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A Tech Blueprint for Refrigeration Compliance Management

Win the complex, evolving state & federal compliance with proactive, tech-driven strategies for multi-site retail.

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Executive Summary

I've spent years in the trenches of retail facilities and technology, and one truth has stayed constant: grocery operations are some of the hardest environments for compliance software. These teams don't have time for clunky tools—they need refrigeration that works, food that stays safe, and compliance that doesn't keep them awake at night. Yet too often, the very systems designed to help them just add noise, forms, and fragmentation.

I've seen retailers juggle half a dozen platforms just to stay audit-ready—leak detection here, work orders there, refrigerant logs somewhere else. Instead of helping, this patchwork turns facility teams into "human middleware," re-entering data, chasing paperwork, and plugging gaps manually. With technician shortages growing and compliance rules tightening, that model simply doesn't hold.

The stakes are rising sharply. Federal rules still set the baseline, but states like California, New York, and Washington are rewriting the playbook with shorter repair windows, rolling leak-rate calculations, stricter inspection schedules and stringent reporting requirements. These mandates shift quickly, sometimes mid-year, and the penalties are brutal - millions in fines, reputational damage, and operational cost. Yet many grocers are still relying on outdated spreadsheets or legacy platforms that weren't built for this new reality.

That's why I believe compliance must move from being a "back-office burden" to a frontline capability. Success requires reframing compliance as a strategic capability —engineered into daily operations, not bolted on reactively. By unifying refrigerant data, automating state-specific workflows, and embedding intelligence into field operations, retailers can not only protect against regulatory exposure but also unlock new operational efficiencies, eliminate cost leakages, and strengthen sustainability credibility with regulators and customers. Do that, and compliance stops being a fire drill, it becomes a driver of efficiency, resilience, and brand trust.

Basant Singhatwadia

Director – Customer Innovation & Strategy, Facilio

The Evolving Refrigerant Management and Compliance Landscape

Refrigerant management and compliance today extend well beyond EPA Section 608. The Clean Air Act sets a 30-day repair baseline for significant leaks, but states including California, New York (2025 rules), and Washington have shortened the repair window to 14 days. Washington also mandates monthly inspections for large systems ≥1,500 lbs unless an Automatic Leak Detection System (ALDS) is installed, and New Jersey now requires facilities with >50 lbs of high-GWP refrigerant to register and report usage annually.

The Evolving Compliance Landscape

Federal vs State Requirements

EPA 608	California	New York	Washington
30-day repair window	14-day repair window	14-day repair window	14-day repair window
3-year record retention	5-year record retention	5-year record retention	5-year record retention
March 1 reporting deadline	March 1 reporting deadline	March 31 reporting deadline	March 15 reporting deadline

Fines upto $57,617/day per violation for Federal + $10,00/day for State

Beyond timing, states add requirements such as equipment registration/fees, rolling 12-month leak-rate reporting, and regulator notifications when thresholds are exceeded. For example, Washington's RMP requires calculating a rolling 365-day leak rate each time refrigerant is added—lbs added in the past 365 days ÷ full charge—and notifying the state within 30 days if the rate exceeds its threshold (e.g., 16% for commercial refrigeration). Many states also require ALDS on large systems and proof of annual ALDS calibration audits, expanding obligations well beyond older federal rules.

The stakes for falling behind are steep. Federal fines can reach around $57,000 per day, and California penalties alone rise to $10,000 per day. Beyond the dollars, missing a repair deadline or failing to report a high leak rate erodes brand reputation and credibility with regulators, investors, and customers. Executives such as VPs of Facilities are accountable for steering compliance strategy, while Compliance Managers, Sustainability Managers, and Energy Managers must execute under mounting pressure.

In short, a retail chain operating across multiple states faces a fast-changing, multi-jurisdictional compliance environment. Keeping up means tracking not only EPA rules but also a matrix of state-specific leak timelines, inspection frequencies, technician certification requirements, and documentation standards.

The Shortcomings and Risks of Legacy Compliance Tools

Retailers are facing a compliance environment that looks nothing like it did a decade ago. Even the baseline EPA guidelines have shifted, and many legacy compliance tools haven't been updated to reflect these changes. At best, some solutions claim to be "EPA ready," but in practice, most are stuck in outdated versions of federal rules. On top of that, the rise of state-level mandates has added a new layer of complexity that these systems were never designed to handle.

For example, a platform may still only enforce the EPA's traditional 30-day repair rule but have no logic for Washington's stricter 14-day timeline—or the allowance for a 14-day extension if the first fix fails. Similarly, California ties inspection frequency to system size, New York requires two separate verification tests within defined timeframes, and both mandate five years of record retention versus the EPA's three.

When compliance software can't capture either the updated EPA requirements or these state-specific nuances, facility teams are left plugging gaps with spreadsheets, calendars, and manual workarounds which then quickly becomes a liability when regulators ask for proof the system never tracked.

Drawing from the above scenarios and industry analyses, retail facilities teams often encounter a consistent set of compliance pain points. Below is a summary of those challenges, which highlight where typical refrigerant management software falls short:

Inaccurate and inconsistent data

Legacy systems often allow illogical entries — such as repair dates logged before detection dates, refrigerant volumes greater than a system's total charge, or service activity tied to retired equipment. Without built-in validation, these errors slip into official records unchecked, creating vulnerabilities that auditors can easily uncover.

Credential and workflow blind spots

Federal law requires only certified technicians to handle refrigerants, and states often add their own licensing rules. Yet many systems merely log a name, without validating credentials against the task. **That's how a technician with the wrong certification can end up servicing a high-charge rack. These platforms also fail to enforce critical checkpoints, such as follow-up verification tests or periodic inspections. The result: important steps are skipped, and managers are forced to chase down paperwork manually.**

Static rules in a dynamic environment

While most modern systems can handle rolling 12-month leak rate calculations, the real weakness lies in their inability to stay updated with changing regulatory requirements. **States like California, New York, and Washington frequently tighten leak timelines, inspection intervals, and reporting requirements. But most tools don't receive continuous software updates tied to these changes.** Washington's mandate for monthly inspections on large systems without ALDS, for example, caught many retailers unprepared simply because their software hadn't been updated to reflect the change. Without proactive regulatory monitoring and automated updates, retailers are forced to manually interpret new mandates and adjust workflows themselves—a process both error-prone and unsustainable at scale.

Disconnected compliance and maintenance systems

i) ALDS tracking and inspection gaps

Automatic Leak Detection Systems (ALDS) are now mandated in many states for large refrigeration racks (e.g., Washington requires ALDS on systems ≥1,500 lbs in enclosed spaces). But simply installing sensors isn't enough — regulators also require proof of annual calibration and audits, plus evidence that every alarm is investigated within 24 hours. **This is where most legacy platforms fall short: they may log refrigerant events, but they rarely have modules to capture ALDS activity. If an alarm goes off at 3 AM and a technician responds, there is often no structured place to record that response.** Calibration certificates are just as likely to be buried in email threads, shared drives, or paper folders, leaving teams scrambling during audits.

Leak inspections add another layer of complexity. Rules vary depending on whether an asset is ALDS-equipped. For example, California and Washington require monthly or quarterly inspections but allow exemptions for systems with active ALDS coverage. Outdated tools don't track which assets have ALDS installed, so inspections get scheduled indiscriminately. That means technicians either waste time on exempted racks or, more dangerously, skip inspections on units that actually require them. Compliance managers end up juggling manual schedules or relying on contractors' assurances — a fragile process where one missed inspection carries the same regulatory weight as a missed repair. Without software that both logs ALDS activity and dynamically adjusts inspection schedules, organizations are left with fragmented, ad hoc workarounds that create audit risk.

ii) Siloed refrigerant data and CMMS systems

Just as problematic is the separation of compliance systems from daily maintenance workflows. Many retailers run a CMMS for work orders while tracking refrigerant compliance in a separate database or spreadsheet. This disconnect creates gaps. **A contractor may close out a work order after repairing a leak, but unless that action flows directly into the compliance log, critical details are lost** — which component leaked, whether it was ALDS-monitored, or how much refrigerant was added. The "unrecorded leak" scenario is a textbook example: the work was completed and invoiced, but never logged in the compliance system, leaving the retailer unknowingly out of compliance.

Without integration between maintenance and compliance platforms, data must be re-entered manually, opening the door to errors, omissions, and duplicate records. Worse, compliance managers often don't realize something is missing until regulators ask for documentation that doesn't exist. A connected approach is the only way to eliminate this double entry, ensure events flow seamlessly from detection to repair to verification, and maintain a tamper-proof compliance record across the entire portfolio.

Real-world Case Studies: Where Compliance Fails in Practice

Let's consider a couple of anonymized real-world scenarios based on actual events encountered by large food retail chains to understand the stakes. These examples illustrate how easily compliance gaps can occur when using inadequate tools or processes. As you read, consider whether your current systems would catch and manage these situations.

COSTCO WHOLESALE	Costco paid **$335,000**
TRADER JOE'S	Trader Joe's was hit with **$500,000**
SAFEWAY	Safeway shelled out **$600,000**

These aren't rare cases—they're WARNINGS!

The price of refrigerant non-compliance - here's what it cost leading grocers.

Case study 1

The Multi-Stage Leak Repair Saga

The Problem Emerges

On January 5th, a significant refrigerant leak was detected in the condenser coil of a rack system at a large supermarket in Washington State. The technician attempted a repair weld and performed an initial verification test, but the test failed, and the leak persisted. As per company policy, a return visit was scheduled with a more experienced technician.

The technician's attempt failed due to inadequate repair measures, and a new repair appointment was set for January 21st.

Two Weeks Later: A Specialist Steps In

On January 21st, a specialist technician arrived to address the issue. He performed the full repair by cutting out the section of the coil, conducted a new initial verification (which passed), added 200 lbs of R-22 to replenish the lost charge, and completed a follow-up verification test, confirming that the leak had been resolved.

- New Initial Verification: **Pass**
- Refrigerant Added: **200 lbs**
- Follow-up Verification: **Pass**
- Service Status: **Under control, but compliance timing remains a concern.**

The Compliance Challenge

Washington
Requires that repairs, including verification, be completed within 14 days. A failed repair attempt allows for an automatic 14-day extension, making the new deadline January 19th.

New York
Has a similar 14-day repair requirement, but with a 45-day maximum allowable extension with proper documentation to justify exceeding the 14-day period.

Key Implication

The event is compliant only if the failed verification and the extension are properly recorded and tracked until the new compliance date.

What a Connected, Rules-Aware System Should Do

A connected system should act as the event coordinator, ensuring every step is logged accurately and compliance is met seamlessly.

1. **Unify the Event**
   - Treat everything as one continuous leak event: detection → failed verification → repair → follow-up tests.
   - Link all technicians to the same event.
2. **Apply Jurisdiction Logic & Timers**
   - Apply state rules based on the failed test and set new deadlines.
   - Alert for evidence (e.g., part on order) to justify extended timelines.
   - Surface rules for other states (e.g., New York) if needed.
3. **Capture Evidence & Accountability**
   - Record test outcomes (pass/fail, timestamps) for both verification tests.
   - Log refrigerant added and all service notes as tamper-evident entries.
   - Attach supporting documents (photos, invoices, certificates) to the event.
4. **Calculate & Compare the Right Rates**
   - Event Calculation (EPA method): 200 lbs added ÷ 1,600 lbs total = 12.5% leak rate.
   - State-Specific Calculation (WA method): 400 lbs (previous leak) + 200 lbs (current leak) ÷ 1,600 lbs total = 38% leak rate.
   - Prompt when thresholds are exceeded (e.g., WA's 16% trigger).
5. **Close the Loop & Notify**
   - Block closure until follow-up verification = Pass is recorded.
   - Auto-generate state notification tasks if thresholds are exceeded, prefilled with data.
   - Link CMMS work orders for event tracking from detection → repair → verification → documentation.

Where Legacy Tools Break

- The incident could be split into two events (January 5 and January 21), resetting the compliance clock and creating confusion.
- No field for test outcomes could lead to missed or lost verification results.
- The assumption of only one technician involved could lead to incomplete technician involvement records.
- Shallow calculations might miss the leak-rate calculations or state thresholds (e.g., WA's 38%).
- No extension logic or alerts could result in missed deadlines and state notifications.

Final Takeaway

- Multi-stage leaks are routine in large retail refrigeration. However, their handling exposes weaknesses in compliance tracking.
- Only a connected, state-aware system that links every step, tolls deadlines, and calculates rolling losses will keep operations accurate, timely, and audit-ready.
- In short: What appeared to be a simple repair became a 16-day compliance exam—and many systems would fail this today.

Case study 2

The Unseen Leak Event

The Discovery

In February, during a routine internal invoice review, the management team of a regional grocery chain, which operates in multiple states, uncovered a compliance error. They found a contractor's bill from October that included a charge for adding 400 lbs of refrigerant to a system at one of their stores.

Upon investigation, it was revealed that the leak event from October 6th had never been recorded in the refrigerant tracking system.

Date of leak detection: October 6th
Action Taken: Technician tightened a valve and added 400 lbs of refrigerant
Compliance Error: No follow-up verification test, and no log entry in the compliance system.

The team now faced the issue of backdating the data entry and ensuring the compliance metrics were updated correctly.

The Compliance Issue

By the time the issue was discovered, multiple regulatory reporting windows had passed, leading to serious compliance concerns:

California (CARB Rules)

A 400 lbs leak on a 1,600 lbs system equals a 25% annual leak rate, far exceeding the 20% threshold. This would require repair within 14 days and a verification test. The system was out of compliance due to the missed reporting window.

EPA Regulations

400 lbs of refrigerant added equals a 25% leak rate, which is above the 20% threshold for commercial refrigeration under Section 608, necessitating repairs within 30 days for ODS refrigerants.

Washington State

With a 25% 12-month leak rate, this exceeds Washington's 16% threshold, leading to a missed Ecology Department notification.

New York

The leak would have required repairs within 14 days and annual reporting, which wasn't done.

By discovering the mistake months later, the grocery chain was out of compliance with various regulations.

When Software Fails Compliance: The Hidden Risks

This scenario underscores the importance of systems that can manage out-of-order event entries. When the leak is logged in February, questions arise:

- **Recalculating Leak Rates:** Will the system automatically recalculate leak rates for the correct reporting periods, like Q4 of the previous year or rolling 365 days?
- **Missed Verification Test:** Will the system flag that a follow-up verification test was never performed?
- **Impact on Future Calculations:** Will the system adjust future rolling average leak rates, considering that the missing 400 lbs would impact future readings?

A robust platform would allow the actual occurrence date to be entered, recalculate the relevant leak rates, and highlight missed follow-up actions, prompting immediate corrective measures (e.g., inspections).

In contrast, less capable systems might log the event as a new entry in February, with the incorrect date, and fail to integrate it into past calculations.

The Larger Implications

This situation is not unique. Many compliance failures happen due to delays in data entry, contractor reporting issues, or even because events are thought to be too minor to record (which is in itself a compliance mistake).

When leaks are not tracked, they lead to:

- **Skewed Refrigerant Inventory:** Unlogged leaks can mess up refrigerant inventory tallies.
- **Chronic Leak Rate Violations:** If missed, they may contribute to ongoing violations that go unnoticed.
- **Compliance Time Bombs:** Each untracked leak can trigger an unexpected compliance issue later.

In this case, the grocery chain was fortunate to uncover the mistake during an invoice audit. However, it highlights the risk of relying on disconnected, manual processes.

Final Takeaway

- Multi-visit leak repairs, missed verification tests, and data entry oversights are not rare occurrences in retail portfolios.
- A connected system that tracks every step, from detection to verification, helps prevent these issues from becoming compliance headaches.
- Without a solid platform in place, operational leaders risk facing surprise non-compliance issues that could have been avoided.

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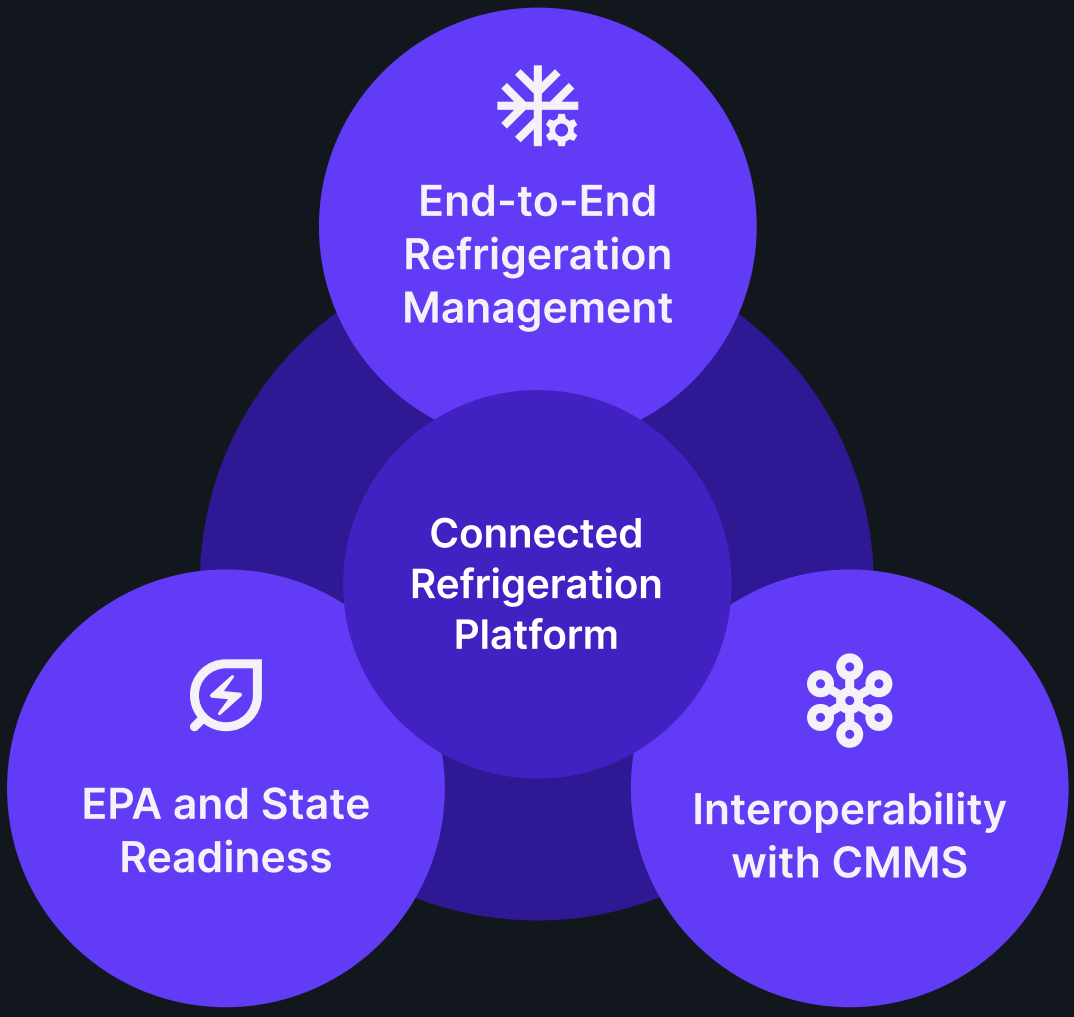
Connected Refrigeration Approach

A Unified Compliance Operating System for Multi-Site Grocers



Most retail chains still manage refrigerants with fractured tools—Excel logs, standalone leak trackers, and alarm panels that don't talk to the CMMS—creating audit risk, duplicated effort, and gaps no one sees until an inspector does. **Connected refrigeration is the approach that treats refrigeration compliance as a unified, portfolio-wide operating system:** a single platform where leak signals, repair lifecycles, credentials, and audit evidence live together, update together, and are governed by the same rulebook.

Leak signals (including ALD alarms) and telemetry flow into a remote-monitoring layer; the system automatically triages events, opens work in the CMMS, and links detection → repair → verification → documentation as a single narrative. **Regulations are encoded as rules in software, so EPA and state timelines, proofs, and notifications are enforced by the platform—not left to memory or spreadsheets.**

The result is a holistic, portfolio-scale operating model: proactive detection, end-to-end refrigerant management, embedded audit tracking, and seamless interoperability with existing refrigeration systems and optimization tools. The platform evolves continuously with changing EPA and state regulations, powered by low-code/no-code configurations that make adapting workflows effortless. Built-in configurable reporting ensures retailers can generate regulator-ready, portfolio-specific views in a few clicks—keeping compliance programs agile, audit-ready, and scalable without adding operational chaos. Here's how the connected refrigeration approach translates from principle to practice across a multi-site portfolio:

End-to-end refrigeration management

Connected refrigeration is a program model, not a point tool. It unifies refrigerant management across sites into a single operating backbone: leak signals (including ALD), event lifecycles, and audit evidence all live in one tamper-evident, portfolio-wide record. The platform integrates seamlessly with your CMMS through open APIs or operates with CMMS capabilities as part of its core design, ensuring work orders, tasks, and compliance actions flow automatically without manual intervention. The result is audit-readiness by design—multi-event leaks are tracked as a single narrative, ALD alarms automatically trigger work execution with proof attached, and compliance no longer depends on spreadsheets, disconnected tools, or tribal memory.

EPA and state readiness

In a landscape where state rules shift faster than annual budgeting cycles, **connected refrigeration encodes regulations as a living layer—central templates and workflows update when laws change, so stores don't.** Reports are regulator-ready out of the box (EPA + state), with validations that prevent bad data at entry and a clear change log for auditors. Compliance moves from manual chase-and-check to a centrally updated, standards-driven practice that scales across hundreds of locations.

Interoperability with CMMS and remote monitoring solutions

The approach is hardware-agnostic and system-aware: it integrates with existing controllers, sensors, and remote monitoring while closing the loop with CMMS so alarms become prioritized work, not noise. By dissolving silos between telemetry, leak events, and maintenance, connected refrigeration delivers one source of truth without mandatory CAPEX—and enables rapid, fleet-wide rollouts instead of store-by-store projects that stall. That's how you replace fractured tools with a single operating model that reduces downtime, shrink, and audit risk in one motion.

Key Modules in Architecting a Connected Refrigeration Platform

Connected refrigeration approach sets the operating model; the platform makes it real at portfolio scale. To move from principle to practice, **you need a unified system that ingests leak signals (including ALD), normalizes BMS/telemetry, and turns them into orchestrated work—automatically, through your CMMS**—while encoding EPA and state rules as policy in software. **The foundation must be vendor-neutral and cloud-based so it fits your existing controls and monitoring, updates continuously as regulations change, and preserves a tamper-evident audit trail that leadership can trust.** Just as important, it should collapse spreadsheets and point tools into one data model, linking detection → repair → verification → documentation across every store.

The following modules are the non-negotiables that convert a connected approach into measurable outcomes—fewer violations, lower energy waste, and a compliance program that scales without chaos.

1. Refrigerant usage tracking

This module provides full visibility into refrigerant throughout its lifecycle—capturing every pound stored, recycled, or destroyed. A robust usage tracking system not only records quantities but also where refrigerant is used across sites and equipment types. It logs routine leak inspection dates and outcomes, documents how leaks were resolved, and tracks follow-up actions. **By aggregating data site-wide or down to specific assets, it enables accurate leak-rate calculations and ensures you're always audit-ready with report generation at a moment's notice.**

2. Complete compliance audit trails

A connected refrigeration platform must capture every compliance action in one consolidated history, ensuring nothing is lost between temporary fixes and permanent repairs. Instead of fragmenting events across spreadsheets, invoices, or work orders, **an audit trail module ties everything together under a single leak event—from the first detection through follow-up tests and closure.** This means a regulator can instantly see what was done, when, and by whom, without managers piecing together records manually. By digitizing inspection data and centralizing records, the platform ensures end-to-end traceability, reduces audit prep time, and makes regulatory reviews faster and more reliable. In practice, it transforms compliance from a paperwork burden into a streamlined, tamper-proof log that teams can trust.

3. State specific compliance rule engine

The rule engine module automatically adapts to both federal and state mandates, removing the need for spreadsheets or manual tracking. It applies jurisdiction-specific requirements—such as New York's 14-day repair rule or California's March 1 reporting deadline—and issues alerts before deadlines are missed. Beyond timelines, it also validates recordkeeping standards, like California's five-year retention requirement versus the EPA's three, so operators don't have to track these variations manually. By encoding evolving rules into workflows, the system ensures inspections, reports, and documentation are always compliant, while eliminating paperwork and reducing the risk of human error.

4. Easy form digitization

Retail operations still rely heavily on paper forms and spreadsheets, making compliance tracking slow and error prone. With form digitization, handwritten service records and inspection checklists can be scanned and instantly converted into structured digital documents. This eliminates manual entry, reduces the risk of lost paperwork, and ensures all compliance data is accessible in one system. **By turning paper-heavy workflows into searchable, centralized records, operators save time and strengthen audit readiness.**

5. Flexible leak rate calculator

Leak rates can be calculated in multiple ways—per event, calendar year, or rolling 12-month basis—depending on federal and state mandates. **A flexible calculation module automatically applies the right method for each jurisdiction, ensuring consistency and compliance.** By integrating sensor data and monitoring anomalies in real time, it updates leak rates dynamically and alerts teams when thresholds are approached. This reduces manual math errors, helps avoid missed notifications, and provides a clear, accurate picture of refrigerant loss across the portfolio.

6. ALDS compliance and preventive maintenance

Modern compliance platforms don't just record leak events—they also manage the systems designed to prevent them. This includes tracking Automatic Leak Detection Systems (ALDS) by registering installations, logging calibration and audit dates, and scheduling the next required calibration with certificates attached for proof. **When an ALDS alarm triggers, the system can generate a ticket automatically and require follow-up inspection within 24 hours, as regulations demand.** It also recognizes which assets have ALDS coverage and adjusts inspection schedules accordingly—for example, a Washington rack exempted from monthly checks because it is ALDS-equipped. By embedding these features, the platform ensures preventive measures are enforced, inspections are never missed, and every ALDS activity—from calibration to alarm response—is fully documented for audit readiness.

7. Built-in data validation

Modern compliance platforms enforce built-in validations that block illogical or impossible entries before they're saved. This means errors like recording a repair date before a leak was detected, logging refrigerant recovery above a system's full charge, or assigning work to retired equipment are automatically flagged. **By cutting off these mistakes at the point of entry, the system ensures compliance records remain accurate and audit-ready, eliminating the risk of human oversights that regulators can quickly catch.**

8. Automated technician eligibility checks

Compliance platforms can eliminate the manual burden of verifying technician eligibility by embedding certification validation directly into workflows. Each technician's credentials, such as EPA 608 certification levels and expiration dates, are stored within the system and checked automatically against the task at hand. If an uncertified or out-of-date technician attempts to log a refrigerant service, the platform can flag or block the assignment before work begins. This ensures only qualified personnel handle regulated equipment, reducing audit risks and closing a critical compliance gap without relying on manual oversight.

9. Centralized compliance reporting

Compiling reports is often one of the most time-consuming parts of compliance, but modern platforms make it seamless by centralizing all refrigerant-related activities in a single database. This enables instant generation of regulation-ready reports such as EPA Section 608 filings, CARB annual submissions, or Washington's Ecology report. Historical records are retained far beyond minimum requirements, making it easy to pull a complete leak history or service log for any asset, down to a specific freezer case. With technician certifications, purchase records, and ALDS calibration documents stored alongside leak data, every compliance event is logged, searchable, and audit-ready without the scramble.

In summary, **the connected refrigeration platform becomes the single source of truth for refrigerant data - centralized, automated, and intelligently guided.** It ensures refrigerant data, inspections, technician checks, and reports flow seamlessly, keeping every site audit-ready and future-proof without manual intervention.

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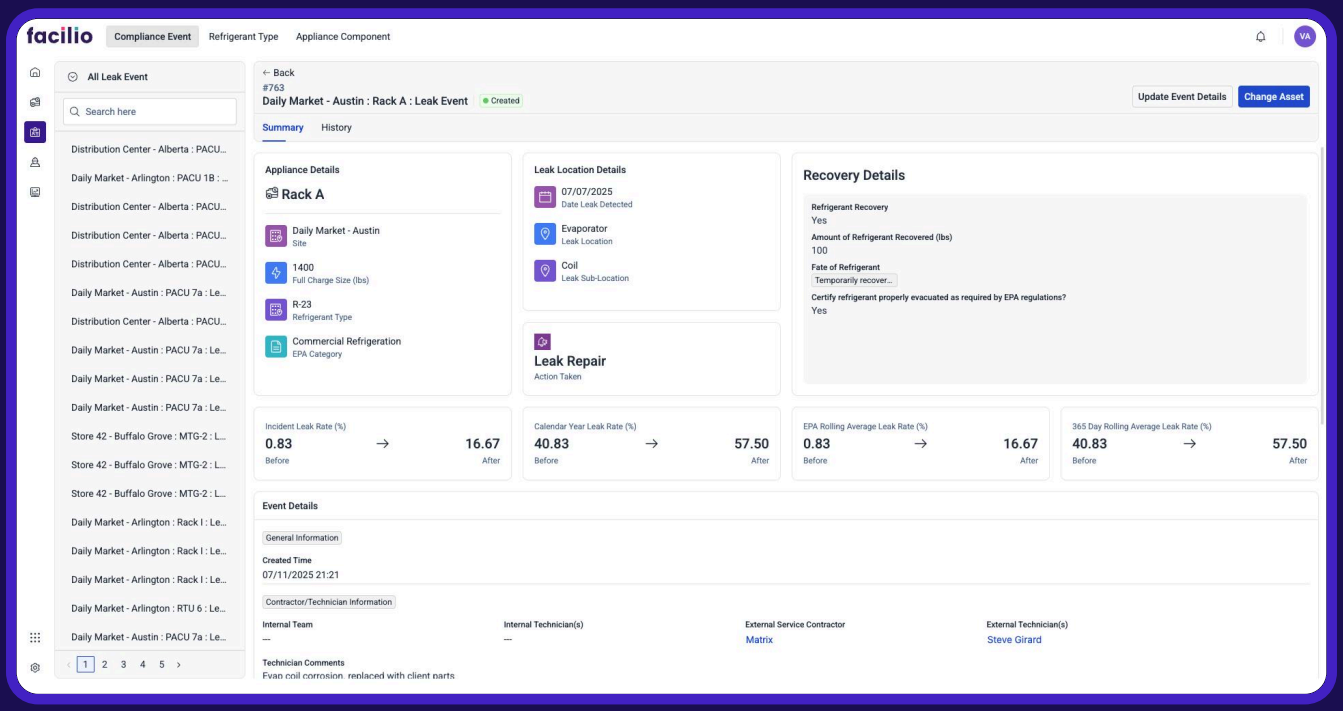
Connected Refrigeration Platform



Facilio's Connected Refrigeration Platform is built as the single source of truth for Refrigerant management and compliance and retail operations. Designed as a vendor-neutral, cloud-based system, it unifies leak detection, technician checks, asset profiles, audit records, and reporting into one connected ecosystem. Every refrigerant-related event—whether a leak, repair, inspection, or calibration—is captured, tracked, and stored with a tamper-evident audit trail that leadership can trust. The platform eliminates the fragmentation of spreadsheets and point tools, linking detection → repair → verification → documentation across every site

What makes Facilio distinct is how its architecture mirrors the connected refrigeration approach in practice. The platform ingests leak signals (including ALDS alarms), normalizes BMS and sensor data, and turns them into orchestrated work orders through the CMMS—all while encoding federal and state rules directly into workflows. Key modules such as refrigerant usage tracking, state-specific compliance rule engines, ALDS calibration management, flexible leak-rate calculators, built-in data validation, and technician certification checks ensure compliance is continuously enforced, not manually chased. Even paper-heavy workflows are digitized using OCR-based scanning, converting service records, inspection checklists, and other handwritten forms into structured, searchable data—making compliance reporting faster, cleaner, and far more reliable.

For retailers, this means compliance becomes scalable, predictable, and proactive rather than reactive. Reports for EPA Section 608, CARB, or Washington Ecology can be generated in a few clicks, while portfolio-wide dashboards highlight risks before they escalate into violations. From reducing audit prep time to preventing uncertified technicians from handling refrigerant, the platform closes compliance gaps that traditional tools often miss. In practice, Facilio transforms Refrigerant management and compliance from a labor-intensive burden into an automated, intelligent program that helps retailers minimize violations, cut energy waste, and operate with confidence in a shifting regulatory landscape.

Implementing End-to-End Refrigerant Management and Compliance at HelloFresh

When global meal kit leader **HelloFresh** expanded its North American operations, it faced a common but costly problem: Refrigerant management and compliance complexity across multiple sites and jurisdictions. With rapid growth, the team needed a way to **eliminate manual tracking, cut down compliance prep time, and keep pace with evolving EPA and state-specific mandates.**

Facilio deployed its **Connected Refrigerant management and compliance** solution across HelloFresh's facilities, real-time monitoring, and a configurable rules engine tailored to each site's compliance requirements.

Key implementations

State + federal rules engine

Ensured every site received jurisdiction-specific compliance prompts.

Automated reporting

Enabled on-demand generation of EPA and state-specific reports without external agencies.

Portfolio dashboards

Delivered instant visibility into compliance status across all sites.

Impact

HelloFresh moved from reactive, spreadsheet-driven compliance to **continuous readiness**, eliminating the last-minute scramble before audits and significantly reducing compliance administration time.

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See how compliance becomes intelligent, automated, and audit-ready at scale.

Book a Demo

GDPR AICPA SOC VPAT Compliance

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