



*Festins*  
les petits bonheurs

## CONTEXT

**Customer :** Festins

**Sector of activity :**  
Agrofood

**Location :** Lamotte-Beuveron  
**Year :** 2020

**Équipements installés :**  
EKO.E B/SP/HR 5604 V

**Description of the equipment :**  
Propane R290 chiller  
Air cooling  
\*Heat recovery  
\*VFD on compressors

**Total capacity :**  
700KW | -4°C/-8°C @+35°C

## THE CUSTOMER

For almost 20 years, Festins de Sologne® has been producing ready-made meals in the heart of Lamotte-Beuvron, in the Loir-et-Cher region of France. The Sologne production unit relies on rigorous cold control, essential at every stage of the process: maintaining temperatures in the cold rooms, condensation from a subcritical CO<sub>2</sub> unit, production of domestic cold water and thermal regulation of the preparation rooms.

To optimize the site's energy efficiency, a high-performance R290 chiller from CTA was installed, incorporating total heat recovery and desuperheating. This technology enables hot water to be produced for defrosting of cold stores and heating of offices, thus reducing overall energy consumption.

As part of this optimization process, Festins de Sologne® replaced its old HFC direct expansion system with an R290 chilled water system, which is more environmentally friendly and complies with current performance requirements.

