

READY-TO-DEPLOY PROXIMITY SOLUTION

proxigent

Application, anchors and tags delivered together: live location, asset workflows, movement analytics and device management for hospitals and smart facilities.



Floor Plan

Real-time locating on your own floor plans

Asset Library

Locate, reserve, release, disinfect

Journal

Heatmaps, paths and zone visits

Reports

Utilisation reports, on demand or scheduled

Edge Management

Devices, templates, gateways, rules

OVERVIEW

WHAT IT IS

One application, five modules, one live picture of the building.

Proxigent ships as a complete solution: the application, the proximity anchors that go on the walls and the tags that go on the equipment. Together they give a live map of people and assets, then put that data to work — booking and cleaning assets, replaying movement, generating utilisation reports and keeping every device under configuration control.

HOW THE DATA FLOWS

Tags & anchors

Supplied with the solution. Tags on assets report battery, status, charging, label and proximity; anchors fixed in rooms report supply voltage, status and position.



Gateway

Collects readings from every device on site; edge rules are defined per gateway.



Proxigent services

Edge Management and RTLS back ends with versioned APIs; status visible in General Info.



Modules

Floor Plan, Asset Library, Journal, Reports and Edge Management share the same device data.

THE FIVE MODULES

Floor Plan

Live map of tags and anchors on the site's own floor plan, with zones, tag groups, alerts and RTLS rules configured alongside it.

Floor Plan > Map view
Alerts list · Alerts · Maps · Groups
· Rules

Asset Library

Everyday asset workflows for ward staff: locate, reserve, release, update disinfection status and manage the asset register.

Asset Library > Locate · Reserve · Release
Disinfection Status · Manage Assets

Journal

Movement analytics dashboards: position heatmaps, total time in zones, number of visits, paths and per-tag history over any time range.

Journal > All Tags · Single Tag
Geomap · Tag position by minute

Reports

Device utilisation reports per floor plan and gateway, filtered by date and device group, downloadable and schedulable to e-mail recipients.

Reports > Report List
Configure Schedule

Edge Management

The device layer under everything: devices and their live endpoints, device templates, gateways, gateway templates and edge rules.

Edge Management > Devices · Gateways
Device Templates · Gateway Templates
· Rules

INCLUDED
HARDWARE

WHAT COMES WITH THE SOLUTION

Anchors for the rooms, tags for the assets — delivered with the application.

Proxigent is not software alone. Each deployment comes with proximity anchors, mounted in rooms and corridors, and proximity tags fitted to the equipment you want to find. Both are already defined as device templates in the application, so a new site is a matter of placing anchors, assigning tags and importing the floor plan.



Proximity anchor

Fixed reference point installed in a room or corridor. Anchors carry the room identity on the floor plan — every zone in the demo installation (Acute bays, Triage, CT, Pharmacy, Blood bank, Recovery / PACU ...) is an anchor. Reports supply voltage, status, position and label to the application; five-pin contact strip on the front face.



Proximity tag

Compact, battery-powered tag with a strap and metal clip, so it fastens to a wheelchair, pump, monitor or trolley in seconds; a status LED on the face. Reports battery level, charging state, status, label and the nearest anchor with distance — the reading behind every asset location in the application.

— Pre-defined in the application

Anchor and tag templates are part of the Device Templates catalogue, with their endpoints already declared; devices are created from them and bound to the site gateway.

— One gateway per site

Anchors and tags report to a gateway (GW-07 in the demo), which the application collects readings from and where edge rules are defined.

— Placed on your floor plan

Each anchor is positioned in metres on the imported plan from Device view; from then on tags resolve to rooms and zones automatically.

— Assets bound to tags

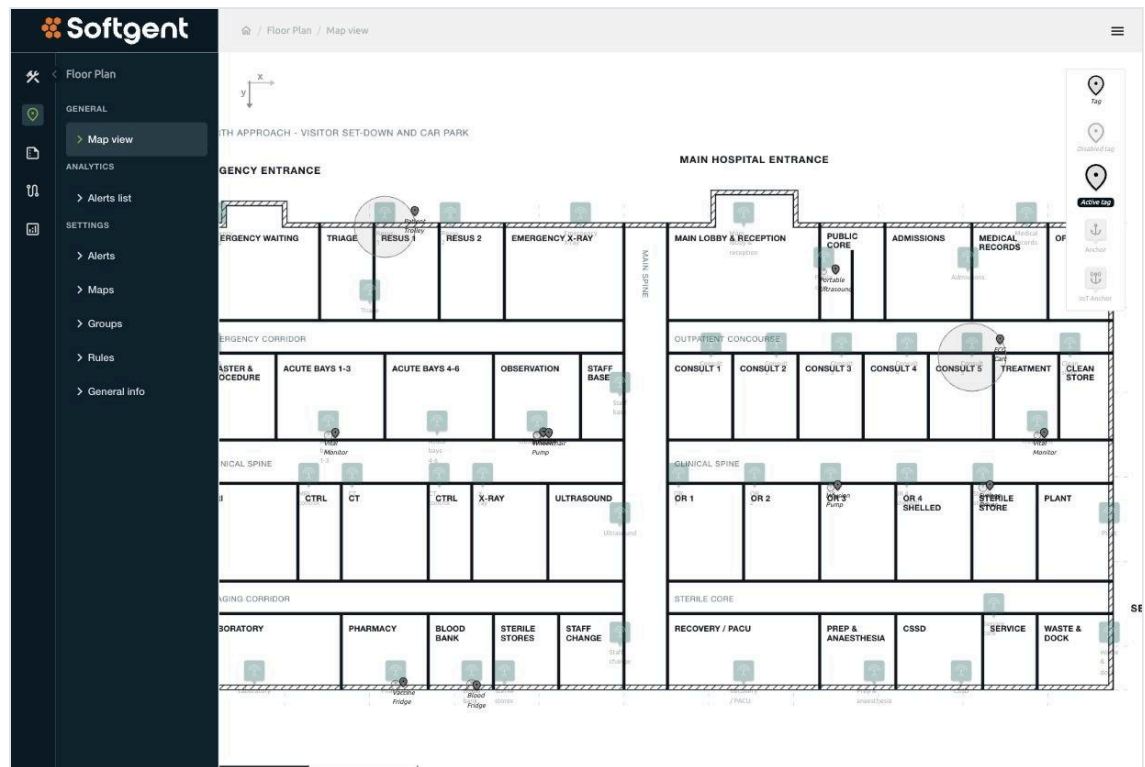
In Asset Library each asset is assigned its tag ID, so the same device data drives locate, reserve, disinfection and utilisation reporting.

FLOOR PLAN

REAL-TIME LOCATING SYSTEM

See every tag and anchor on the floor plan, as it happens.

Map view renders the site's own architectural drawing with anchors fixed in rooms and tags moving between them. Staff open a level and see where the wheelchair, the infusion pump or the patient trolley is right now.



Map view — GA-100 Ground Floor with anchors (squares), live tags (pins) and the legend: tag, disabled tag, active tag, anchor, IoT anchor. Scale bar, north arrow, zoom and fit-to-view controls. [#/rtls/map](#)

— Your own floor plans

Maps are created from the site's drawings and selected from the map switcher; each map carries its own zero point, gizmo axes and metric scale.

— Device cards on the map

Clicking an anchor or tag opens its card: category, position, supply voltage, status and label, with one-tap links to its alerts and analytics.

— Groups and alerts

Colour-coded tag groups, alerts for a single device, a group or a value, and an alerts list filtered by date range with device, type, reading and timestamp.

— Layer control

Map Settings toggle legend, zero point, gizmo, labels, tags, inactive tags, anchors, inactive anchors, zones and IoT devices, plus centre-on-selected, centre-tag-in-zone and multiple-card behaviour.

— Devices and zones side panel

A searchable, filterable device list with category, alias and status; the eye action opens Device view with the device's X/Y/Z position on the map, change or remove position, and icon. A Zones tab lists and adds zones.

— RTLS rules

Rules with a condition, an ordered action list and a live preview toggle, showing enabled and condition-satisfied state per rule.

FLOOR PLAN
IN DETAIL

WORKING WITH THE MAP

Find a device, read its state, act on it.

The screenshot displays the Softgent Proxigent Floor Plan interface. On the left is a dark sidebar with navigation options: Floor Plan, GENERAL, Map view, ANALYTICS, Alerts list, SETTINGS, Alerts, Maps, Groups, Rules, and General info. The main area shows a detailed floor plan of a hospital ground floor with various rooms labeled, including Emergency Waiting, Triage, Resus, Emergency X-ray, Main Lobby & Reception, Outpatient Concourse, Acute Bays, Observation, Staff Base, Clinical Spine, ORs, Recovery/PACU, Laboratory, Pharmacy, Blood Bank, Sterile Stores, and Staff Change. A scale bar indicates 10m and 20m. On the right, the 'DEVICES' panel is active, showing a list of devices with columns for Category, Alias, Status, and Action. The list includes various ProximityAnchor devices like Acute bays, Admissions, Blood bank, CSSD, CT, CT control, Clean store, Consult, Emergency X-ray, Emergency waiting, Laboratory, MRI, MRI control, and Main Inbhu & reception. At the bottom of the panel are buttons for search, filter, and device actions.

Devices panel — search, filter and locate any device from the list; category, alias and online status per row.

[#/rtls/map > Devices](#)

This screenshot shows the 'Map Settings' panel in the Softgent Proxigent interface. The panel lists fourteen toggleable settings for map layers and behaviors, such as 'Show legend', 'Show area point', 'Show geo', 'Show labels', 'Show tags', 'Show inactive tags', 'Show anchors', 'Show inactive anchors', 'Show zones', 'Lock this map', 'Center tag position in zone', 'Show multiple cards', and 'Show IoT devices'. Each setting has a green toggle switch indicating it is currently enabled.

Map Settings — fourteen layer and behaviour toggles, lockable so ward screens stay as configured.

This screenshot shows an 'Anchor card' overlaid on the floor plan map. The card displays information for a specific device, including its name, status, and location. It also features an 'Alerts' section and 'Analytics' shortcuts. The background map shows the same hospital floor plan as the previous screenshots.

Anchor card — supply voltage, status and label, with Alerts and Analytics shortcuts.

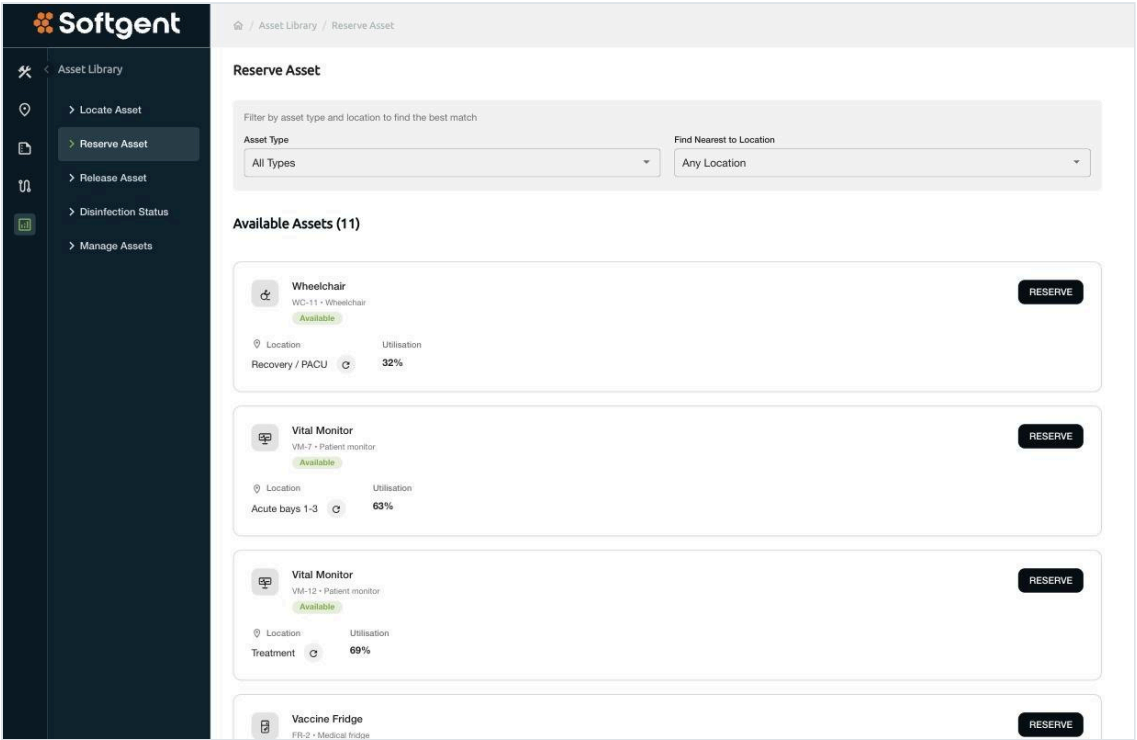
A porter opens Map view, types the asset name in the Devices panel and taps the eye action — the device card opens with its status, and Device view shows its position on the plan in metres.

ASSET
LIBRARY

ASSET MANAGEMENT FOR WARD STAFF

Where is it, is it free, is it clean?

Asset Library wraps the tracked equipment in the workflows staff actually run: find the nearest available unit, reserve it, release it when done, and keep the disinfection record straight — each asset bound to its tag.



Reserve Asset — filter by asset type and nearest location; each card shows availability, current location and utilisation before you press Reserve.

[#/asset-management/reserve-asset](#)

Locate Asset

Searchable asset cards with availability status; the detail view shows asset ID, tag ID, serial number, current and previous locations, utilisation rate and total hours used, with a Locate on map action.

Reserve and Release

Reserve from a filtered list of available assets (11 in the demo estate); Release lists assets currently in use so they return to the pool.

Disinfection Status

Counters for Clean, Needs Disinfection and Not Required, per-asset Update Status and the last-disinfection date next to the asset's current location.

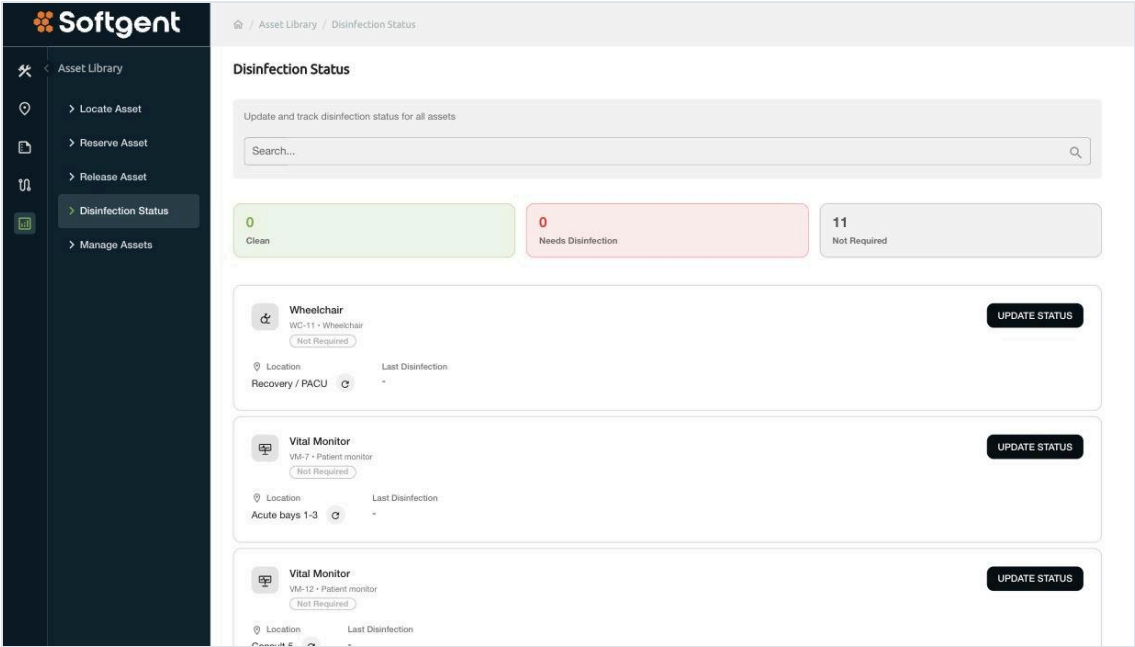
Manage Assets

The register itself: asset name, ID, type (wheelchair, patient monitor, medical fridge, syringe pump, ultrasound, trolley, infusion pump, ECG cart, blood storage) and the assigned tag, with a Tag List and Add New Asset.

ASSET
LIBRARY
IN DETAIL

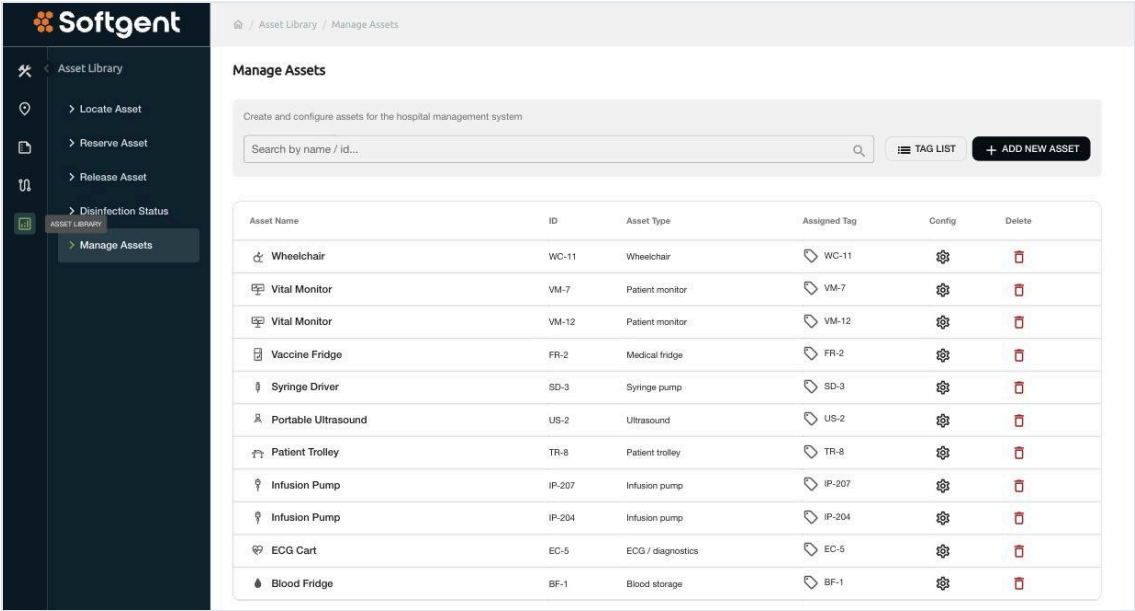
CLEANLINESS AND THE REGISTER

A disinfection record that travels with the asset.



Disinfection Status — estate-wide counters, then one card per asset with its location and last disinfection; Update Status records the change.

[#/asset-management/disinfection-status](#)



Manage Assets — the asset register with type, assigned tag, per-asset configuration and delete; Tag List and Add New Asset at the top.

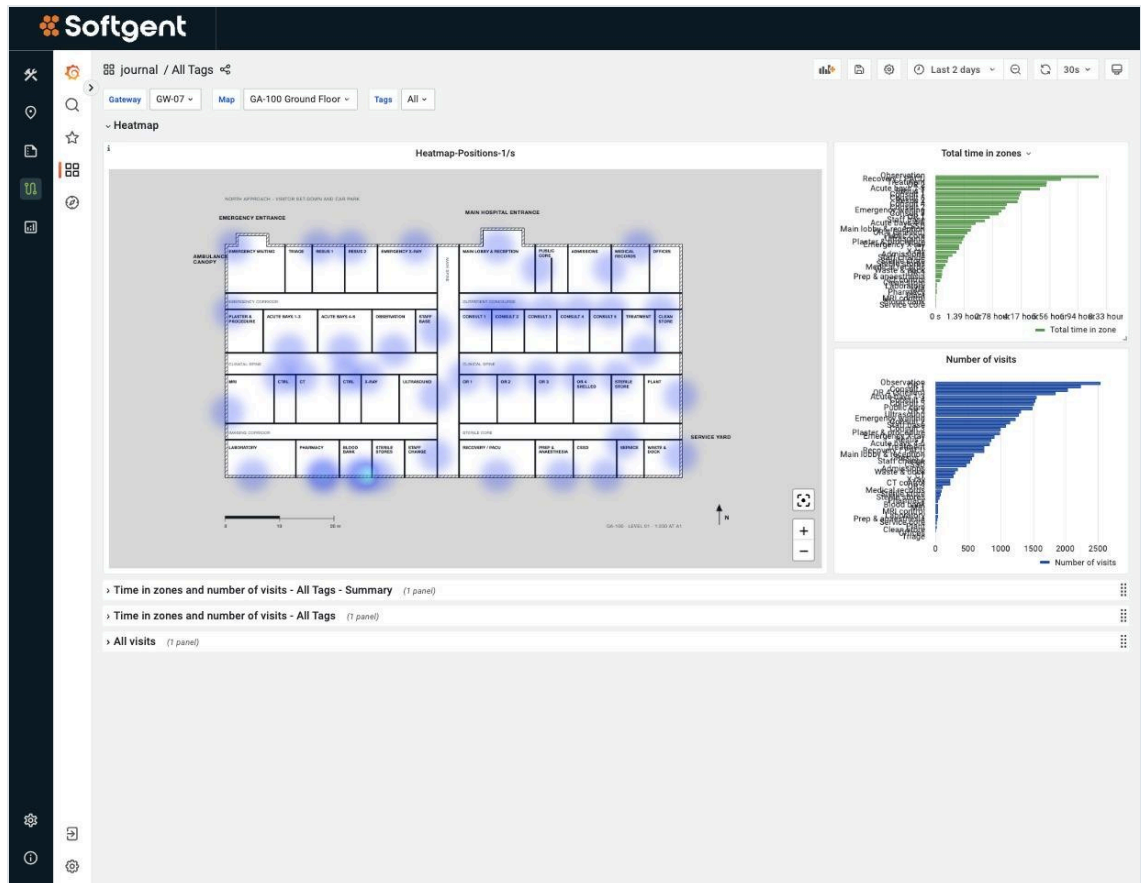
[#/asset-management/manage-assets](#)

JOURNAL

MOVEMENT ANALYTICS

Where things dwell, how often rooms are visited, which path a tag took.

Journal keeps the position history and presents it as dashboards over any time range — the last hour for a shift handover, the last two days for a ward review — with a 30-second auto-refresh when left on a screen.



All Tags dashboard — position heatmap over the floor plan (1 s resolution), total time in zones and number of visits per zone, for gateway GW-07 over the last two days. [#/journal/pathview](#)

Four dashboards

All Tags, Single Tag, Geomap and Tag position by minute, tagged for map view, zone visits and active tags so the right one is easy to find.

Scoped by gateway, map and tag

Every dashboard is filtered by gateway, floor plan and tag selection, so the same view works per ward or for the whole site.

Heatmap and paths

Dwell density drawn on the plan at one-second resolution; the Single Tag dashboard pairs a Paths panel with the heatmap for one selected tag.

Zone visit analytics

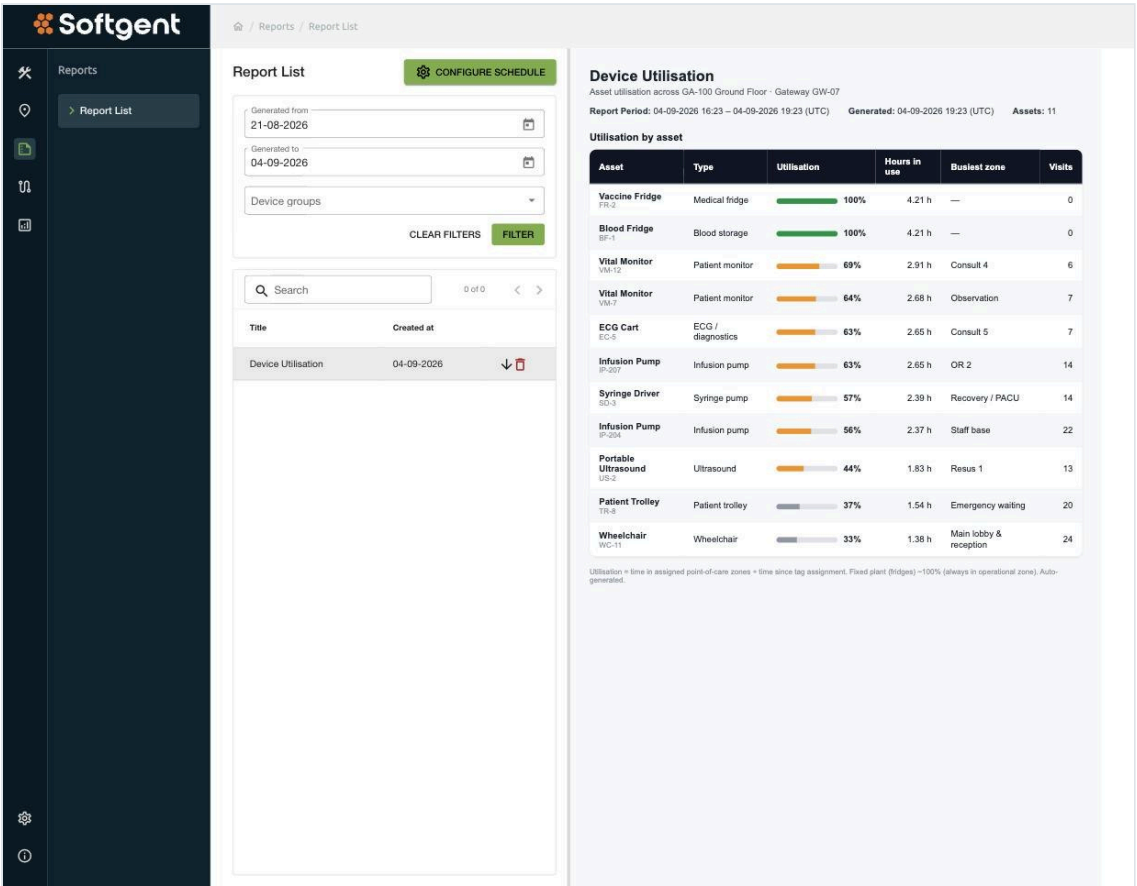
Total time in zones and number of visits as ranked bars, plus visits summary and all-visits tables for the selected period.

REPORTS

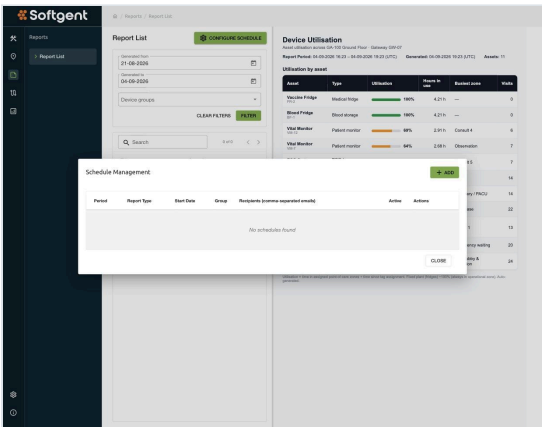
REPORTING AND SCHEDULING

Utilisation figures for the whole fleet, generated for you.

Reports turn location history into a management view: how much each asset is used, for how many hours, in which zone it spends most time and how many rooms it visited. Generate on demand, or schedule delivery to a recipient list.



Device Utilisation — asset, type, utilisation bar and percentage, hours in use, busiest zone and visit count across GA-100 Ground Floor, gateway GW-07; report period and generation time in the header. [#/report](#)



Schedule Management — period, report type, start date, device group, recipient e-mails and an active switch per schedule.

Filter and find

Report list filtered by generated-from and generated-to dates and by device group, with free-text search.

Download or remove

Each report row offers download and delete; the selected report renders in the right-hand pane.

Explained figures

Utilisation is defined in the report footer: time in assigned point-of-care zones plus time since tag assignment; fixed plant such as fridges reads as always in its operational zone.

EDGE
MANAGEMENT

DEVICE AND GATEWAY PLATFORM

Every device on the record, every endpoint readable.

Edge Management is the register of everything that reports into Proxigent: proximity anchors and tags today, LoRa sensors, cameras and gateways from the same template catalogue. Each device is created from a template, bound to a gateway and inspected endpoint by endpoint.

Search by name/ id...

+ ADD NEW DEVICE

Items per page 50 1 - 50 of 55

☐	Name	Id	Assigned	Gateway	Manufacturer	Category	Template
☐	Acute bays 1-3	54047fd-d2b1-4e26-a862-1dab834f9217	✓	GW-07	Spark Microsystems	ProximityAnchor	SparkAnchorDemo
☐	Acute bays 4-6	1189ab1-cadf-4dc3-afb1-8bffcd3d85e5	✓	GW-07	Spark Microsystems	ProximityAnchor	SparkAnchorDemo
☐	Admissions	3c3dc0be-1e11-4011-bc82-cc945a51995	✓	GW-07	Spark Microsystems	ProximityAnchor	SparkAnchorDemo
☐	BF-1	690dacc2-078c-4b57-aa0a-6314adba6064	✓	GW-07	Spark Microsystems	ProximityTag	Spark Proximity Tag
☐	Blood bank	d823f37b-b876-438d-b8f5-81252d24725	✓	GW-07	Spark Microsystems	ProximityAnchor	SparkAnchorDemo
☐	CSSD	e10b211e-2d83-48a8-b09e-6f92b2824dbb	✓	GW-07	Spark Microsystems	ProximityAnchor	SparkAnchorDemo
☐	CT	7c52ce62-fa6b-4954-a2b3-9efcb590edcd	✓	GW-07	Spark Microsystems	ProximityAnchor	SparkAnchorDemo
☐	CT control	e10b4c2c-a7fc-449d-971f-d42d31338330	✓	GW-07	Spark Microsystems	ProximityAnchor	SparkAnchorDemo
☐	Clean store	ef16a079-7670-4c0b-afd9-d1d3b30b2453	✓	GW-07	Spark Microsystems	ProximityAnchor	SparkAnchorDemo
☐	Consult 1	de2d01a0-4801-4a51-ab12-d85422d3f04e	✓	GW-07	Spark Microsystems	ProximityAnchor	SparkAnchorDemo

Devices — search by name or ID; columns for assignment, gateway, manufacturer, category and template with filters; row selection for bulk export or delete; copy-ID on every row; Add New Device wizard. [#/equipment/devices](#)

DETAILS ENDPOINTS

Name	Direction	Category	Data Type	Source Type	Value
Battery	Out	Telemetry	Number	Battery	84.1
Status	Out	Status	String	Status	Active
Charging	Out	Status	Boolean	Charging	false
Label	Both	Rtts	String	Label	-
Proximity	Out	Rtts	Object	Proximity	["Id": "6253d9f7-7df9-4393-b440-27900a60e62b", "Distance": 0.42]

SEND VALUE

Endpoints tab of tag IP-204 — name, direction, category, data type, source type and the latest value; Send Value writes to endpoints with direction In or Both. [#/equipment/devices/<id>](#)

Device templates

Device template details

Name	Source Type	Category	Data Type	Persistent	Direction	Action
Signal	Signal	Signal	String	✓	Out	
Label	Label	Rtts	String	✓	Both	
Position	Position	Rtts	Object	✓	Both	
Bluetooth Connectivity	BluetoothConnectivity	Rtts	Boolean	✓	Both	

Device Templates — 27 templates, each defining its endpoints, persistence and direction.

Gateway templates

Gateway template details

Name	Template ID	Action
Virtual	19b3719-0330-4330-b440-27900a60e62b	
Monographical	80ad002-0330-4330-b440-27900a60e62b	

Gateway Templates — the device templates a gateway type supports.

EDGE MANAGEMENT IN DETAIL

WHAT THE DEVICE LAYER GIVES YOU

Template once, deploy across gateways, keep the estate consistent.

— Add-device wizard

Two steps: name, template and gateway, then setup configuration. The template brings the endpoint set with it.

— Device details

Name, template, gateway, manufacturer, ID, development name, service, serial number, category, description, remarks, JSON configuration and Enabled / Virtual flags.

— Live endpoints

Battery, status, charging, label and proximity for a tag; each endpoint typed (number, string, boolean, object) with direction Out, In or Both.

— Gateways and gateway templates

Gateways listed with template, enabled state, updated and upgraded timestamps; gateway templates define which device templates a gateway supports.

— Edge rules per gateway

Rules scoped to a gateway with a condition, ordered actions, a preview toggle and enabled / condition-satisfied status.

— General info

Front-end microservice availability, module versions, back-end API URLs, versions and health for Edge Management and RTLS.

DEVICE CATEGORIES IN THE TEMPLATE CATALOGUE

FAMILY	TEMPLATES IN THE CATALOGUE	ENDPOINTS SEEN IN THE DEMO
Proximity	Spark Proximity Tag, SparkAnchorDemo, Anchor, SensorAnchor	Tag: battery, status, charging, label, proximity. Anchor: status, label, position, Bluetooth connectivity, supply voltage, event, diagnostic mode
TDOA RTLS	TdoaAnchor, TdoaTag, TdoaWatch, Tag, Zone	Not deployed in the demo installation
LoRa sensors	LoraTH, LoraWS, LoraAM, LoraDistanceSensor, LoraOccupancySensor, LoraReedSwitch, LoraSocket, LoraTrashBin, LoraPaperDispenser, LoraSoapDispenser, LoRaWAN Gateway	Not deployed in the demo installation
Infrastructure	CloudCamera, MessagingModule, JIO Portal Proxy, RtIsProxy, OphardtDispenser, Rule, Virtual	Not deployed in the demo installation

Rules — rule details with template, condition block, ordered actions and a preview toggle; enabled and condition-satisfied status shown per rule, scoped to the selected gateway.

[#/equipment/rules](#)



proxigent

Ready to deploy — application, anchors and tags from one supplier.

Proxigent is built and delivered by Softgent, an IoT and software engineering company. The application runs as a set of front-end and back-end microservices with versioned APIs, so it can be installed on site or hosted, extended with new device templates, and integrated with the systems already in the building. The hardware arrives already defined in the device catalogue.

DEPLOYMENT

Edge Management and RTLS services, each with its own API and health status

DEVICES

Proximity and TDOA RTLS, LoRa sensors, cameras and gateways — 27 templates in one catalogue

DELIVERED BY

Softgent — engineering, hardware supply, deployment and support

 **Softgent**