

CASE STUDIES: SUPERMARKET CHAIN



OCTOBER 2020

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AKO

Supermarket chain

Main challenge:

Group of establishments in the Food Retail sector located in different cities in Israel. Main objective: **decrease energy consumption** of refrigeration services in its more than 100 establishments.

■ **50%**

The energy consumption of refrigeration in a supermarket accounts for almost 50% of the total consumption of the establishment.

■ **15%**

A refrigeration installation that does not optimize its operation can increase its electrical cost by up to 15%.

■ **PROBLEM**

HIGH ENERGY CONSUMPTION

The property, along with the contractor, an expert installation company in the supermarket sector, detect the need to: reduce the electrical cost of services (cold room stores, furniture, shelves ...).

Likewise, they want to reduce the problems of ice accumulation in some services. Monitor all services from a single platform.



Reduce the electrical cost of services.



Monitor the installations from the same platform.



Reduce the accumulation of ice in elements of the cold room stores.



SUPERMARKET CHAIN

Solution - Result:

AKO proposed its **AKOCORE Advance + AKONET.Cloud** solution. An efficient solution that optimizes the installation's performance as well as contributes to its environment-friendliness.

■ SOLUTION

Pilot tests were carried out in different establishments:

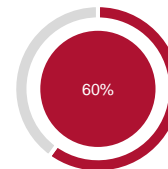
1. Installation of an energy meter with internet connection in the supermarket electrical panel to compare consumption before and after the test.
2. After a month, installation of the AKOCORE Advance Advanced temperature control connected to AKONET.Cloud, an intelligent platform for monitoring the status of the pilot supermarkets installations at any time and from anywhere.
3. Finally, a comparison of the consumptions before installing the controls on Self-Drive and afterwards, obtaining more than satisfactory results.

■ RESULTS

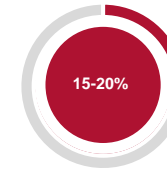
MONITORING SERVICES
ON A SINGLE PLATFORM



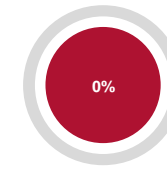
DEFROST REDUCTION
60%



ENERGY SAVING
15-20%



0% ICE ACCUMULATION IN
THE EVAPORATOR



SUPERMARKET CHAIN

BENEFITS OF THE SOLUTION

The advanced AKOCORE Advance temperature control allows you to manage the components of your installation more efficiently, reducing consumption.



BENEFITS



Energy efficiency.
It reduces electricity consumption by up to 35%.



Detects the formation of ice.



Minimisation of the number and duration of defrost processes.



Detects the state of the refrigerant gas.



Reduced installation and start-up times.

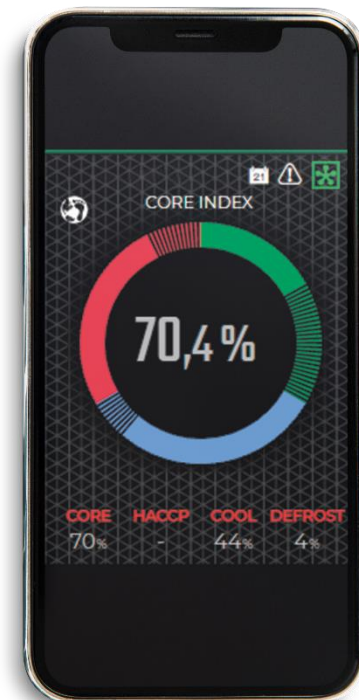


Monitors the door opening.

AKOCORE ADVANCE + AKONET.Cloud

An efficient and sustainable solution based on advanced temperature control through its SELF-DRIVE® algorithm and intelligent monitoring which allows you to know the status of your refrigeration installations at any time and from any place and device.

You will be able to access all data, modify parameters remotely, receive alarms in the event of any problem, sent via email or smartphone notifications, use automated reporting and view the status of your installation in LIVE mode.



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