



ARNOWA for Cold Storage

Precision Monitoring. Predictive
Control. Zero Compromise.

Revolutionise Cold Chain Operations with AIoT

In cold storages, even the smallest fluctuation in temperature or humidity can lead to costly spoilage and regulatory risk. Arnowa's AIoT platform safeguards your operations with real-time monitoring, predictive insights, and automated control—ensuring product safety, compliance, energy efficiency, and uninterrupted reliability across all your facilities.

Core Capabilities



Real-Time Environmental Monitoring

- Continuous tracking of temperature, humidity, and airflow.
- Detect deviations instantly to prevent spoilage.
- Supports compliance with food safety standards.



Predictive & AI-Driven Analytics

- AI models forecast potential equipment failures and storage risks.
- Optimise cooling cycles and energy consumption.
- Generate actionable insights for preventive maintenance.



Automated Control & Smart Alerts

- Automatic adjustment of HVAC, refrigeration, and ventilation systems.
- Smart alerts for temperature, humidity, or equipment anomalies.
- Integration with operations workflows for rapid response.



Multi-Site & Asset Management

- Centralised monitoring across single or multiple facilities.
- Track inventory, storage zones, and critical equipment remotely.
- Performance benchmarking and reporting for operational efficiency.



IoT & Edge Integration

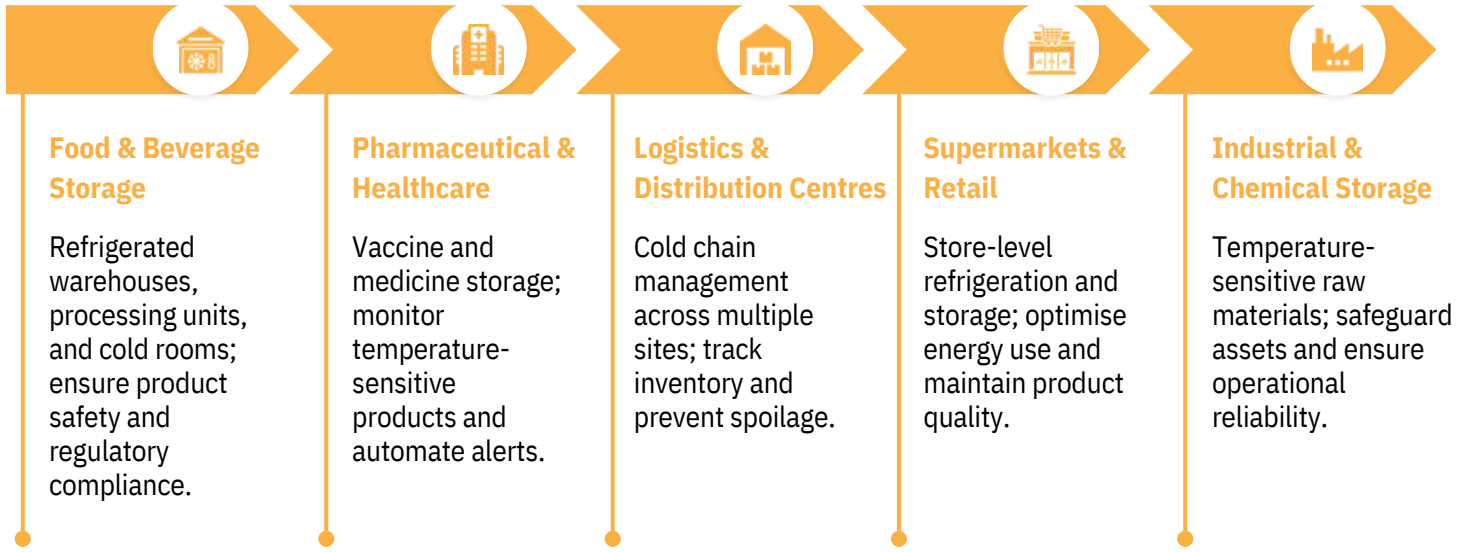
- LoRaWAN® and wireless sensors for low-latency, reliable data collection.
- Edge computing for real-time analytics even in low-bandwidth locations.
- Seamless integration with cloud dashboards and third-party systems.



Digital Twin & Simulation

- Virtual replication of storage facilities for scenario analysis.
- Test operational changes and preventive strategies without risk.
- Enhance decision-making and operational planning.

A Few Use Cases



Benefits at a Glance

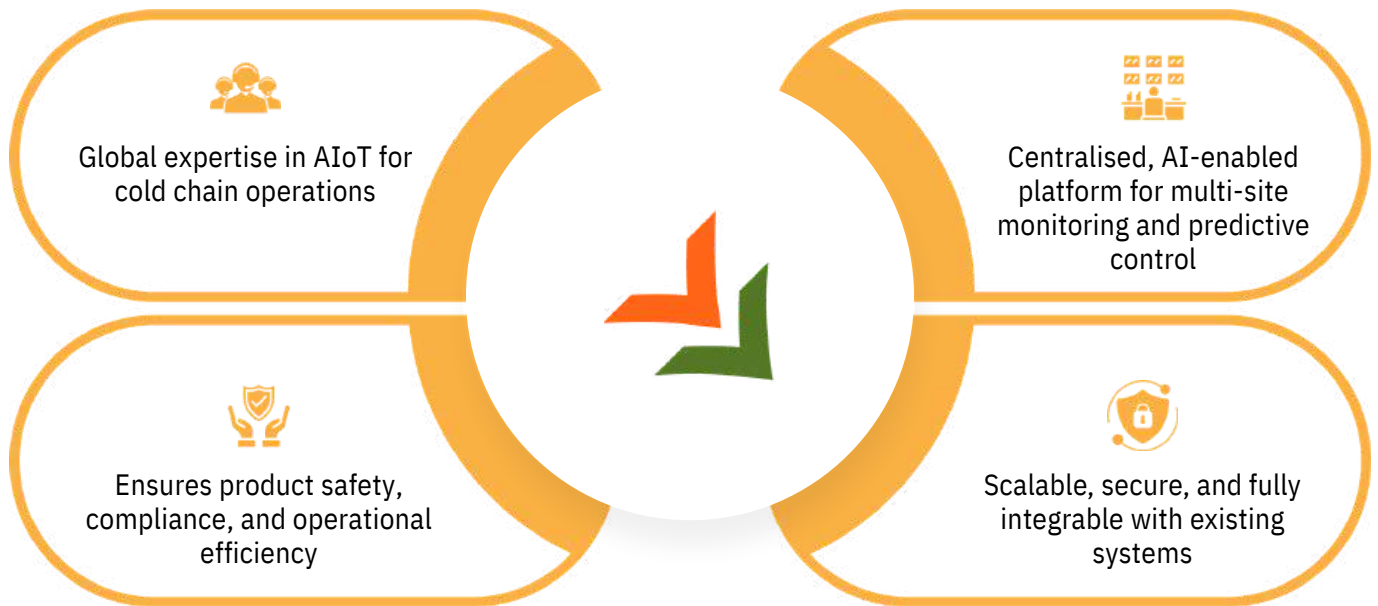
- **Product Safety & Compliance** – Automated, auditable reports for FSSAI, HACCP, and other regulatory frameworks.
- **Cold Chain & Inventory Management** – Real-time tracking of product movement, storage zones, and inventory.
- **Operational Efficiency** – AI-driven alerts and automated control of refrigeration, humidity, and airflow systems.
- **Energy Optimisation** – Predictive insights reduce energy consumption while maintaining optimal storage conditions.

Tech Integration

- IoT x AI
- Edge Processing & Cloud Analytics
- Automated control
- Digital Twins for remote monitoring, scenario simulations, and optimisation
- Centralised dashboards for multi-site visibility and reporting
- RFID & Barcode Integration for real-time inventory and product movement tracking
- LoRaWAN® and wireless connectivity



Why Choose Arnowa?



Protect What Matters Most.

✉ info@arnowa.com
🌐 www.arnowa.com

📍 **Australia**
1/24 Poletti
RdCockburn, Central WA
6164 Australia
Ph: +61 8 64677144

📍 **USA**
884 Sea Island Ln
Foster City, California
Ph: +1 415 658 9958

📍 **UK**
42 Cranbourne Gardens
London, NW11 0HP
United Kingdom
Ph: +447520636067

📍 **UAE**
A2 IFZA Business Park
Silicon Oasis, Dubai
Ph: +971 56 333 1416

📍 **New Zealand**
60A Olsen Avenue
Hillsborough, Auckland
Ph: +64 27 4444 7859

📍 **India**
179/36,12th B-Main Road
75th E-Cross 6th Block
Rajaji Nagar Bangalore
Ph: +91 93504 00005

📍 **Indonesia**
Rukan Permata Senayan
Blok A-29 Jl. Tentara
Pelajar Kebayoran Lama
Jakarta Selatan
Ph : +62 21 5794 0651

📍 **Malaysia**
W-10-6, Subang Square
Jalan SS15/4G, SS15
47500 Subang Jaya
Selangor Darul Ehsan
Malaysia

LoRa Alliance  **localbuy** 

IoTA
IoT Alliance Australia

AUSTRALIAN MADE

PREFERRED SUPPLIER



With Arnowa, gain total visibility and control across your cold storage infrastructure.