

the specialist that looks after your critical cold chain — **blood, medicine and samples** — 24/7.

AstreaIoT watches your blood bank, your pharmacy, your laboratory, your biohazard waste and your backup power —every 5 minutes—, **alerts you before you lose the irreplaceable** and builds the logs COFEPRIS, NOM-253 and NOM-087 require. Your **money**, your **control** and your **compliance**, without hiring anyone else.

WE DON'T JUST MEASURE A specialist **learns the cycle** of each unit and, in a power cut, tells you whether the generator started —because in a hospital it **can't not start**—. Over WhatsApp.

THREE THINGS IT LOOKS AFTER FOR YOU

● MONEY

you don't lose the irreplaceable

A blood bag, a vial of biologic, a batch of reagents — **they all live in cold**, and all are lost to an overnight failure. We catch it in time, not the next morning.

a single unit of blood you don't lose justifies it.

● CONTROL

you know what to attend to first, across the whole hospital

Blood bank, pharmacy, laboratory, sterilization and power on one panel. And the critical thing in a power cut: **we tell you whether the generator started.**

from overnight chaos, to control.

● COMPLIANCE

ready for every inspection

Continuous per-unit logging, no gaps. The **COFEPRIS, NOM-253** (blood) and **NOM-087** (RPBI) logs, ready — without building them by hand.

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

this is how we look after your hospital, **from the inside.**

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 hospital.** The color says what each one protects:

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



- 1 blood bank ★**
we alert you to the failure before you lose a bag of blood
- 2 hospital pharmacy**
we alert you if a refrigerator fails, before you discard vaccines and medicine
- 3 laboratory**
we detect the cold failure before you discard reagents and samples
- 4 biohazard waste (RPBI) store**
we log the waste temperature for your NOM-087 record
- 5 emergency generator**
we tell you if the generator did NOT start in the power cut
- 6 electrical room**
we detect panel overheating before the fire
- 7 sterilization (CEYE)**
we validate each autoclave cycle —temperature and pressure—

★ **the specialist never rests.** In the **blood bank (1)** it crosses door x temperature and watches the platelet agitator; it learns each unit's cycle (ignores the defrost, alerts the real failure). And when the power goes, it tells you whether the **generator (5)** started —in a hospital, that's life—. It all feeds your **COFEPRIS · NOM-253 · NOM-087** logs.

THE RETURN

a single unit of blood or a batch of biologics you don't lose **justifies it.**

\$50K–\$500K+ in cold

blood, biologics, reagents and vaccines — **not counting what can't be replaced**

for every \$1 you invest

you protect **critical inventory** and hours of replacement and crisis avoided

- **MONEY** critical cold protected — blood, biologics, reagents and vaccines
- **CONTROL** you know whether the generator started; fewer overnight crises
- **COMPLIANCE** no findings — COFEPRIS, NOM-253 (blood), NOM-087 (RPBI)

WHY IT WORKS

In a hospital, air temperature isn't enough: the **probe measures the product**, the system **learns each unit's cycle**, and the generator current **confirms the backup power actually started**. It's not a fixed threshold: it's your equipment, your blood, your power.

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 learns each unit's cycle.

Ignores the normal defrost, alerts the real failure — without false alarms.

It tells you if the generator didn't start.

In a hospital, backup power is life.

It keeps watching even when the power goes out.

The gateway has a battery — that's why it can alert you during the outage.

ready to **not lose** what can't be replaced?

Start with **one area** —the blood bank or the pharmacy—: a no-commitment pilot before scaling to the whole hospital.

Book your pilot or request a quote — no commitment.

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