

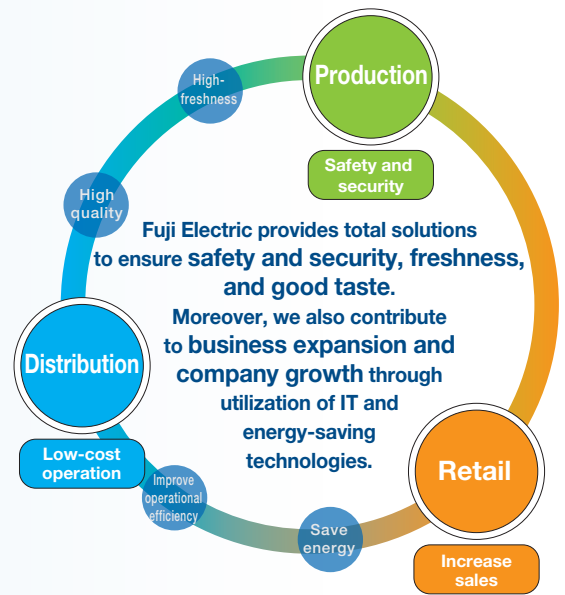
Special Feature: Realizing a Sustainable Society

2 Contributing to Food Security and Safety

Fuji Electric aims to offer security and safety, freshness and good taste in its food and beverage distribution operations.

We wish to help ensure that products that agriculture and fisheries workers have put their sincere efforts into making safely reach store shelves as fresh and tasty offerings for consumers.

Based on our long-term strengths in cooling technology, we propose total food distribution solutions utilizing IT and energy-saving technologies to producers, distributors and retailers.



Case Example

Kumamoto Uki Japan Agricultural Co-operatives

Temperature Management for Refrigeration Facilities Used in Food Production Areas

Kumamoto Uki Japan Agricultural Co-operatives is in Kumamoto Prefecture, Japan, a major citrus fruit production area. The main challenge for this cooperative is to control the sweetness, sourness, and freshness of the dekopon, considered the king of citrus fruits. The key consideration is temperature management in the facility at which the fruit is stored after picking.

To be able to supply the fruit beyond the peak picking season of March through April, dekopons slated for sorting are kept in refrigerated storage. While vegetables and other produce are generally stored at 3°C to 4°C, dekopons are refrigerated at slightly higher temperatures to avoid sudden changes on exposure to outside air during loading, and to ensure that the fruit reaches consumers in the best condition.

Fuji Electric provides a monitoring system that helps maintain perfect temperature and good taste.

This setup meticulously manages refrigerator temperatures as stored fruit volumes fluctuate and workers open and close doors during shipment times. The system warns managers of any abnormal refrigeration conditions.



Warehouse where temperature is maintained by a refrigeration facility



The dekopon, a local speciality of Kumamoto Prefecture

Voice

Comment from the Customer



Hideji Kawasaki
Representative
West Agriculture Center, Citrus Sorting Facility,
Kumamoto Uki Japan Agricultural Co-operatives

We place the highest value on quality maintenance and management. Refrigerator temperature management ensures we can deliver fruit in the best condition to more people because we can maintain quality for as long as possible. We treat dekopons carefully, like children, shipping the fruit after packing each piece by hand to protect it from damage. We strive daily to safeguard the Dekopon brand to encourage more consumers to become fans of this fruit.

Case Example

Lawson, Inc.

Distribution System Transformed by E-Commerce

Fuji Electric Provides Support with Refrigeration Technology, and Design and Implementation Know-How

Internet shopping and other e-commerce activity has expanded rapidly in recent years with the spread of household Internet usage. Lawson, Inc., a major convenience store chain operator, runs the Smart Kitchen delivery service for foods and daily items in conjunction with major online business Yahoo Japan Corporation.

To create a new business that supplies food without passing them through stores, Lawson launched Lawson EC Distribution Center Zama, a refrigerated facility in Zama, Kanagawa Prefecture. Fuji Electric's refrigeration technology ensures strict temperature management in each compartment for different product categories such as frozen foods and perishables.

The refrigeration technology that Fuji Electric cultivated in vending machine and refrigerated showcases over the years and its expertise in designing and constructing stores and warehouses has enabled it to support the retail industry from the distribution side to help make lifestyles more convenient.



Goods disposal space at the distribution center. The room is kept at low temperatures

Case Example

Familymart Co., Ltd.

Proposing State-of-the-Art Eco-Stores to Lead the Industry

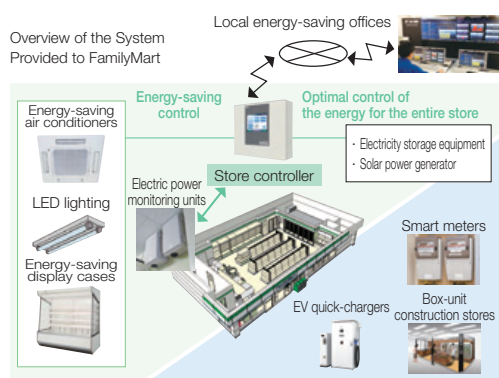
Familymart Co., Ltd., a major convenience store chain, is participating in the experimental Kitakyushu Smart Community Project*. The company has opened FamilyMart Media Park Yahata Shop, which employs advanced energy management systems.

Fuji Electric built systems to optimize the energy consumption of store fixtures such as

energy-saving air conditioners and lighting. These systems automatically minimize electricity costs while maintaining comfortable store areas and product quality. This setup links with a Community Energy Management System (CEMS) to optimize community-wide energy consumption.

Fuji Electric will continue to cultivate smart store operations, proposing optimal solutions through products, technologies, and expertise that conserve electricity and heat energy. Key examples are store energy management systems and showcases and air conditioners that consume less energy.

* The Kitakyushu Smart Community Project is an experimental initiative in which 73 companies and organizations are taking part. The City of Kitakyushu is overseeing the project. FamilyMart and Fuji Electric are among the six companies taking part in the smart store experiment.



Other products provided by Fuji Electric

Voice

Comment from the Customer



Fumiaki Ohno
General Manager, CSR Department
Management Division
Familymart Co., Ltd.

FamilyMart has actively addressed energy-saving at stores as part of efforts to conserve the environment in the course of business. As a new experiment, we have linked the FamilyMart Media Park Yahata Shop with a CEMS. We aim to contribute to the community by helping lower energy consumption fluctuations.

A major attraction of the project is that FamilyMart can contribute to flattening energy consumption not only at stores but also throughout communities in cultivating our operations globally. We hope to extend our business model to Southeast Asia and other areas in which electricity demand is continuing to surge.