located Pas de Calais

Year 2017

Equipment installed

RAK.C-I/ST/AS 602

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Description of the equipment

2 R410A chillers (Normal-
Emergency) - Centrifugal fans

Total capacity :

300kW | 7°C/12°C @+35°C

THE CUSTOMER

UM Corporation is a joint venture, 60% owned by Italy's Magnetto and 40% by Japan's Unipres Corporation.

The plant, located in the Pas de Calais region of France, is a stamping, welding and assembly facility for stamped parts supplied to the French automotive industry.

We were asked to install a chilled water loop in the workshop to cool and maintain the welder heads at a precise, constant temperature throughout the process. Our customer set up a primary and a secondary network with two chilled water production units controlling the buffer tank, thus maintaining a stable water temperature of 7°C. On the secondary network, we loop over all the welding machines in a 350-meter-long workshop. The chillers operate in Normal-Emergency mode, and in the event of very high demand, can operate together.

Thanks to our equipment, the process has been made safe and sustainable, with permanent water stability and immediately available back-up, enabling the tools to operate optimally and intensively.

