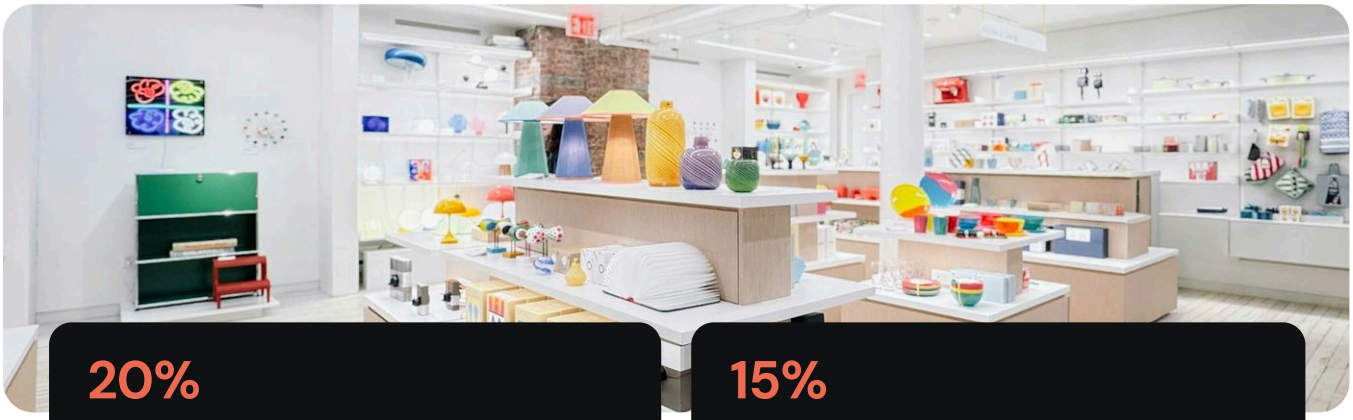
Retail & E-commerce | Global

A nationwide retail chain cut energy costs by 20% across its stores

A nationwide retail chain brought store assets, preventive maintenance, energy readings and sensors into one system, and cut operational costs by 15%.



20%
lower energy costs chain-wide

15%
lower overall operational costs

AT A GLANCE

INDUSTRY
Retail

SIZE
Nationwide chain

LOCATIONS
Numerous stores

FOCUS
Facility and energy costs

FEATURES USED
Energy | Connected | Maintenance | Insight

01 The client

The client is a nationwide retail chain with stores in numerous locations.

Each store runs heating, cooling, lighting and other equipment that shoppers depend on. Facility costs were high, and how well a store was maintained varied from one location to the next, which affected the shopping experience.

02 The challenge

Facility costs were rising across the chain, driven by energy use and uneven maintenance. Without good data, managers could not see where the money was going.

- Energy consumption across stores was inefficient.
- Maintenance practices differed from store to store.
- Store assets were poorly recorded and managed.
- Decisions lacked analytics and reporting.
- These problems raised costs and affected the shopping experience.

03 What they set up in Asset Infinity

The chain moved its store assets, maintenance and energy data into Asset Infinity and added sensors that watch conditions in each store.

Energy

Energy by store

Utility meters and readings are recorded for every store, so energy consumption and cost can be compared by site and over time.

Connected

Sensors in the stores

IoT sensors watch temperature and lighting conditions, and raise a work order when a reading crosses its limit.

Maintenance

Preventive maintenance by schedule

Plans by date or runtime create work orders for HVAC, lighting and other equipment before it breaks down.

Insight

Automatic reports

Scheduled reports on energy use, maintenance costs and other measures go to managers without anyone compiling them.

04 How it works day to day

Here is how store facilities are now run across the chain.

SYSTEM	**Records energy readings** Meter readings for each store are recorded against that site, building a record of consumption and cost.
SYSTEM	**Flags a reading out of range** When a store's temperature or lighting sensor crosses its limit, a work order is raised for that store and asset.
SYSTEM	**Schedules preventive work** Preventive plans create work orders for heating, cooling and lighting equipment when service is due.
TECHNICIAN	**Does the work** The technician receives the job on the mobile app, records what was done and closes it, adding to the asset's history.
FACILITIES MANAGER	**Compares stores** Dashboards show energy cost and maintenance spend by store, so outliers stand out.
HEAD OFFICE	**Receives scheduled reports** Reports on energy, maintenance costs and other measures arrive on schedule to support decisions.

05 Before and after

	BEFORE	WITH ASSET INFINITY
Energy use	Inefficient, not tracked by store	Readings and cost by store
Store conditions	No live view	Sensors raise work when out of limits
Maintenance	Inconsistent between stores	Preventive plans for the whole chain
Asset records	Poorly managed	One central register
Reporting	Little data for decisions	Automatic scheduled reports

06 How it rolled out

1

Store assets recorded. Each store's equipment was set up in one central asset register.

2

Sensors and meters connected. IoT sensors and energy readings were linked to the stores and assets they cover.

3

Plans and reports configured. Preventive plans and scheduled reports were set up for the whole chain.

07 The results

- Heating, cooling and lighting schedules were adjusted to actual usage patterns.
- Less downtime of critical equipment through preventive maintenance.
- Longer asset life as equipment is serviced before it fails.
- Consistent maintenance practices across every store.

08 Why it worked

Energy and maintenance together

Seeing energy use next to equipment and its maintenance shows where costs come from and what to fix.

Sensors that create work

A reading out of range becomes a job for a technician, so problems are acted on, not just noticed.

One standard for every store

The same plans and reports apply chain-wide, so every store is maintained the same way.

09 Looking ahead

By putting store assets, maintenance and energy data in one place, the chain cut energy costs by 20% and overall operational costs by 15%.

The chain plans to use more of its data to plan store operations around peak hours, building on the energy and maintenance records it now keeps for every location.

See it on your own assets

A 30-minute demo, set up for a multi-store retailer.

The client's name is withheld for confidentiality. Results are as reported by the client.

Book a demo

Start a 14-day free trial