



Médithau

CONTEXT

Customer : Médithau

Sector of activity :
Agri-food

Location : Frontignan

Year : 2022

Equipment installed :
EKO.E HE A IP/ST/HR/EC/II 802SE

Description of the equipment :
Propane R290 chiller Air-cooled
*Heat recovery
*VFD on compressors
*Hot and cold circulation pump

Total capacity :
129KW | -3°C/+1°C @+35°C

THE CUSTOMER

Based in Frontignan (Hérault), Médithau specialises in the farming and marketing of seafood, mainly oysters and mussels. The company uses a refrigeration unit to maintain optimum conditions in its storage and packaging facilities, as well as cooling the seawater to 4°C, to ensure that the mussels are preserved as well as possible. With production of around 80 tonnes of mussels a day, cooling the tanks is a key element in the process.

As part of an energy optimisation project, Médithau has undertaken to replace its direct expansion refrigeration system with an R290 natural fluid chilled water solution from CTA, with the aim of reducing the facility's energy consumption. At the same time, a hot water network was set up using heat recovery, enabling better management of resources and improving the site's energy performance.

