







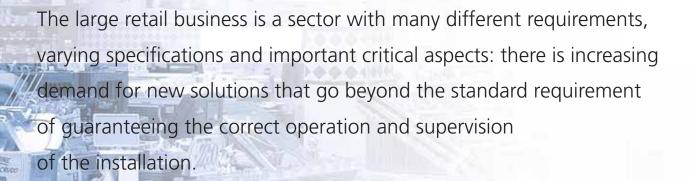
PlantVisorPRO High end supervisory solution



Refrigeration utilities

Compressor racks





CAREL retail sistema is the solution that CAREL has developed to respond to the current challenges in this market: a dedicated approach that improves the overall management of the installation and brings savings in energy costs.

CAREL retail sistema can satisfy all requirements for the control, integration and supervision of the different functional areas involved in the generation and delivery of cooling for foodstuffs and the control of room air-conditioning.



In addition, special focus has been placed on reducing energy consumption through the use of innovative technology developed by CAREL.



Control of the cooling systems and observance of the regulations in force is guaranteed by the use of specific standards-compliant solutions and integration of these into just one system.

From the smallest sales outlet to the remote management of a chain of hypermarkets, CAREL is a partner that can offer...

...the one solution

Air-conditioning

Electrical loads



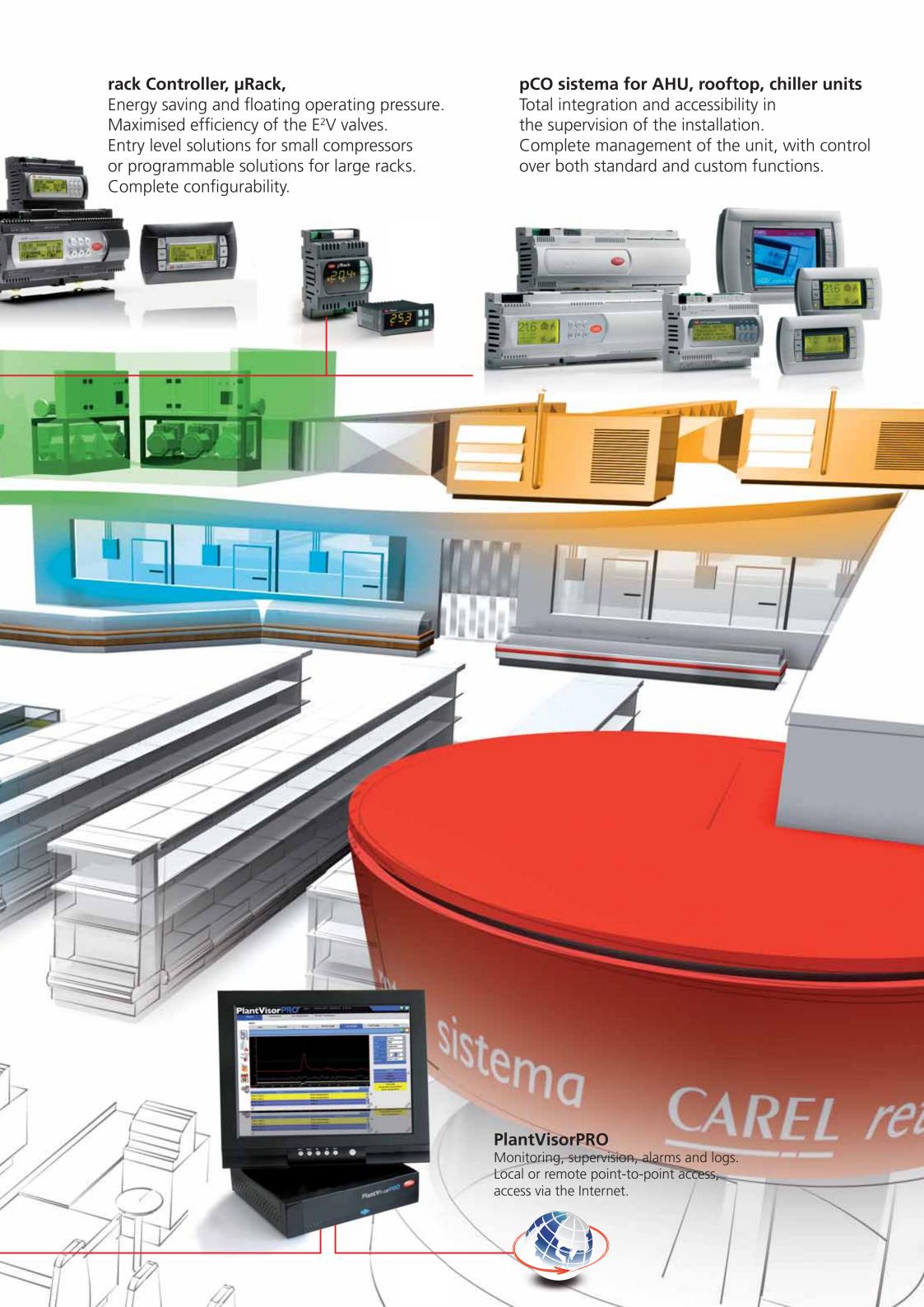






Integration, energy saving, food quality





Technology and precision for the Retail market

Years of experience in commercial refrigeration, electronic control and supervision have allowed CAREL to acquire the know how required to develop a system specifically dedicated to the retail market:

CAREL retail sistema.

CAREL is and has always been the developer and promoter of advanced **control systems**, both at an individual-unit level, optimising operation, and as regards the **integrated management of complete installations**, with solutions for local and remote access and wired or wireless connectivity.

The company is one of the biggest investors in **research and development** in the sector, and considers this to be a point of distinction in a market that is so focused on innovation.

The many recent developments and innovations in the Retail context include the incredibly successful E²V proportional electronic expansion valve.

By installing an E²V on each refrigeration utility and using CAREL controllers for compressor racks and the PlantVisor supervision system, very significant **energy savings** can be achieved in both **refrigeration** and **air-conditioning**, as highlighted by the case studies completed on extensive field trials.

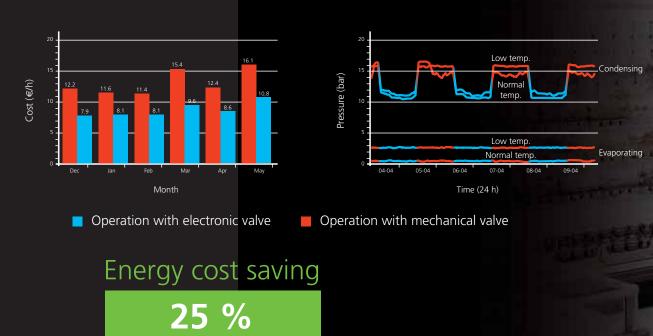
The consequent reduction in polluting emissions is one further "side effect" that all leading retail and industrial businesses are striving for: today, being a "green company" is more a duty than a luxury.



Air-conditioning Case Study



Refrigeration Case Study



"...using electronic valves at the supermarket in question gives rise to an average saving... between 20% and 35%..."

from: "Energetic performance of different expansion valves in a supermarket", CNR (National Research Council) IIR Conferences in Vicenza 2005



CAREL:

- Founded in 1973, thirty years' experience in electronic control for refrigeration and air-conditioning.
- Over 700 employees, 5 production sites worldwide, 7 subsidiaries, direct operations in 12 countries and distributors in 75.
- 7% of consolidated sales invested and 20% of staff directly employed in Research and Development.

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