

Fortunato Della Guerra

Technical Director | Inres Coop | fortunato.dellaguerra@inres.coop.it

Bio

Fortunato Della Guerra was born in 1963, graduated in Mechanical Engineering at Florence University. He worked in Energy field and Quality Assurance. Since 2000 at INRES, today he is the Technical Director. INRES is the national consortium of Consumer cooperatives that provides them technical services. INRES Mission: "To be the excellent heart and the central management unit of three macro-process: design, building and fitting out of retail shop". Founded in 1969 INRES is the national consortium that plans and designs supermarkets, hypermarkets and shopping center, is responsible from architectural design, till openings, through Civil works, HVAC, Electrical plants and everything it's needed for supermarkets and shopping centers building.

Abstract

Assessment of Performance and Costs Gained from Different Experiences in Italy with CO₂/HC Systems Used for Commercial Refrigeration in Supermarkets

After a short presentation about INRES and Coop, there is a focus on the refrigeration aspect.

- Comparison among several plants operated with different technologies (cascade R134A vs trans-critical)
- Some examples of energy efficient technologies adopted
- Energy results coming from a deep renovation in an existing supermarket in which several energy efficient technologies were adopted, including a trans-critical refrigeration system