

the specialist that looks after your cold chain — and alerts you **before** you lose your client's product, 24/7.

AstreaIoT watches your cold rooms, your compressor bank, your docks and even your units in transit —every 5 minutes—, **alerts you before the cold chain breaks** and builds the continuous log your client and your insurer require. Your **money**, your **control** and your **compliance**, without hiring anyone else.

WE DON'T JUST MEASURE A specialist **crosses the compressor current with the cold-room temperature**: it tells a dirty condenser —a routine cleaning— from the failure that costs you the whole cold room, weeks ahead. Over WhatsApp.

THREE THINGS IT LOOKS AFTER FOR YOU

● MONEY

you don't lose third-party product

A freezer chamber holds **\$120–250K in product that can't be re-frozen**. An overnight failure destroys it before the night watchman notices. We catch it first — and isolate the inefficient compressor inflating your CFE bill.

a single cold room you don't lose pays for the year.

● CONTROL

you know what to attend to first

Every cold room, compressor and dock on one panel. And what no one else gives you: your **product's temperature in transit, with GPS** — the report that protects you in every dispute.

from the overnight scare, to control.

● COMPLIANCE

the continuous log, ready

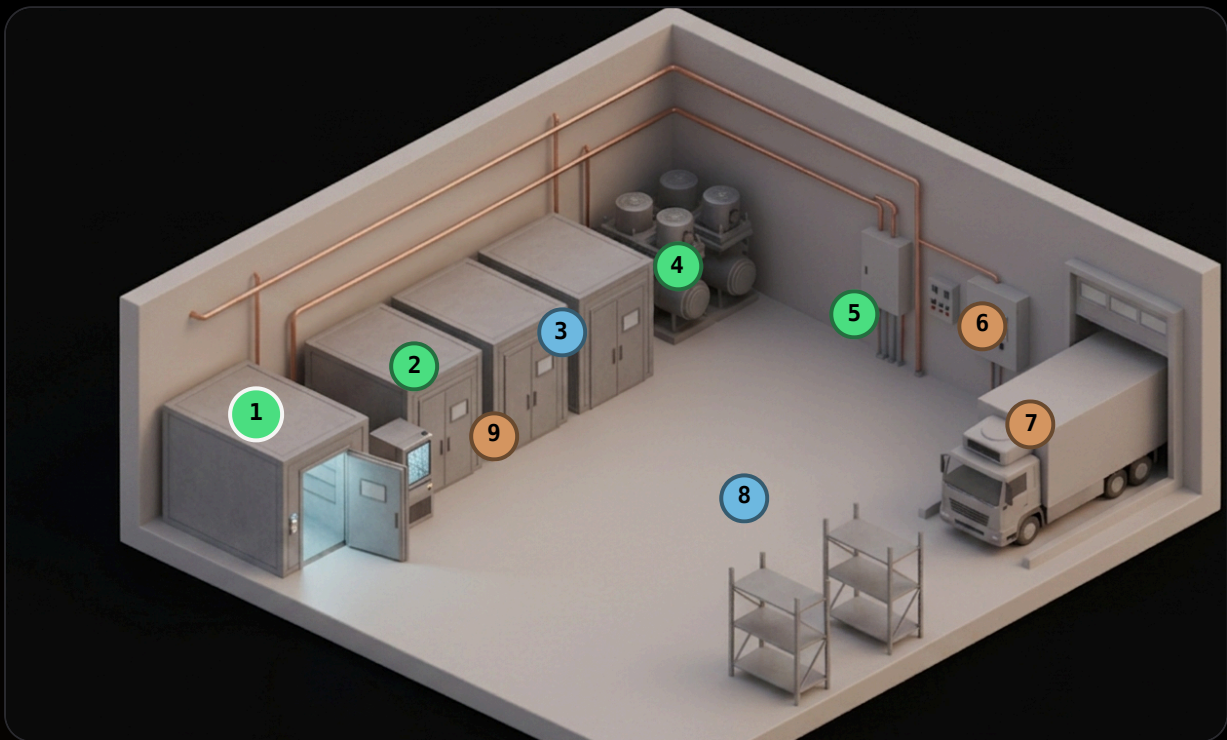
Continuous logging per cold room and per unit, no gaps, time-stamped. The **evidence your client, your insurer and HACCP require** — without building it by hand.

we don't audit: we hand you the proof, with your name on it.

this is how we look after your cold chain, **from cold room to truck.**

Each number is a point where a wireless sensor works for you — and the specialist tells you what to do. **You install only the ones that apply to your warehouse.** The color says what each one protects:

● **money** — you stop losing ● **control** — you know what to do ● **compliance** — the proof ready



- 1 freezer chamber ★**
we alert you to the dirty condenser —a cleaning— before the failure that costs the whole cold room
- 2 refrigerated cold rooms**
we cross door × temperature: "room 4 open since 2:23am, product at risk"
- 3 pharma ultra-cold (-80°C)**
we alert you in seconds and build the log your pharmaceutical contract requires
- 4 compressor bank**
the current signature that isolates the compressor inflating your CFE bill
- 5 panel · power factor**
we detect the CFE penalty before it lands on the bill
- 6 receiving dock**
we log the temperature on receipt — you have the evidence to reject out-of-range product
- 7 transport in transit**
GPS + temperature on every trip — the report that protects you in disputes
- 8 picking area (air)**
we detect refrigerant leaks and look after the work environment (NOM-015 STPS)
- 9 water leak**
water + electricity — we alert you before the short circuit

★ **the specialist learns and crosses signals.** In your **cold rooms (1, 2)** it crosses compressor current × door × temperature: it ignores the scheduled defrost and only alerts the real failure (" -14°C and rising, not recovering"). That same **current (4)** betrays the dirty condenser weeks ahead — and it all feeds your **continuous cold-chain log.**

THE RETURN

a single cold room you don't lose usually pays for the whole year.

\$120–250K per cold room

what a freezer chamber holds — **third-party product that can't be re-frozen**

for every \$1 you invest

you protect **product, CFE energy** and your client relationship

- **MONEY** cold protected — product that isn't discarded + the inefficient compressor you stop paying for
- **CONTROL** you know what to attend to and you see your product in transit — fewer overnight scares
- **COMPLIANCE** the continuous log your client, your insurer and HACCP require — no gaps

WHY IT WORKS

The system **learns each cold room's cycle** in the first week: the scheduled defrost rises 8-15°C and returns (no alert); a real failure rises and **doesn't return** (critical alert). It's not a fixed threshold: it's your own equipment's pattern — that's why it cuts false alarms and the operator actually responds.

WHY ASTREA IOT

We tell you what to do, not just data.

Clear priority and a specialist's read — not a dashboard you have to decode.

It crosses compressor x door x temperature.

Tells the normal defrost from the real failure — without false alarms.

You see your product in transit.

GPS + temperature on every trip, with an automatic report on arrival.

WhatsApp alerts.

No new apps — to the operations lead's phone.

ready to **not lose** another cold room?

Start with **one warehouse**: a no-commitment pilot — you see the numbers in your own operation before scaling to the whole network.

Book your pilot or request a quote — no commitment.

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