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COOL-FIT 4.0

Where tradition meets Cooling

Reference case: Real Atunara, Olhão,Portugal



Efficient, corrosion-free cooling designed to protect fresh tuna and deliver reliable performance, even under demanding heat and humidity.

Cooling a Centuries Old Tradition

Founded in 2011, Real Atunara combines the centuries-old Algarve tradition of almadraba fishing with a commitment to innovation. As the company entered a new stage of growth, it expanded its facilities in Olhão to process its high-quality Atlantic bluefin tuna on site. The goal was clear: create a fully equipped preparation unit that would enable Real Atunara to add even more value to its product.

Project background

Located directly by the sea in southern Portugal, the new facility presented demanding conditions for its refrigeration system. High humidity, a saline coastal environment and outdoor temperatures reaching +43 °C made durability a key consideration. At the same time, working with fresh fish required reliable and efficient refrigeration. Rather than simply replacing conventional metal piping, the project required a complete piping solution capable of supporting Real Atunara's new operations under these challenging environmental conditions.



Tiago Mendes, CEO at Livrecold (Installer) and Nuria Martinez, Sales Manager Cooling GF Spain and Portugal

Selected technical solution

The new refrigeration installation features an 80 kW chiller serving positive-temperature areas and cold stores, with water supplied at −8 °C and outdoor design temperatures of +43 °C. Around 150 metres of GF COOL-FIT 4.0 pre-insulated piping were installed, including all required bends and fittings.

With pipe sizes of 90, 75, 50 and 32 mm, the system provides a complete solution designed to meet the specific refrigeration requirements of Real Atunara's new processing facilities.



Installation of COOL-FIT 4.0 d90, d75, d50 and d32

Achieved improvement

COOL-FIT 4.0 was selected for its ease of installation and maintenance, as well as its protection against corrosion, a decisive advantage in a facility located directly by the sea. The project was also supported by close collaboration with GF, including technical assistance with calculations and project questions. The result is a robust, durable and efficient installation tailored to Real Atunara's needs, supporting its ambition to bring together Algarve tuna-fishing tradition, innovation and sustainability.

Customer benefits

- **Corrosion-resistant performance in demanding coastal environments**
- **Quick and easy piping installation**
- **Reduced maintenance requirements over time**
- **Reliable operation under extreme temperature conditions**
- **Technical support throughout the project**

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