

The food safety imperative

The potential for foodborne illnesses threatens food manufacturers, retailers and consumers.



84% of consumers hold manufacturers and retailers responsible



48 million people (1 in 6 Americans) contract foodborne illnesses each year



A recent recall cost a leading ice cream maker a **67 percent** sales loss



A single, 250-person outbreak can cost a fast food restaurant up to **\$1.9 million**

Protecting food quality and sustainability

Food quality is a differentiator

Brand reputations are built on the promise of delivering consistently exceptional food and dining experiences.



Willing to pay more for **healthier foods**



Consider food quality, taste and appearance as **key dining criteria**



Global sales of healthy food products were estimated to reach **\$1 trillion** by 2017

Protecting food quality and sustainability

Distribution – Oppenheimer

Time and temperature certainty are essential for perishables on the move.

Keeping perishable cargo “just right”

Challenge:

The Oppenheimer Group needed a foolproof way to monitor and track more than 100 varieties of fruits and vegetables around the globe. Previous temperature monitoring solutions failed to provide reliable information.

Solution:

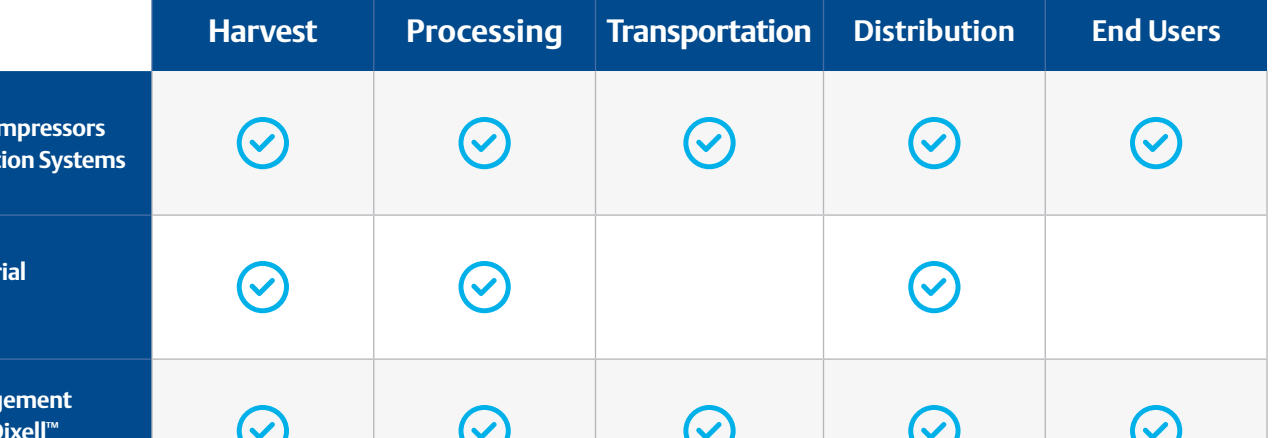
The Oppenheimer Group deployed GO Real-Time cargo trackers:

- On perishable, high-value loads; cold storage facility transfers
- Access to real-time temperature and location data
- Opportunity to correct out-of-temperature loads

Results:

- Saves time and money via on-demand access
- Pinpoints accountability in the event of truck claims
- Limits load rejections

Emerson has solutions for critical areas, applications and markets

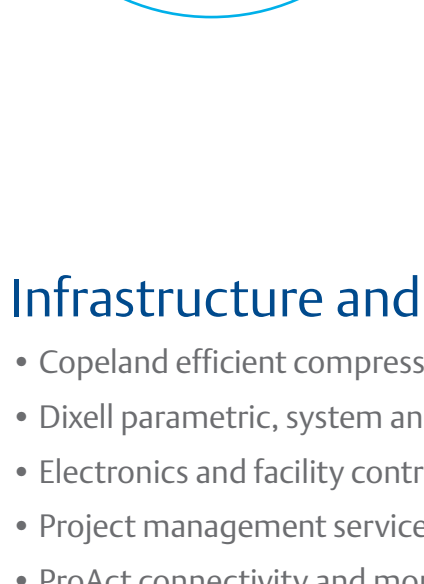
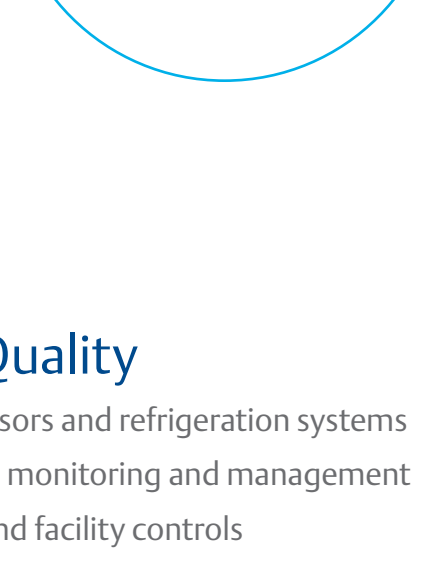


	Harvest	Processing	Transportation	Distribution	End Users
Copeland™ Compressors and Refrigeration Systems	✓	✓	✓	✓	✓
Vilter™ Industrial Refrigeration	✓	✓		✓	
Facility Management Systems and Dixell™ Controls	✓	✓	✓	✓	✓
GO Loggers and Trackers	✓	✓	✓	✓	✓
Cooper-Atkins™, ProAct™ and White-Rodgers™ Temperature Management	✓	✓	✓	✓	✓
ProAct™ Connectivity, Insights and Services			✓	✓	✓
Project Management				✓	✓

Additional Emerson Solutions:

Conditions Control, Management and Insights

- Electronics and facility controls
- Oversight services for cargo
- ProAct connectivity and monitoring
- ProAct software, apps and services
- ProAct service center
- Transformative Wave HVAC and RTU management systems
- Cooper-Atkins temperature management systems
- REFCON vessel and terminal monitoring

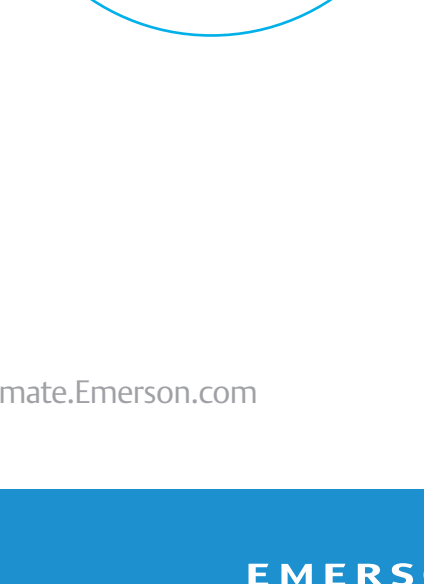
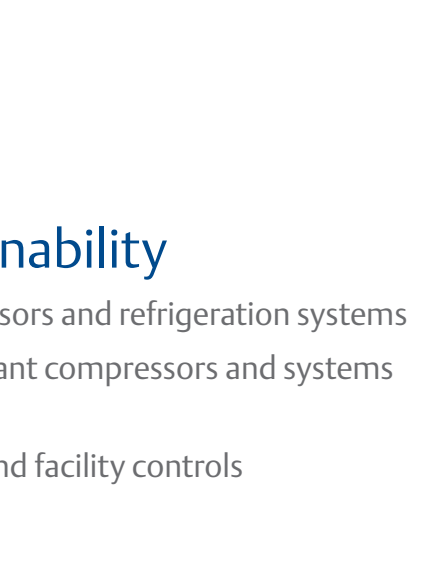


Food Safety and Quality

- Copeland efficient compressors and refrigeration systems
- Cooper-Atkins temperature monitoring and management
- Dixell parametric, system and facility controls
- Electronics and controls
- Cargo trackers and loggers
- ProAct connectivity and monitoring
- ProAct alarm management and food quality services
- Vilter industrial refrigeration
- REFCON vessel and terminal monitoring

Infrastructure and Maintenance

- Copeland efficient compressors and refrigeration systems
- Dixell parametric, system and facility controls
- Electronics and facility controls
- Project management services
- ProAct connectivity and monitoring
- ProAct Site Manager, apps and PSC services
- ProAct software, apps and services for facilities
- Transformative Wave HVAC and RTU management systems
- Vilter industrial refrigeration



Energy and Sustainability

- Copeland efficient compressors and refrigeration systems
- Copeland alternate refrigerant compressors and systems and refrigeration systems
- Dixell parametric, system and facility controls
- Electronics and controls
- Commissioning services
- ProAct connectivity and monitoring
- ProAct reporting, services and insights
- Transformative Wave HVAC and RTU management systems