



ECM
TECHNOLOGIES

Water chiller + Hydraulic skid

CONTEXT

Customer ECM Technologies
Sector of activity
Aerospace

Location Rochefort, France
Year 2018

Equipment installed
Complete water loop

Description of the equipment
R410a chiller
R407c chiller
Stainless steel chassis
Automatic dispenser

Total capacity
560kW | +20°C/+15°C @+35°C

THE CUSTOMER

ECM Technologies, a French manufacturer of industrial furnaces based in Grenoble, chose CTA to develop a complete water loop to cool industrial ovens that carry out heat treatment on metal parts for aircraft engines.

At the customer's site, which specialises in the manufacture of turbine blades and distributors for the aerospace industry, we cool not only ovens supplied by ECM Technologies, but also the metal parts being produced, using an intermediate fluid.

With an available instantaneous cooling capacity of 560kW/160 tons at +20°/+15°C, this industrial water loop made up of chillers, a hydraulic skid and a storage tank enables water to be distributed under optimum thermodynamic conditions, while limiting investment costs and electrical loads by right-sizing the cooling production units (IPE+120-3-1 | 325kW & IPE 051/I | 19kW). This configuration provides significant energy savings while ensuring the safety of the user process.

For more information, contact CTA.

