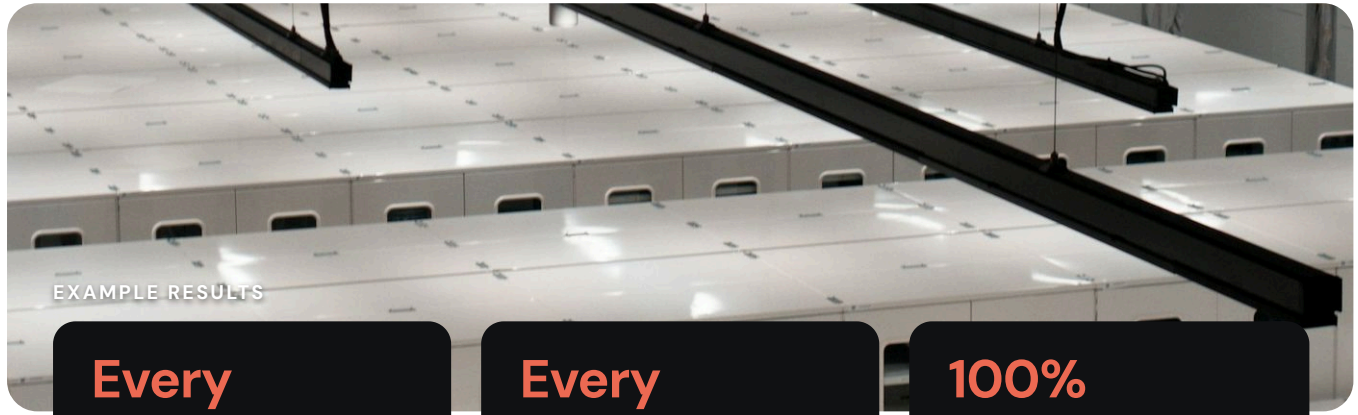


How a colocation data center maintains power and cooling with Asset Infinity

A colocation data center runs its UPS systems, generators and CRAC units on runtime-based plans, monthly generator test inspections and sensor alarms that raise work orders.



EXAMPLE RESULTS

- Every**
generator tested monthly, with readings and a signature on record
- Every**
temperature or humidity alarm raises a work order within minutes
- 100%**
of UPS, generator and CRAC units on a preventive plan

AT A GLANCE

INDUSTRY

Colocation data center

EXAMPLE SIZE

2 data halls, 1,200 racks

EXAMPLE ASSETS

8 UPS, 4 generators, 24 CRAC units

CUSTOMERS

Enterprises renting racks and cages

FEATURES USED

Maintenance

Connected

Insight

01 The organization

A colocation data center rents racks, cages and power to enterprise customers. Its facilities team keeps the power chain and cooling running around the clock.

Customers sign contracts that promise power and temperature within agreed limits, and they ask for maintenance records during their own audits.

02 The challenge

Critical equipment is serviced by vendor visit dates, generator tests are logged on paper, and monitoring alarms land in an inbox with no record of the response.

- UPS and CRAC services follow the calendar, not the hours the units have run.
- Monthly generator tests are written on paper sheets that are hard to produce for an audit.
- Temperature and humidity alarms are emailed, and nobody owns the follow-up.
- Vendor work and in-house work are tracked in different places.
- Customers ask for maintenance evidence that takes days to compile.

03 How it is set up in Asset Infinity

The data center runs its critical facilities in Asset Infinity, with each UPS, generator and CRAC unit in one register.

Maintenance

Runtime-based plans

Generators and CRAC units have plans that fall due on runtime hours, alongside date-based plans for UPS batteries and annual vendor services.

Maintenance

Generator tests as inspections

The monthly load test is a checklist with required readings, photos and a signature. A failed check raises corrective work automatically.

Connected

Sensor limits in the halls

Temperature and humidity sensors have limits. A reading outside them raises a work order for the CRAC unit serving that zone.

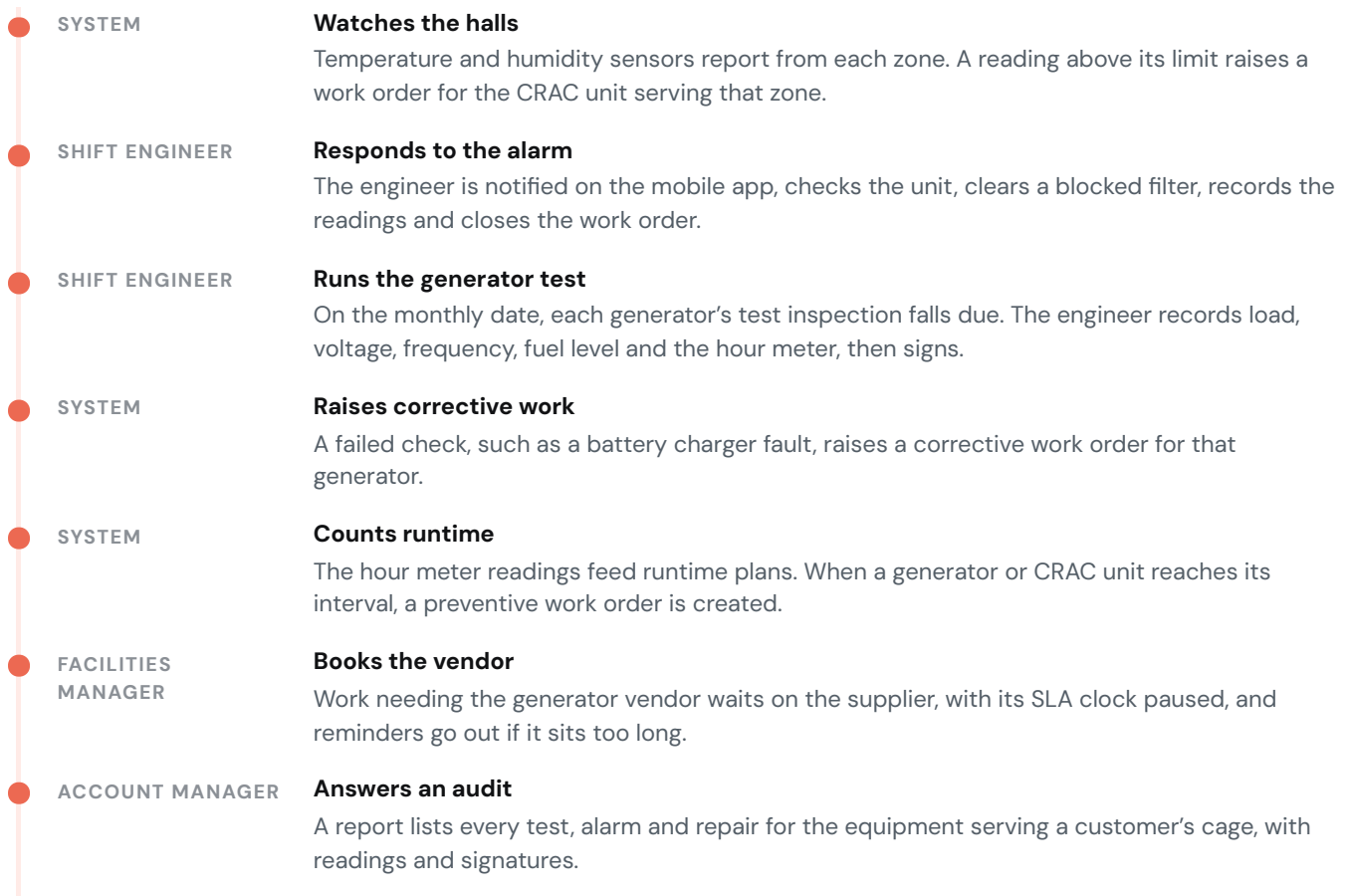
Insight

Records ready for audits

Dashboards show plans due and open alarms, and reports pull each asset's tests and repairs for a customer audit.

04 How it works day to day

Here is how a month of critical facilities work runs in Asset Infinity.



05 Before and after

	BEFORE	WITH ASSET INFINITY
Service timing	Vendor visit dates	Runtime hours and dates per unit
Generator tests	Paper sheets in a binder	A signed inspection with required readings
Failed test	Noted, then followed up by memory	Raises a corrective work order
Environmental alarms	Emails nobody owns	A work order with an owner
Customer audits	Days compiling records	One report per asset or cage

06 The first month

1

Critical assets loaded. UPS, generators, CRAC units, PDUs and switchgear are imported by hall, with labels on each unit.

2

Plans and checklists set. Runtime and date plans are created, and the monthly generator test becomes an inspection checklist.

3

Sensors connected. Hall temperature and humidity sensors are linked to their zones, with limits set.

07 Example results

- Each alarm has an owner, a response time and a record of what was done.
- Service timing follows the hours each unit has actually run.
- Jobs waiting on a vendor pause their SLA clock and show who they wait on.
- Audit evidence for a customer comes from one report instead of a file hunt.

08 Why it worked

Nothing waits on memory

Alarms, failed checks and due plans each create a work order, so the response does not depend on who is on shift.

Service by use

Runtime-based plans service generators and CRAC units when their hours say so, not just when the calendar does.

Evidence on demand

Readings, photos and signatures are stored with each asset, so customer audits take a report instead of a week.

09 Looking ahead

With power and cooling equipment in one register, the facilities team knows what is due, what is alarming and what has been tested, at any hour.

The same records answer customer audits, and the repair history of each unit shows which equipment is reaching the end of its life and belongs in next year's capex plan.

See it on your own assets

A 30-minute demo, set up for a data center or critical facilities team.

An example of how this kind of organization runs on Asset Infinity.

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