OMAYA

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SPATIAL INTELLIGENCE FOR BUILDINGS

Know where everyone is. And what every room is doing.

Omaya is a spatial intelligence platform. It turns the people, devices, environment and space in and around your sites into one live picture — so you can run operations, keep people safe, and prove what is working without writing a single report by hand.

10	28	40	18	11
apps to switch on	built-in reports	rule triggers	kinds of action	kinds of site

1

Omaya platform

Room-level positioning for people and assets, GPS and phones outside, occupancy from radar and counters, environment and energy readings — on your real floor plans.

- Room-level positioning, live map and replay
- Footfall, occupancy, dwell and space utilisation
- Temperature, air quality, noise and energy
- Gateway and sensor health, outages logged to the minute
- Bluetooth and LoRaWAN indoors; GPS and Omaya Scout outside

2

Workplace apps

Meeting rooms, visitors, facilities, toilets, energy, compliance, warehouse and data-centre apps that run on the same data.

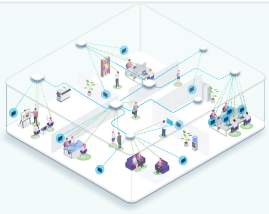
- Meeting rooms, visitors and facilities
- Toilet hygiene, energy and compliance
- Warehouse and data centre
- Mobile app for staff, TV and wall dashboards
- Switched on per organisation and per user

3

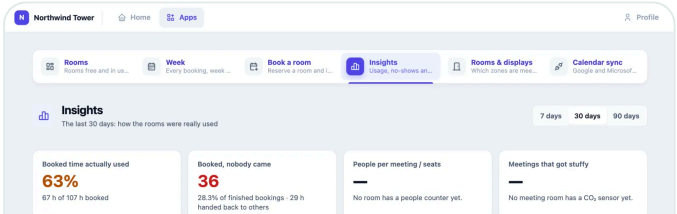
Safety and security

Roll call from the badges already in the building, panic buttons, fall and man-down alerts, and a security board for guards.

- Live muster at the assembly point
- Panic buttons with escalation
- Fall and man-down alerts on worn tags
- After-hours and restricted zones
- SMS, WhatsApp, email or push



One live model of people, devices, environment and space



Meeting Room: booked versus used, released when nobody arrives

Omaya AI, the operations assistant

Checks the site on a schedule, explains what changed in plain words and proposes fixes that a person approves. Ask on the web, in the mobile app or over Telegram.

- Heartbeat checks every 2 to 24 hours
- A daily review with proposed rules and fixes
- Reports you can ask for in plain language
- Omaya's AI service, or your own model key

10 APPS, SWITCHED ON WHEN YOU NEED THEM

The base platform tracks, monitors and reports on its own — the apps are optional. Each is switched on per organisation and per user, and works from the same data, rules and audit trail.

Roll Call
Live muster at the assembly point: who is still missing and where they were last seen.

Security Watch
Armed hours, restricted zones, panic buttons and heat that looks like fire, on one guard board.

Facility Management
Asset register, work orders, preventive maintenance and a public request portal.

Toilet Hygiene
Cleaning triggered by traffic, supply and leak sensors, and who cleaned what and when.

Meeting Room
Booking, live occupancy, calendar sync and kiosk display; bookings check in from real presence.

Visitor Management
Pre-registration, walk-in check-in, approvals by WhatsApp or SMS, and host notification.

Energy
Consumption per meter against occupancy, cost at your tariff, and use while nobody was there.

Compliance Reports
Evidence packs against ISO, OSHA, GDPR and other standards, on your auditor's schedule.

Data Centre
PUE, rack inlet heat, UPS, cooling and generators watched as plant, in a 2D and 3D hall.

Warehouse
Receiving to shipping on scans, the ERP kept in step, and where tagged pallets really are.

FROM SIGNAL TO OUTCOME

A washroom gets busy, a cleaner gets sent: cleaning by traffic, not by clock — and the evidence writes itself.

1. **38 visits in the last hour** — door counter on the Level 4 washroom
2. **Dirty score climbs to 82** — visits, occupancy, time since last clean, supply levels
3. **Work order raised** — priority from the score; the recurring schedule steps aside
4. **Cleaner on shift is pushed** — absent? it falls to the backup tier; stuck orders escalate
5. **Cleaned, score reset, logged** — the log is the compliance evidence

BUILT FOR 11 KINDS OF PLACE

Shopping malls
Footfall, dwell and flow per floor; washrooms cleaned by traffic.

Offices & corporate campuses
Booked-versus-used rooms; lights and air-con follow occupancy.

Medical centres & hospitals
Equipment found in seconds; waiting areas and cold chain watched.

Education
Hall and lab use against the timetable; roll call on alarm.

Manufacturing & warehouses
Tools and pallets located; man-down alerts; plant rooms watched.

Data centres & comms rooms
Live PUE, rack heat on a 2D and 3D plan, UPS and cooling as plant.

Theme parks & attractions
Live density per queue; a guest or group found in seconds.

Hotels & resorts
Occupancy by hour; function rooms set back when empty.

Retail stores
Entries, dwell per display, and conversion with a denominator.

Event & exhibition centres
Live headcount per hall against capacity; dwell per exhibitor.

Smart buildings & facility management
One view across sites; energy set against occupancy.

SUPPORTED HARDWARE

Bluetooth and LoRaWAN side by side. What you install decides what the numbers can mean, so start from the question.

Gateways

Sensors

Badge tags

Wristbands

Buttons

GATEWAYS	RADIO
Dusun DSGW series	Bluetooth
MOKO MKGW-mini, MK107, MKGW1/3	Bluetooth
MikroTik KNOT	Bluetooth
Minew G1	Bluetooth
Milesight UG56, UG65	LoRaWAN
Any LoRaWAN gateway through ChirpStack	LoRaWAN
Anything that speaks MQTT generic payload	Any
Phones Omaya Scout app, iPhone and Android, outside	Bluetooth

Radars — Count people in a room, tagged or not, and where each one stands.
Minew MSR01-A · Milesight VS370

People counters — People crossing a doorway, each way, netted into a room or building total.
Minew MSR01-B

Tags, badges and buttons — People and assets on the floor plan; buttons for panic and help; falls and man-down on worn tags.
Minew · MOKO

Presence and doors — Is anyone in this room or toilet; was this door left open.
MOKO S01P · Aqara P1, FP300 · Milesight EM300-MCS

Environment — Temperature, humidity, CO_2, particulates, light, noise and water leaks.
Bluetooth, LoRaWAN and Home Assistant sensors

Energy — Meters, CT clamps and smart plugs, with a meter hierarchy that keeps totals honest.
LoRaWAN and Home Assistant meters

Distance — Bin and tank levels, bay and bed occupancy from a time-of-flight sensor.
MOKO SO2R

INTEGRATIONS

Vendor-neutral by design: several gateway makes side by side, a public API with interactive documentation, signed webhooks and a connector hub.

Gateways and radios

Dusun · MOKO · Milesight · MikroTik KNOT · Minew · ChirpStack · MQTT · Omaya Scout

Calendars

Google Calendar · Microsoft 365

Identity

Microsoft Entra ID · Okta · Google Workspace · Any OpenID Connect provider

Messaging and alerts

Email · SMS · WhatsApp · Telegram · Slack · Microsoft Teams · Push · Webhook · MQTT

Smart home and building

Home Assistant · Aqara · Energy meters

Your own systems

REST API · Signed webhooks · Power BI · Excel · Grafana · Zabbix · ERP · Access control

SECURITY AND DATA

A platform that knows where people are has to earn the right to. These are the controls as they work today.

Anonymous by default
A tag is a number until you bind it to a person. Phones and other unknown devices are counted as footfall, never identified, and nobody needs an app.

Retention you set
Choose how long history is kept and older data is removed automatically. Requests to see or erase a person's data are handled in the console.

An audit trail
Every change recorded with who, what and when, checked against checksums, with a weekly access review by email.

Your own database
Each organisation's data lives in its own store, not a shared table with a filter.

Who can see what
Roles with per-page permissions, and a role can be limited to the people and assets carrying chosen labels. Single sign-on, two-factor and password expiry for administrators.

AI inside the fence
The assistant reads one organisation through read-only views, with secrets removed. It proposes; a person approves. Bring your own model key if you prefer.

ACCURACY

99.9%+
Right floor
People placed on the right floor, even where two floors hear each other through the slab.

80%
Right room
Of positions placed in the right room, including rooms with no gateway of their own.

4×
Less flicker
Fewer jumps between neighbouring rooms, so a stay reads as one stay.

Figures from our reference site. Accuracy depends on where the gateways go, which is why every project starts with a site survey.

MOST SITES ARE RUNNING BY THE END OF WEEK TWO.

1

Survey and deploy
A partner surveys your site, mounts the gateways, tags the spaces that matter, and brings up the floor plan. Most sites are physically complete in a day.

2

Connect and configure
Plug in the systems you already run — door access, HR roster, calendar, ticketing — through the connector hub. Configure the rules that match how your team actually works.

3

Operate and improve
The platform starts producing numbers, alerts and reports on day one. Your team tunes the rules, the floor plans and the dashboards as you go.

See your site the way it actually runs.

Twenty minutes on a site like yours. Tell us what you run and we will show you the platform running on one like it.

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