Resilient Supply Chain

EcoStruxure™ enables trust in the Food & Beverage, Household and Personal Care industries.
We help on every step of the value chain

**Efficient facilities**
Safer, more available, and greener resources

**Agile manufacturing**
Boost manufacturing flexibility & efficiency

**Resilient supply chain**
Manage complexity and improve visibility
… enabled by transversal digital transformation capabilities

Food Safety & Traceability
Ensure compliance and increase trust across the whole value chain

Energy & Sustainability
Reduce environmental footprint and meet sustainability goals

Asset Performance
Maximize return on asset investment

Workforce Empowerment
Take teams efficiency to the next level

Digital Engineering
Cut time, cost and risks of capital project engineering

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Manage complexity and improve visibility across your Supply Chain

Agriculture efficiency & sustainability
Help farmers and agribusiness improve productivity, better manage the use of resources and achieve regulation compliance and traceability.

Greater yield
leverage digital solutions

Warehouse management
Ensure process, control and optimization of warehouse operations to improve efficiency and address ecommerce imperatives.

Increased productivity while ensuring safety

Supply chain optimization
Increase your visibility, improve agility and performance to build a resilient supply chain, end-to-end.

Build a resilient Supply Chain

Product Information Management
Ensure the right information related to the product is available for a seamless omnichannel retail experience.

Up to 17% increase in data accuracy

Cold chain monitoring
Manage efficiently your assets tracking, performance and maintenance to optimize your supply chain logistics.

Ensure efficient & secure operations

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Resilient Supply Chain
Manage complexity and improve visibility across your supply chain

Warehouse Management
Ensure process, control, and optimization of warehouse operations from receiving and shipping product items

Cold Chain Monitoring
Manage efficiently your assets tracking, performance and maintenance to optimize your supply chain logistics

Fields & Farms
→ Cooperative
→ Manufacturing
→ Distribution
→ Retailer
→ Consumers

Agriculture efficiency & Sustainability
Help farmers and agri-business improve profitability and better manage resources

Supply Chain Optimization
Get visibility into your entire suppliers’ network. Help operational and strategic decisions for efficiency and profitability

Product Information Management
Ensure the right information related to the product is available for omnichannel retail
Cold Chain Monitoring
Manage efficiently your assets tracking, performance and maintenance to optimize your supply chain logistics

• Supply chains are major contributors to environmental impact.
  • The need for sustainability to address primary threats such as Climate Change has been reinforced by COVID-19 pandemic and will be a priority in recovery plans.

• Increasing «on-the-go» trend: more and more coolers installed at different Point of Sales (PoS)

• How to manage efficiently these delocalized assets?
  • Prevent asset from being stolen: direct impact on costs and product sales
  • Impact on brand image if cooler not working at the proper temperature – monitoring cooler performance
  • Lower maintenance asset costs
  • Optimisation of geographical distribution of the assets based on sales intelligence data
Solutions for Cold Chain Monitoring

Manage efficiently your assets tracking, performance and maintenance to optimize your supply chain logistics

The solution

Business value

• Simplified supervision solution with easy integration
• More secure, efficient and effective operations
• Improved transparency: automatic data generation, collection, processing and management
• 70%~80% reduction in labor requirements compared with traditional cold storage
• Highly efficiency energy usage with energy consumption reduced by 25%
• Cold chain guarantee in critical environment
• Compliant solution to HACCP requirements

Learn more
Customer Challenge
- Increasing export demand
- Maintain good integration of automation control for cold and condensation storage process control system

The Solution
- EcoStruxure Plant incl.:
  - Automation & Control: Citect SCADA with Modicon PLC M340 Standalone using X80 IO’s used for total control logics
  - Aveva Historian

Customer Benefits
- Simplified supervision solution
- Easy integration
- More secure, efficient and effective operations

The Results: Life is On with... More secure, efficient and effective operations

Processing facility dedicated to producing environmentally sustainable, premium fish, shrimp and associated aqua products for the domestic & international markets.
Customer Challenges
- Connected and efficient cold chain storage to guarantee food safety
- Energy efficiency
- Intelligent logistics center
- Seamless information center for e-commerce

The Solution
EcoStruxure for Industry solution, including hardware & software, helps Jingkelun build an automated, intelligent refrigerated storage that is connected, efficient, and saves energy

Customer Benefits
- Improved transparency: Automatic data generation, collection, processing and management to share with the company’s management system
- 70%~80% reduction in labor compared with traditional cold storage
- Annual power consumption of only 8kwh/m³ meets leading international standards

The Results: Life Is On with... 70-80% reduction in labor requirements and highly efficient energy usage

"Cooperation between Jingkelun and Schneider Electric creates a masterpiece for up-to-date intelligent cold storage and offers infinite possibilities for its fully intelligent and highly effective development in the future."

Quanjiang Wang
General Manager,
Beijing Jingkelun Refrigeration Equipment Co., Ltd.
Securing the cold chain in a critical environment

Italian regional grocery retailer

Customer Challenge
- Secure the cold chain in a critical environment (hot temperature in South Italy)
- Reduce annual maintenance costs in their remote locations
- Energy saving & OPEX
- Several systems with different user interfaces to learn

The Solution
- EcoStruxure™ for Supermarkets incl.:
  - EcoStruxure™ Building Operation
  - EcoStruxure™ Power Monitoring Expert
  - Eliwell food refrigeration system
  - HVAC Control
  - Lighting Control
  - MV/LV & final distribution, capacitor banks, power meters, wiring devices & thermostats, NCO, UPS

Customer Benefits
- Reduced energy usage
- Cold chain guarantee in critical environment
- OPEX reduction in remote locations
- Easy to use and unique user interface

The Results: Life is On with... Energy consumption reduced by 25%
Eliwell TelevisAir Solution
Solution for connected coolers

The Solution

TelevisAir CLOUD for:
• Cooler geolocalisation
• Data storage & analytics for cooler performance
• Alarm notification
• Cloud enabled services

Eliwell AIR app for:
• Smart local interface with the controller
• Easy setting & support
• Local datalogging management

Benefits

• Efficient asset tracking: detect cooler geoloc changes
• Cooler performance: through data storage & analytics, check cooler performance during warranty period
• Optimized maintenance: alert notification, HACCP reports
• Optimized supply chain logistics: shop visit itinerary, refilling logistics and fleet profitability

Learn more
Resilient Supply Chain

Manage complexity and improve visibility across your supply chain

- Warehouse Management: Ensure process, control, and optimization of warehouse operations from receiving and shipping product items.
- Cold Chain Monitoring: Manage efficiently your assets tracking, performance, and maintenance to optimize your supply chain logistics.
- Raw Materials: Fields & Farms, Cooperative, Manufacturing
- Products: Distribution
- Retailer: Consumer
- Agriculture efficiency & Sustainability: Help farmers and agri-business improve profitability and better manage resources.
- Supply Chain Optimization: Get visibility into your entire suppliers’ network. Help operational and strategic decisions for efficiency and profitability.
- Product Information Management: Ensure the right information related to the product is available for omnichannel retail.

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# EcoStruxure for Food & Beverage / CPG

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## Food Safety & Traceability
Ensure compliance and trust across the product life cycle

- Food Defense
- Cybersecurity Services
- Digital Calibration
- Raw material traceability
- Production traceability
- Product Identification & Tracking
- Sustainability Consulting
- Energy Demand Services
- Strategic Energy Sourcing
- Enterprise data management
- Energy as a Service

## Energy & Sustainability
Reduce footprint and meet sustainability goals

- Assessment and Consulting
- Enterprise Asset Management
- Condition Monitoring
- Predictive Analytics
- Line & Process Optimization
- Modernization services
- Operator Training Simulator
- Augmented & Virtual Reality
- Workflow Management
- Staff Schedule Management
- Operator Knowledge Sharing

## Asset Performance
Maximize return on capital expenditure

- Food Defense
- Cybersecurity Services
- Digital Calibration
- Raw material traceability
- Production traceability
- Product Identification & Tracking
- Sustainability Consulting
- Energy Demand Services
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- Operator Training Simulator
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- Staff Schedule Management
- Operator Knowledge Sharing

## Workforce Empowerment
Improve staff knowledge, productivity and collaboration

- Food Defense
- Cybersecurity Services
- Digital Calibration
- Raw material traceability
- Production traceability
- Product Identification & Tracking
- Sustainability Consulting
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## Digital Engineering
Cut time, cost and risks of capital project engineering

- Food Defense
- Cybersecurity Services
- Digital Calibration
- Raw material traceability
- Production traceability
- Product Identification & Tracking
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- Energy Demand Services
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- Operator Knowledge Sharing

## Additional Services
- Electrical CAD
- Building Information Modelling
- Integrated Engineering-Design
- Digital Asset Visualization

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Let’s talk about EcoStruxure™ for Food & Beverage