

Epta Implements NFC Technology for Enhanced Refrigeration Management

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Epta is advancing its digital transformation by integrating Near Field Communication (NFC) technology into its refrigeration units. This initiative enhances operational supervision, optimizes workflows, and improves overall efficiency across the product lifecycle.

Smarter Refrigeration with NFC Connectivity

Epta has introduced customized NFC tags on all its refrigeration models. These tags feature a unique and traceable identifier (UID), applied during production to metal frames using special shielding to prevent electromagnetic interference. The technology ensures real-time access to product data throughout its lifecycle via a cloud platform.

The NFC tags also include a Data Matrix code for compatibility with existing scanning equipment and a branded logo to reduce counterfeiting risks. By enabling real-time monitoring of refrigeration units, remote cabinets, and plug-ins, the system supports improved diagnostics, troubleshooting, and maintenance operations.

"For Epta, the application of an NFC tag provides added value in terms of operational efficiency, transparency, and traceability, as well as an effective maintenance tool to support the Lifecycle Program Eptaservice," says Massimo Occhipinti, Digital & Data Platform SR Manager at Epta. He adds, "Access in real time, through any device, to the operating parameters of refrigeration units allows to optimise diagnostics and open maintenance work with consequent management of troubleshooting processes, to ensure timely and qualified assistance."

This initiative also aligns with the development of the EU Digital Product Passport, facilitating data collection and processing to support business strategies.