

Telecom

Example scenario

How a tower operator maintains site generators and batteries with Asset Infinity

A telecom tower operator runs runtime-based plans for site generators, checks battery banks on schedule, dispatches technicians by region and issues spares from regional depots.

EXAMPLE RESULTS

Every

site generator on a service plan driven by its runtime hours

100%

of site visits closed with a checklist, readings and photos

1

view of spares stock across every regional depot

AT A GLANCE

EXAMPLE TYPE

Independent tower operator

EXAMPLE SIZE

3,000 sites across 5 regions

EXAMPLE EQUIPMENT

Diesel generators, battery banks, rectifiers, air conditioning

EXAMPLE STORES

5 regional spares depots

FEATURES USED

Maintenance

Work

Stores

01 The organization

A tower operator owns and runs several thousand rooftop and ground-based sites that host equipment for mobile network operators. Many sites rely on diesel generators and battery banks when grid power fails.

Field technicians cover sites region by region, and spares sit in a depot for each region. The tenants expect power at every site, so a missed generator service or a weak battery bank turns into an outage.

02 The challenge

Generator services are scheduled by calendar while runtime varies widely by site. Site visit reports come back as spreadsheets and photos in chat groups.

- Sites with frequent grid outages run their generators far past the service interval.
- Battery banks are checked irregularly, and weak banks are found during an outage.
- Technicians drive to a site without the right spares.
- Depot stock is counted by hand, region by region.
- Managers cannot see open faults or visit history across regions.

03 How it is set up in Asset Infinity

The operator registers every site and its power equipment in Asset Infinity and runs plans, visits and spares from one system.

Maintenance

Runtime-based generator plans

Each generator has plans by runtime hours, such as an oil and filter change every 250 hours. Readings entered on each visit move the plan.

Maintenance

Battery and site inspections

Date-based inspections cover battery voltages, rectifier alarms, fuel level and site security, with required readings and photos. A failed check raises corrective work.

Work

Dispatch by region

Work orders for each region go to its technicians, with SLA timers on faults and reminders when a job waits too long.

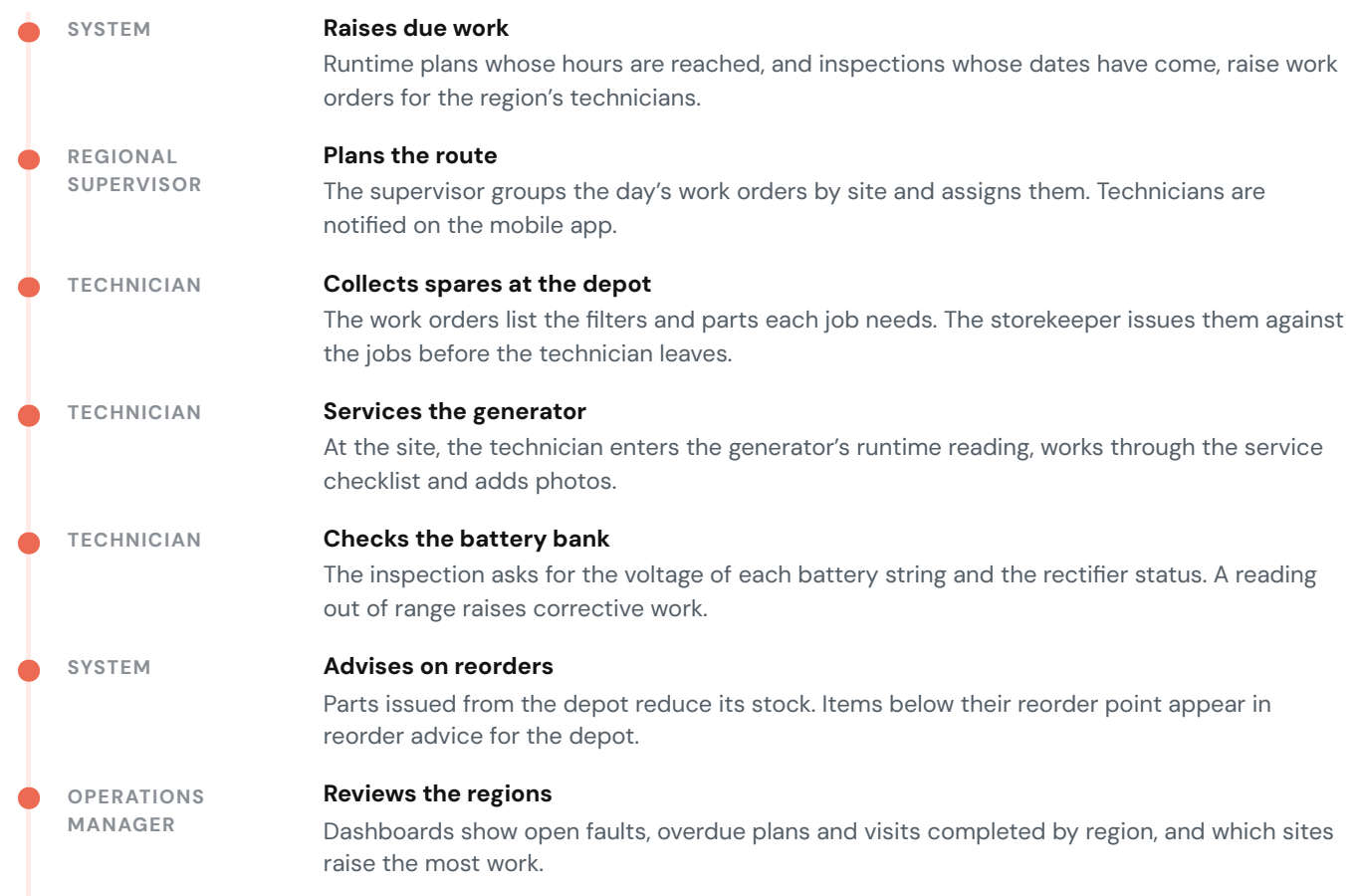
Stores

Spares at regional depots

Filters, batteries, rectifier modules and belts are stocked per depot, issued to the work order, with reorder advice when stock runs low.

04 How it works day to day

Here is how a technician's day across a region's sites runs.



05 Before and after

	BEFORE	WITH ASSET INFINITY
Generator service	By calendar, whatever the runtime	By runtime hours on each generator
Battery checks	Irregular	Scheduled inspections with readings
Visit reports	Spreadsheets and chat photos	Mobile checklists on each asset
Spares	Counted by hand per depot	Stock per depot, issued to jobs
Dispatch	Phone calls by region	Work orders assigned by region
Visibility	Region by region	One dashboard across regions

06 The first month

1

Sites and equipment imported. Sites, generators, battery banks and rectifiers were imported by region, with each site's location.

2

Plans and checklists built. Manufacturer intervals became runtime plans, and the site visit form became a mobile checklist.

3

Depots set up. Each depot's spares were counted into Stores with reorder points before technicians went live.

07 Example results

- Generators at sites with frequent grid outages come due sooner, because plans follow their hours.
- Weak battery banks show up in inspection readings before the next outage.
- Technicians see the spares a job needs and draw them from their region's depot.
- Regional managers compare open faults and completed visits on one dashboard.

08 Why it worked

Service follows runtime

A generator that runs every day is serviced sooner than one that rarely starts, because the plan counts hours.

Readings that raise work

A low battery voltage or a failed check becomes a work order on the spot, not a line in a report.

The right part on the van

Spares are issued from the region's depot against the job, so stock and usage are known.

09 Looking ahead

With generators serviced by the hours they actually run, batteries checked on schedule and spares tracked by depot, the operator keeps power at its sites without relying on memory or chat groups.

The visit history on every site also gives the operator a clear record to share with its tenants when they ask how a site is maintained.

See it on your own assets

A 30-minute demo, set up for a telecom tower or network operator.

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

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