



Turnkey Project with SPI System

Store make over with AHT SPI System

In Oporto, Portugal, Froiz has opened a new supermarket featuring an advanced commercial refrigeration system provided by AHT Iberia. Seeking a partner capable of delivering a complete refrigeration solution, Froiz required a range of equipment, including serve-over units, cold rooms, freezers, and refrigerators, all from a single supplier. In addition, Froiz aimed to meet F-Gas regulations and was focused on implementing an energy-efficient, modern system for its new location.

AHT assisted in designing the commercial refrigeration system to optimize aisle layout, enhancing the overall shopping experience for customers. Froiz selected AHT for its reputation for using natural refrigerants, the high build quality of its units, and its energy-efficient approach, which significantly reduces energy costs compared to other systems on the market.

_Year of installation

2024

_Installed System

- _KALEA FR SPI
- _KALAE Chill SPI
- _BOREA SPI
- _Serve over counters
- _Cold room units
- _Dry Cooler

_Project requirements

Plan & install a complete refrigeration turnkey project for a new supermarket, in compliance with the EU F-Gas regulation.



Installed Equipment Overview:

Freezer Section: KALEA Freeze SPI units, integrated with the SPI system.

Refrigeration Section: KALEA Chill SPI and BOREA SPI units.

Serve-Over Section: Four serve-over counters for meat and fish, and four for the bakery area.

Cold Rooms: Three cold rooms located in the warehouse and two within the supermarket.

All units are installed within the SPI system, which includes a compact dry cooler and a pump station placed outside the building. This setup eliminates the need for an additional machinery room.

The SPI system utilizes R290, a natural refrigerant, as the primary cooling agent within the units, while a water/glycol mixture circulates in the system's cooling circuit.

AHT planned & installed the complete commercial refrigeration system



This project showcased AHT's capability to provide comprehensive turnkey solutions that comply with EU F-GAS regulations, while upholding key principles of system simplicity, safety, and energy efficiency.