

## T-Box Improves Energy & Refrigeration Management at Groupe Casino

With almost 10,000 stores in 11 countries, Groupe Casino is one of France's leading food retailers. Its hypermarkets, supermarkets, discounts stores, convenience stores, and restaurants employ over 130,000 people and generate sales of 22 billion per year. In France, Casino has installed advanced telemetry systems from T-BOX in many of its supermarkets.

The solution has been designed to optimize energy costs in two areas:

- Management of electricity consumption (lighting, heating, baking equipment, motive, power, etc.) around opening and closing times and the automatic shutdown of electrical equipment (to avoid any excess consumption) to achieve annual electricity cost savings of 15% to 20%.
- The dynamic charting and recording of refrigeration case temperatures, allowing better monitoring of refrigeration systems to improve food quality assurance.

While the electricity consumption management and temperature recording functions are independent programs, information is centralized in real time by satellite link and by Public Switched Telephone Network (PSTN) with a central supervisory station. The remote use of Minitel allows the equipment to be controlled and displayed and will reveal any system problems.

In this application, the main advantages of the T-BOX solution for Casino are:

- Extremely rapid return on investment as a result of substantial electricity consumption savings.
- Simple implementation thanks to a Minitel interface adapted to the needs of each supermarket manager.
- Installation of a single unit for both refrigeration and electricity consumption management.
- Continuously recorded data so temperatures and defrosting peaks can be accurately tracked.
- Remote settings of control data, temporary deviations, and shutdown.
- Automatic call-out alarm for key refrigeration maintenance personnel.

