Intelligent Thermostats for Beverage Cooling

→ This solution minimizes energy use by observing consumer behavior and learning about the working environment refrigeration appliances operate in.

Elstat's Energy Management System is an intelligent thermostatic control for commercial refrigeration appliances. The controllers have the ability to **gather traffic and consumption data** around the cooler. This data is used to build an accurate overview of shop opening hours, cooler usage, and its ability to bring freshly loaded beverages to the desired temperature.

The solution achieves energy savings in the range of 25-40%, by **knowing exactly when drinks need to be cool** and assures the optimum serving temperature when the shop is open and people use the cooler.

ENVIRONMENTAL

According to Elstat, the product is capable of preventing the release of the equivalent of 2.2 million metric tons of CO2 annually.

ECONOMIC

Elstat claims a potential of $560 million saved annually in energy costs.

Why a Sustainia100 solution?

Refrigeration is claimed as one of the greatest innovations in the history of the food and beverage industry, providing consumers both rich and poor with a safe and convenient solution. Yet its primary functions have barely changed in 100 years and remains a significant contributor of CO2 emissions. By intelligently adjusting the functionality of the refrigerator to the needs of the users, it is possible to gain energy, and economic savings.

Developed in UK

Deployed in 90+ countries across Africa, Asia, Australia, Europe, North- and South America.