



## CONTEXT

**Customer :** CHÂTEAU DE SANNE  
**Sector of activity :**

Wineries

**Location :** France

**Year :** 2019

**Installed equipment :**

Winechill 40C2 PC cooling unit

Winechill 26C2 PC cooling unit

\*CAREL BOSS supervisor

\*Thermoregulation

**Equipment description :**

4-pipe temperature controller

**Total capacity :**

110 kW/ 12°C/7°C @35°C

57,6 kW/ 12°C/7°C @35°C

## THE CUSTOMER

The temperature control system provides precise regulation of 57 tanks, both for heating and cooling, optimizing every stage of the winemaking process. It is based on high-performance chillers, including the Winechill 40C2 PC and 26C2 PC, which ensure the thermal stability essential for preserving aromas and controlling fermentation.

These chillers also regulate the ambient temperature in the cellar, providing optimal conditions for winemaking operations and wine storage. Managed by the WineSmart B thermostat with BOSS supervision, the system automatically adjusts temperatures via 204 motorized valves and 51 temperature sensors, which control the solenoid valves in real time for maximum responsiveness.

The system allows for precise monitoring and remote management, offering both flexibility and high performance. Modular and scalable, it optimizes energy resources while ensuring high-precision winemaking and full traceability.

