





Solutions for Convenience Stores

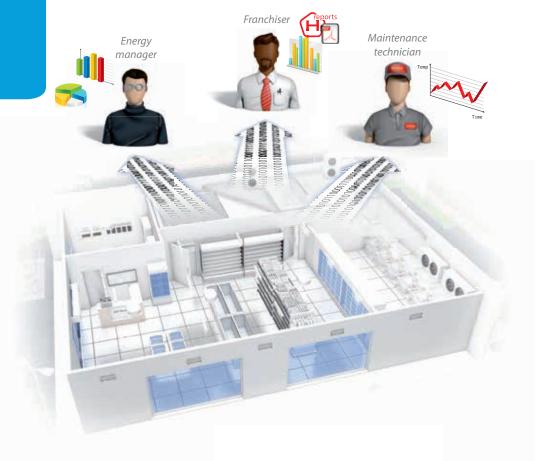
Optimisation and complete management of small footprint stores

Control solutions for small footprint stores

A complete solution that ensures efficiency and prevents energy and food wastage across thousands of small stores.

- ✓ Energy saving
- ✓ Food quality
- ✓ Opex reduction
- ✓ Low maintenance
- C-Store analytics
- In-store optimisation
- Scalable solutions
- Full product range

This system has been designed to meet the needs of all the different players involved in the application. From the service company, to the franchiser and the retailer. For every professional operator in the chain, the system offers specific functions that optimise working times and maximise profits, reducing the "hidden" costs of normal manual control by specialist personnel.





Energy saving

Optimisation and monitoring of system performance: specific functions to increase system efficiency and analyse trends in energy consumption.



Responsibility

The lower the energy consumption, the lower the CO_2 emissions; together with CAREL to support environmentally-sustainable energy consumption.

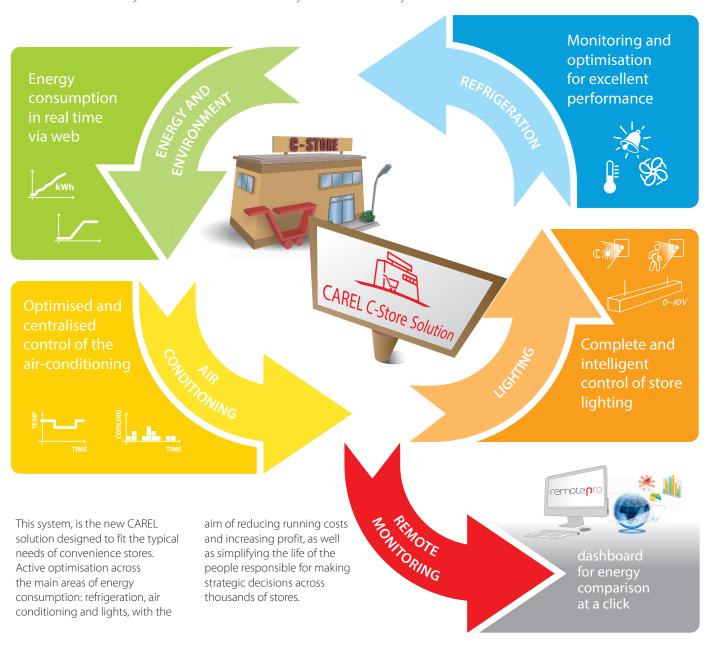


Data analysis

Not just simple data, but rather the information needed to make the right decisions.

Suitable for retrofit or new installations

value proposition based on one single system designed in order to integrate and manage all the data generated by the different areas of the store, providing valuable information in your hands in an easy and fast way.





Flexibility

Easy installation and configuration: a solution that can offer simple solutions for many needs.



Integration

One single solution that integrates the complete management of the different areas of the store.



Professionalism

A team at your service to determine the most suitable solution for your needs.

Refrigeration, Air Conditioning, Lights and Energy

Monitoring, Optimisation, Usability and Dashboard are the keywords to best describe this solution.



Optimisation and monitoring

p**Chrono**

Compact entry-level optimisation

- Single control for all areas
- Ethernet interface for remote monitoring
- · Configuration wizard
- Wireless options







High-end monitoring

- Directly connect to pChronoCS over RS485
- Alarm notification
- In-store data analysis
- HACCP reports



sensor

Enterprise data analysis

The data acquired become useful information for creating the right strategy, optimising monitoring across stores and maximising energy saving.

The efficiency gained can be maintained only with a centralised data analysis system that helps decision makers adopt the right actions.

System optimisation, energy saving and product quality are the main objectives of data centralisation:

- · data copied from local to centralised system;
- interactive graphs to make system troubleshooting faster;
- · different system access profiles;
- custom reports and compliance with legislative requirements in force;
- statistics on cabinet temperature behaviour;
- documents and notes relating to the system can be shared;
- continuous control of correct system operation via sign-of-life;
- centralised management of units via local supervisors.

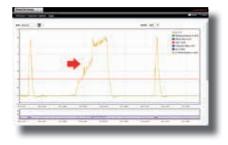




Maintenance performance



Temperature compliancy



Remote maintenance and troubleshooting



Maintenance optimisation

- Avoid unnecessary costs
- Manage all stores with one single solution



Food quality

- Centralised food temperature reports
- Store data for more than one year





Analysis

- Raw data into readable information
- Identify situations that may cause cost increases.



Energy dashboard

- Compare stores to highlight worst cases
- Focus investments on critical areas.

Energy consumption analysis

With RemotePRO, data on energy, lighting power and gas consumption in all configured stores are readily available. Comparisons can then be made between systems/stores, or the same store over different periods, so as to compare energy consumption statistically. RemotePRO is a tool that helps customers easily identify where to take any action needed to optimise energy consumption.



Energy management





Scheduled reports

RemotePRO can be used to generate, in PDF format, automatic and scheduled transmission of energy consumption reports via email. The reports generated, including specific HACCP reports, provide immediate feedback on abnormal or unexpected energy consumption by one or more systems. The reports can be customised and sent to the recipients based on their specific needs.







Your store at a glance

Wherever you are, with a simple Internet connection from your PC or smartphone/tablet, your store is under control at all times.



Store situation at a glance



Refrigeration cabinets under contro



Detailed energy consumption data





CAREL products for convenience stores



1 pChronoCS

The brains of the system in terms of efficiency management for Air Conditioning, Lights and Energy. "Avoid driving by feel" thanks to active control of the store. Maximise energy savings.

2 Store manager dashboard

7" touchscreen user friendly interface to monitor critical system situations; data shown for up to 7 days and overview of the main defined energy consuming areas

Metering

Energy meter measures consumption behaviour of the connected loads. Power consumption data are saved for complete and detailed analysis, allowing operators to identify when and where consumption occurs, any inadequate behaviour and incorrect use, faults and abnormal consumption, and evaluate the effects of the energy saving actions implemented.

4 Refrigeration controllers

A full range of products for catering refrigeration control, display cabinets, showcases and cold room. Designed based on feedback 'from the field', with an elegant and modern design.

Sensors

A wide range of sensors, including wireless models, for monitoring temperature, humidity, pressure, CO₂, etc.
Combined motion and brightness sensors interact with pChronoCS in order to optimise the use of lighting, combining artificial lights with natural daylight.

6 RemotePRO

The enterprise software system that can centralise data from thousands of stores. It provides a built-in dashboard suite in order to ensure the sustainability of each single store in terms of performance and efficiency, helping the people in charge make strategic decisions.

7 pwpro

PlantWatchPRO now has a new design, to better respond to the needs of small-medium systems.

The new hardware allows different users, such as installers, maintenance personnel and store managers, to check and optimise their air-conditioning, lights, energy and refrigeration systems in a simple and intuitive way.

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