

your city, measured **point by point** — to decide with data, 24/7.

AstreaIoT measures your municipality's water, energy, air and waste —in real time—, shows you **where the budget goes** and keeps the evidence ready for CONAGUA, CFE and SEMARNAT. Three things you gain without major works: **savings, service and transparency.**

WE MEASURE AND ALERT Sensors that report each asset's status to one panel. **We don't control your systems** —we don't operate valves or traffic lights—: we give you the data so your team decides and acts.

THREE THINGS IT GIVES YOUR CITY

● SAVINGS

you stop spending blind

On-demand collection lowers fuel; metered water makes non-billed loss visible; power factor avoids the CFE surcharge. The budget that walks out unseen — **visible and recoverable.**

a single optimized sector replicates to the whole city.

● SERVICE

the service doesn't go down

We detect a pump's wear **before** the breakdown, the damaged streetlight by sector, and the bin before the overflow. Fewer complaints, fewer neighborhoods without water, fewer dark zones.

from the citizen complaint, to the early alert.

● TRANSPARENCY

the data backs every decision

Continuous, auditable measurement of air, water and energy. The evidence for **CONAGUA, CFE and SEMARNAT**, ready — and a public report that backs every decision.

we don't certify: we hand you the data, auditable.

this is how we measure your city, **asset by asset.**

Each number is an asset where a wireless sensor reports to one panel. **You install only the ones that apply to your municipality.** The color says what each one gives you:

● savings — stop overspending **● service** — the service stays up **● transparency** — the auditable data



- 1 waste · collection ★**
we collect on demand: routes and fuel optimized, bins that don't overflow
- 2 water metered point by point**
we make non-billed loss visible
- 3 public lighting**
we detect the damaged streetlight by sector, without driving the whole city
- 4 energy of public buildings**
power factor and demand without the CFE surcharge
- 5 pumps and sumps**
we detect wear before the breakdown: neighborhoods without cutoffs
- 6 services on demand**
parks, plazas and parking operate by real use
- 7 urban air**
we measure the air in real time, with an auditable public report
- 8 public building · data**
continuous measurement for CONAGUA, CFE and SEMARNAT

★ **start with what's most visible.** Waste collection (1) is the highest-return data and the most visible complaint: on-demand collection, routes and fuel optimized. It's the first sector — and it replicates to the whole city. **We measure and alert; we don't operate your systems.**

THE RETURN

a single optimized sector replicates to the whole city.

20–30% less on collection

a range from real operations — **fuel and routes optimized**

non-billed water loss

we make it **visible and recoverable**, meter by meter

- **SAVINGS** on-demand collection + metered water + power factor without the CFE surcharge
- **SERVICE** pumps and streetlights serviced before the breakdown; neighborhoods without cutoffs
- **TRANSPARENCY** air, water and energy measured and auditable — ready for CONAGUA, CFE and SEMARNAT

HOW IT WORKS

LoRaWAN sensors that report every 5–30 minutes to one panel — enough for alerts, early maintenance and operational decisions. **It's not real-time control** of your systems: it's measurement, alerting and evidence. Aggregated data, no cameras (LFPDPPP-compliant).

WHY ASTREAIOT

We tell you what to attend to, with data.

Clear priority — not a dashboard your team has to decode.

Start with one sector, then replicate.

A pilot in one neighborhood or route, and the model scales to the whole city.

We measure, we don't operate.

We don't control valves or traffic lights — we give you the data so your team decides.

It complements what you already have.

It coexists with your existing systems; the data enriches the official record.

ready to measure your city point by point?

Start with **one sector** — a waste route or a neighborhood — a no-commitment pilot before scaling to the whole municipality.

Book a demo or request a proposal — no commitment.

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