Refrigerant Compliance and Automated Leak Detection Software
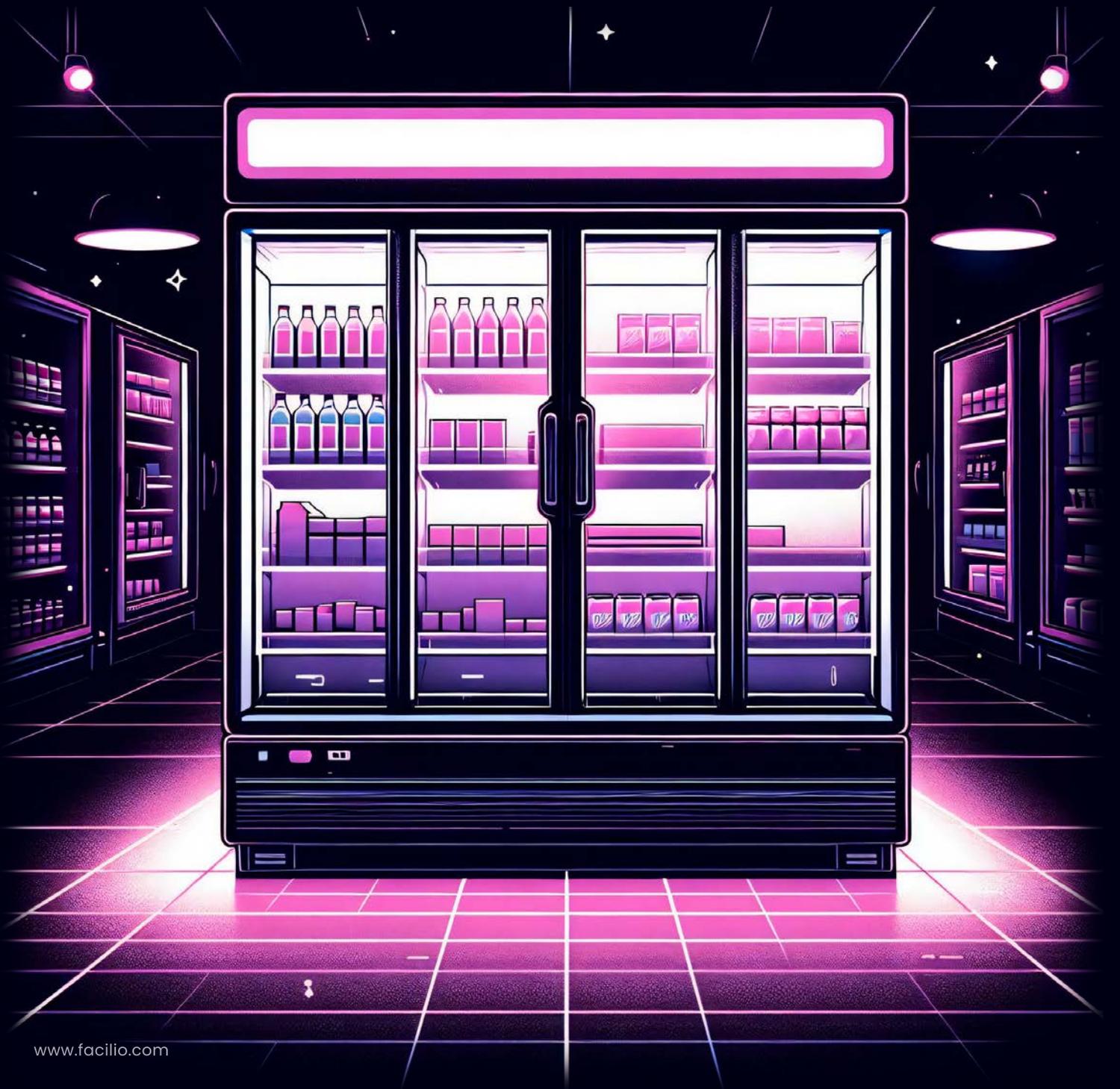
608 Compliance

EPA Section 608 establishes critical guidelines for refrigerant management, covering record-keeping, leak rate assessments, repair timelines, and equipment retirement. Compliance is crucial, with penalties as high as $335,000 for failing to repair leaks, highlighting the importance of proactive processes and technology in place to meet these regulations.

AIM Act and focus on Part III

Under the Technology Transition Rule, compliance mandates now require the adoption of Automatic Leak Detection Systems (ALDs) for specific new and used appliances. This reflects a pivotal shift towards advanced technologies, emphasizing that food retailers embrace innovation and proactively meet sustainability objectives and regulatory requirements.

Source: EPA/Green Chill

Facilio's Retail Refrigerant Lifecycle Management Solution

Empower your organization with Facilio's all-in-one platform for retail-focused refrigerant lifecycle management. With Facilio, you can confidently close the loop by managing compliance workflows, reporting based on government standards, and automating leak detection and resolution processes—ensuring your organization is future-proofed against regulatory concerns.

Avoid fines up to $57,617 per violation with proactive compliance.
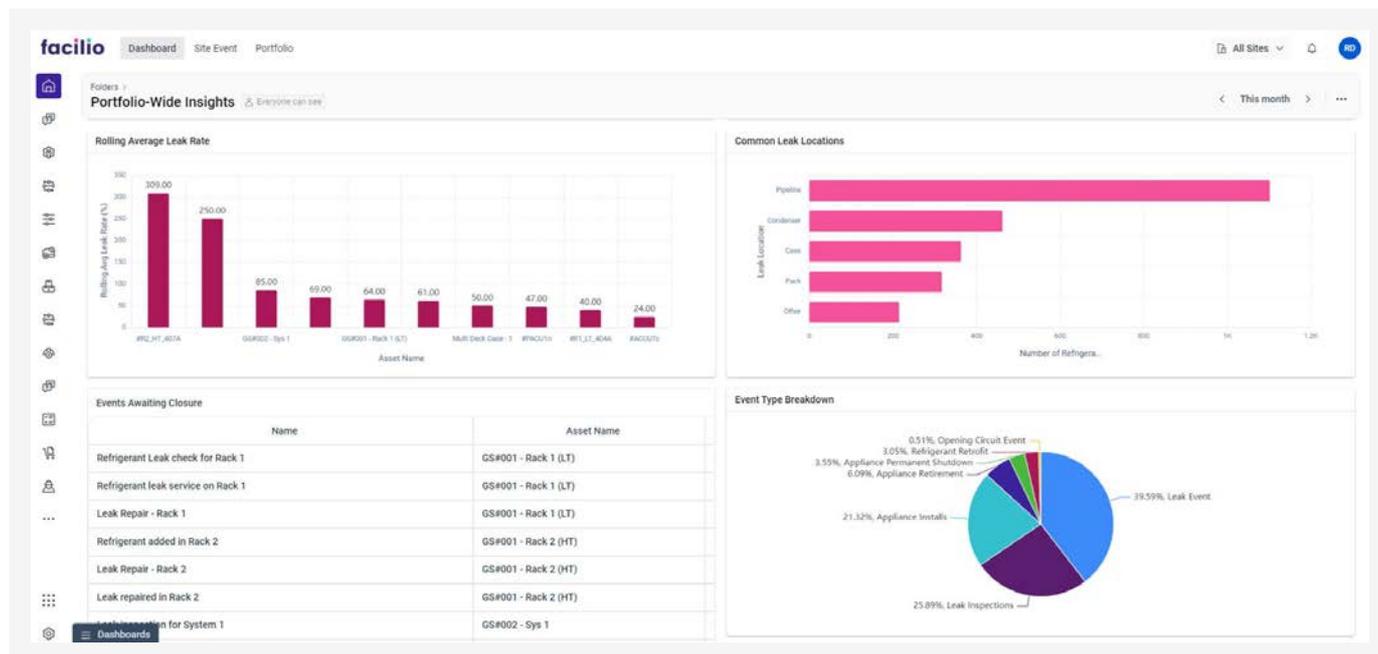
Upto 10% reduction in annual leak rate

10-15% reduction in service calls

Holistic Refrigerant Compliance & Leak Detection Management

All-in-one platform streamlines compliance, leak detection, and resolution.

Real-time audit-ready reporting to facilitate informed decision-making.

User-friendly native mobile apps suited for easy adoption.

Seamless integration with industry standards like CARB, GreenChill, and ESG.

Low code/No-code platform to automate processes for evolving needs.

Market ready to handle regulations and tasks for contractors, staff, and stakeholders.

Develop a Holistic Refrigeration Program with a Unified Process and Technology

Lower shrink and reduce unforeseen revenue loss

Derisk organization from hefty fines

Futureproof your brand and advocate sustainability

Compliance Management & Process Automation:

Enable proactive compliance measures by automating leak event workflows across multiple contractors and locations. This streamlines the process of identifying, reporting, and addressing leaks, minimizing the risk of non-compliance and associated fines.
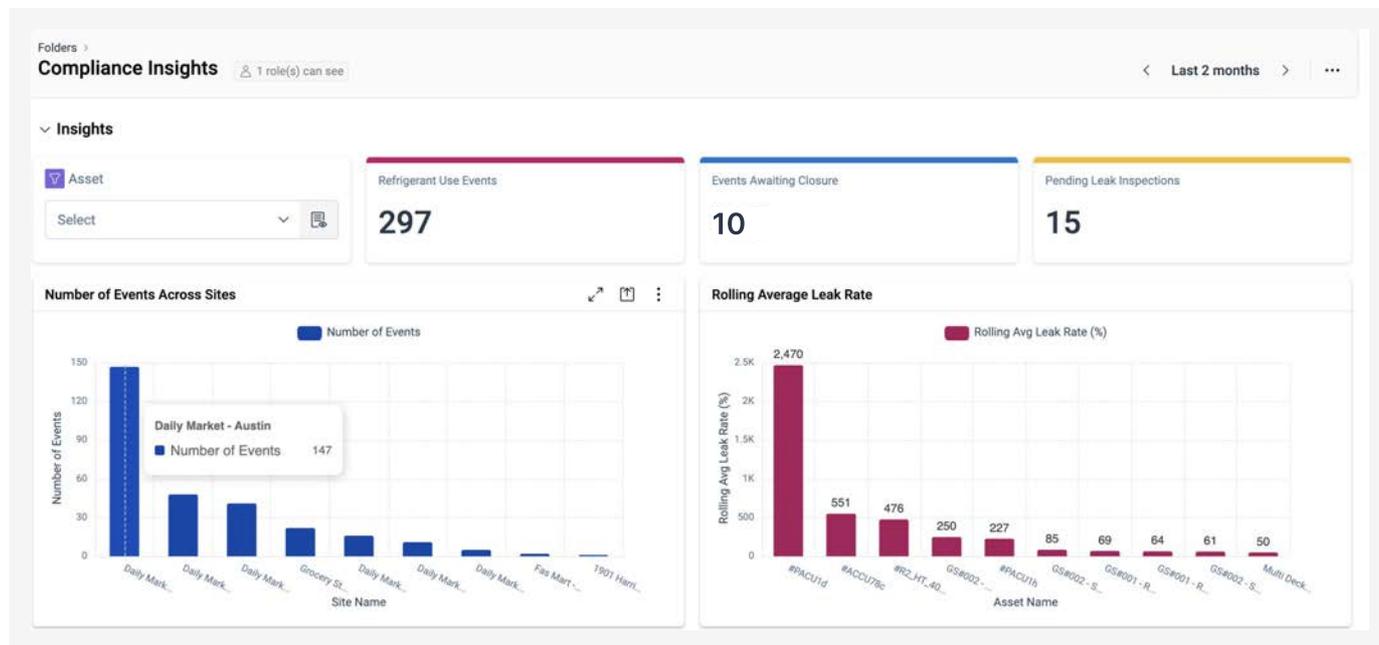
Digitized Compliance Tracking:

Easily manage record-keeping with Facilio's web and mobile app-based tracking, covering planned inspections, rounds, refrigerant inventory, material history, and pricing, all aligned with EPA 608/Greenchill, CARB, and state regulations for grocery stores.

Actionable, Audit-ready Reports:

Provide automated, audit-ready reports, including insights on sites and assets with maximum leak rates, rolling average leak rates, precise leak locations, and event breakdowns, ensuring compliance and proactive maintenance in just a glance.

System Integrity Check:

Ensure proactive monitoring and compliance with regulatory requirements by scheduling and tracking critical maintenance tasks, such as leak inspections, at predefined intervals to prevent chronic leaks and ensure timely interventions to maintain system integrity and compliance.

Automated + Holistic Leak Detection:

Real-time analysis and alerts to swiftly identify and mitigate potential leaks, ensuring operational continuity and sustainability.

Integration with Existing Hardware:

Seamlessly integrate Facilio with existing controllers, ultrasonic-based leak detectors, and sensors —allowing for real-time monitoring and centralized management of leak alarms, enabling proactive leak detection.

Normalization and Alarm Triaging:

Apply alarm filtering rules based on severity and equipment category, utilize smart correlation, delay rules, and flag refrigerant leak events for efficient handling.

Automated Workorder & Process Lifecycle:

Automate specific leak event types to work orders based on store or bureau management, and contracted field staff, and digitize approvals and workflows—across multiple locations.

AI & Telemetry-Based Early Leak Detection:

Prevent product shrink and unwarranted loss of sales with Facilio's advanced AI-driven Fault Detection and Diagnosis (FDD) to forecast leaks using telemetry data and rules-based analytics.
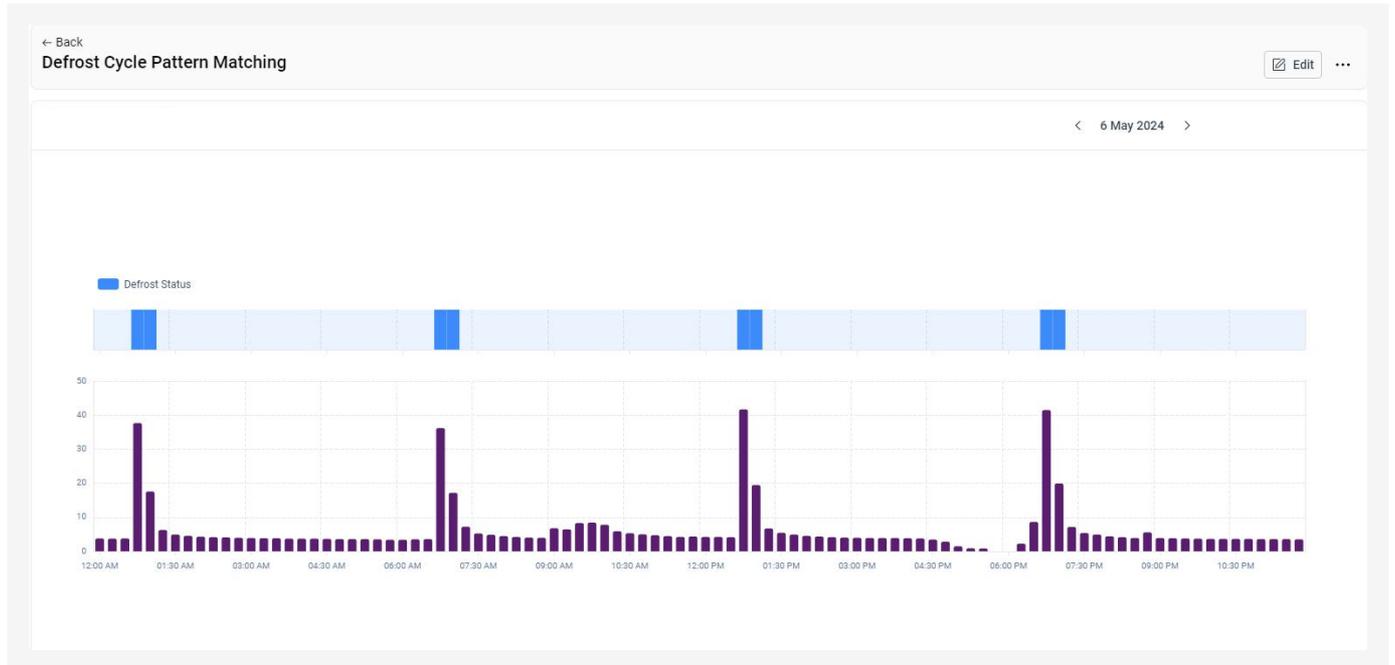
Advanced Fault Detection & Diagnostics:

Predictive methods to detect leak events leveraging pre-configured rules and conditions to assess leading indicators of refrigeration system health and prevent refrigerant loss.

Rule-based AI Engine for Leak Forecasting:

Analyze temperature and case/rack level faults and alarms, conduct root cause analysis, initiate automated work orders, and manage corrective workflows.

Auto-assign Repair Workflows with Designated Contractors:

Automatically assign repair workflows to designated contractors, digitizing the process of inspection, repair, installation, refrigerant addition/removal, and verification. This creates a seamless digitized process from detection to resolution and automates compliance across all stages of refrigerant management.

Success Story

300+

Sites

Grocery, Supermarket, and Convenience store categories in the US are now compliant with the latest regulations with Facilio's Retail Refrigerant Lifecycle Management.

Derisk Your Refrigeration Operations and Stay Ahead of Regulatory Challenges with Facilio

Learn more