



Case Study

Aeritek Transforms Commercial Refrigeration into Intelligent, Connected Assets with FLOLIVE®



The Background

Aeritek is one of the largest manufacturers of commercial refrigeration systems globally, producing **close to 1 million units annually** and operating across North America, Latin America, Europe, and Africa.

The company serves three main sectors:

Institutional Market

Supplying refrigeration units to global beverage and food brands.

Food Service

Standalone refrigeration units deployed in retail and commercial food service or restaurant environments.

Unattended Retail

Smart vending fridges integrated with payment, AI vision, and cloud platforms.

Through its Smart Technologies division, Aeritek is transforming traditional refrigeration into **connected, intelligent assets** capable of delivering real-time data, operational insights, and automated decision-making.

Cellular IoT is the foundation that makes this possible. Commercial refrigerators are deployed in hospitals, gas stations, transportation hubs, airports, and convenience stores where no Wi-Fi can be guaranteed, making cellular the only reliable way to connect every asset, everywhere.

The Business Impact Of Flolive

Always-On Global Connectivity

For assets deployed anywhere.

Real-Time Visibility

Across every deployed asset.

Low Latency (<200ms)

For AI and payment applications.

Built To Scale

From thousands to millions of devices.

The Challenge

The commercial refrigerator has historically been a blind spot. A unit sitting in a hospital cafeteria or a gas station could malfunction, run warm, or go unstocked without anyone knowing until a physical visit. For Aeritek's customers operating at scale, this created significant risk: food safety issues, lost revenue, and inefficient service operations.

At the same time, Aeritek is using connectivity and data to support three critical use cases:

Food Safety And Compliance

Ensuring temperature control, regulatory compliance, and preventing spoilage without manual inspections.

Asset Intelligence At Scale

Monitoring usage, performance, and placement across large fleets to optimize operations and drive revenue.

Unattended Retail Operations

Enabling smart vending experiences powered by payments, vision AI, and real-time data processing.



To solve this, Aeritek had to address several core challenges:

Always-On Connectivity

Assets are deployed in uncontrolled environments where Wi-Fi cannot be relied on. Connectivity must work everywhere, every time.

Regulatory Compliance

Markets like Brazil and Turkey introduce evolving local requirements. Managing compliance across multiple regions became increasingly complex.

Scaling Operations

With growth from thousands toward millions of devices, manual provisioning and management were no longer viable.

Global Deployment Complexity

Deployments span the Americas, EMEA, and beyond. A single solution was needed to work across dozens of countries without country-by-country configuration.

Latency Constraints

Unattended retail relies on real-time performance. Payment data, vision AI, and firmware updates require latency below 200ms to avoid delays and failed transactions.



We're operating globally. We can't manage complexity country by country. We need something that just works everywhere.

Adam Antoniou

VP Smart Technologies



The Solution

After evaluating multiple options, Aeritek selected FLOLIVE® for its ability to support global deployments without adding complexity.



Global Coverage With Local Connectivity

Distributed Core Network nodes and Local Breakout keep traffic in-country, ensuring devices connect with local performance characteristics and meet regional data residency requirements.



Reliability And Consistent Experience

Three layers of reliability: Multi-IMSI, Multi-network, and geo-redundant architecture ensures stable connectivity and a consistent operational experience across all deployments.



Simple, Centralized eSIM Management

Flolive Connectivity Management Platform (CMP) provides a single interface to monitor, provision, and manage connectivity across the entire global fleet.



Automated Global Provisioning

Automatically select the optimal IMSI based on location and network conditions.



Secure And Compliant Data Transmission

Private APNs provide a controlled, isolated network environment for transmitting payment data, reducing exposure to public networks and supporting compliance across regions.



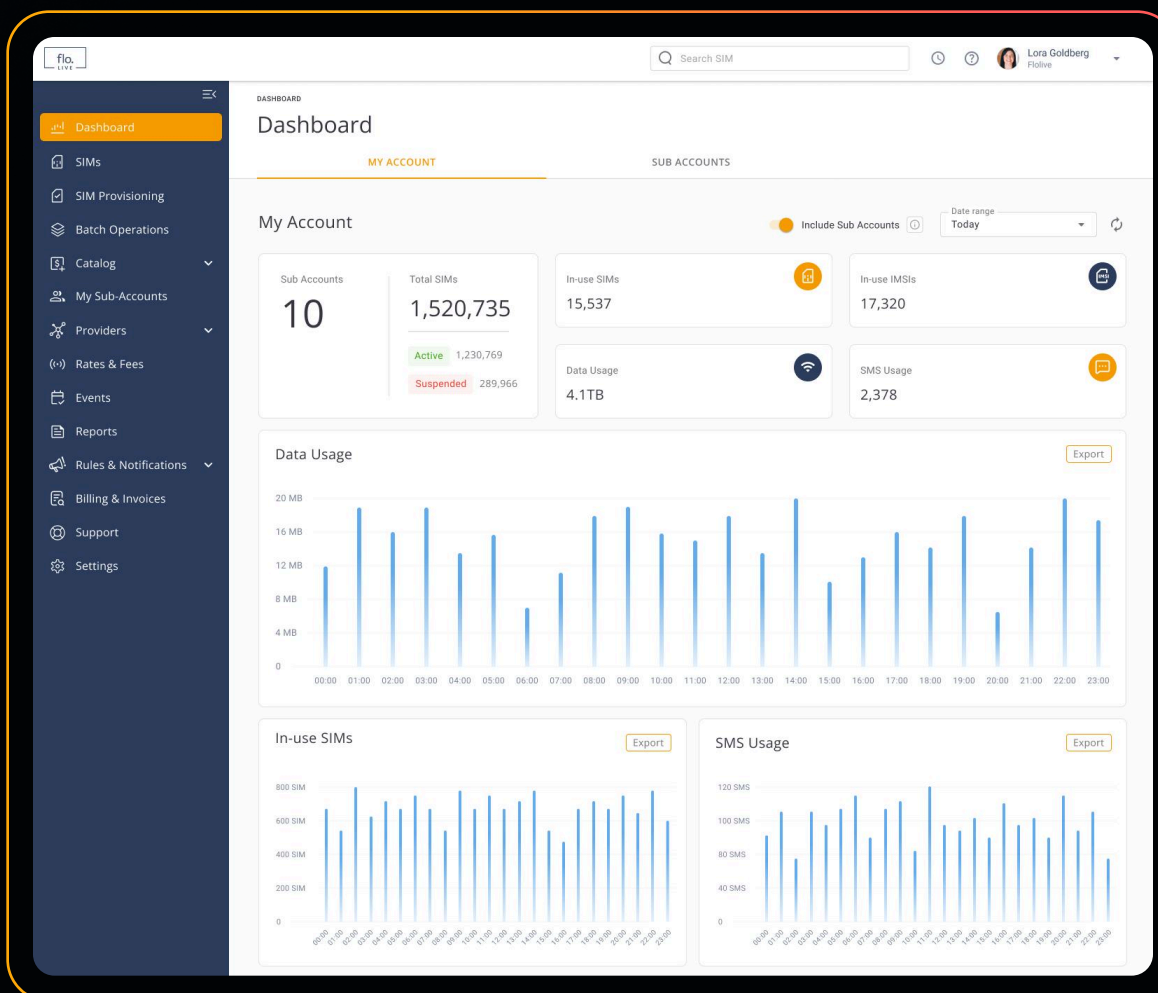
With Flolive, we get a solution that's simple to manage, reliable, and works across all the regions we deploy in. What matters for us is consistency, the same experience and performance wherever we operate.

Adam Antoniou

VP Smart Technologies

The Results

By implementing Flolive connectivity, Aeritek strengthened its connected refrigeration platform with reliable global coverage, enabling real-time intelligence, consistent performance, and scalable operations across all deployments.



Real-Time Intelligence Across Every Asset

Every unit continuously reports its status, temperature, usage, and performance, allowing teams to detect issues early, protect food safety, and reduce the need for manual intervention.

Reliable Connectivity Across All Environments

Whether deployed in gas stations, hospitals, airports, or retail locations, assets remain consistently connected without relying on local infrastructure or Wi-Fi.

Consistent Performance At Global Scale

Aeritek achieves the same connectivity experience across regions, ensuring predictable performance regardless of country, network conditions, or deployment complexity.

Built For Massive Scale

With a foundation designed for growth, Aeritek is prepared to scale from thousands to millions of connected devices while handling increasing data volumes.

High-Performance Connectivity

Low latency and optimized uplink enable fast payment processing and real-time transmission of video and telemetry, ensuring smooth AI operation and eliminating queued transactions.

Simplified Global Operations

Connectivity is managed through a single, centralized platform, reducing operational overhead and enabling more efficient deployments.



The fridge can know what's inside it. It can report its own health. It can protect food safety without technicians walking through the door. Flolive is a big part of how we're going to be able to keep that promise, global SIM management, compliance, and a consistent operational experience. That turns a great platform into a scalable business.

Adam Antoniou

VP Smart Technologies



About Flolive

Flolive operates the first and largest global, hyperlocal cellular data network of its kind, based on local POPs in dozens of locations worldwide. With the largest global connectivity library of its kind, we provide centrally managed, localized connectivity for any device, anywhere. Global means no limits on where you do business; local means low latency, high performance, and full compliance.

Our network has been designed to comply with the emergence of privacy acts, data regulations and roaming restrictions. Best of all, we provide direct access to our network, that lets you control your connectivity as if you were the carrier. Monitor your devices, access real-time network events and usage, switch operators remotely, and troubleshoot failures ahead of time, so your devices never miss a beat.

For more information, visit www.flolive.net

Let's Connect

Get in touch to discuss how we can meet your IoT requirements. We're sure to surprise you.

✉ info@flolive.net

☎ +44 20 3637 9227

📘 @floviveIoT

✂ @floLIVE7

