



CONTEXT

Customer : IKEA

Sector of activity : Mass market retail

Location : Germany

Year : 2025

Installed equipment :
5*VHERA H *P/LN/**/EC/II
530-3-3

Description of the equipment :
* R290 heat pumps

Total capacity:
1,8MW | 30°C/36°C @-12°C

THE CUSTOMER

Opened in 1976, this IKEA site in Germany, covering approximately 21,700 m², combines a retail store and a logistics warehouse with significant thermal requirements.

As part of the optimization of its heating installations, CTA intervened on the first stage of the heating system. CTA's propane (R290) heat pumps provide the production of hot water at 36 °C, forming the primary heating loop, which supplies a second independent heating circuit enabling the water temperature to be raised to 60 °C for heating both the retail area and the logistics warehouse.

This solution delivers a significant improvement in the site's energy performance and fully aligns with a carbon footprint reduction strategy, thanks to the use of a natural refrigerant.

