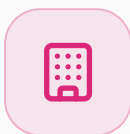


SPATIAL MAP • SOLUTION 07 / 07



Venue

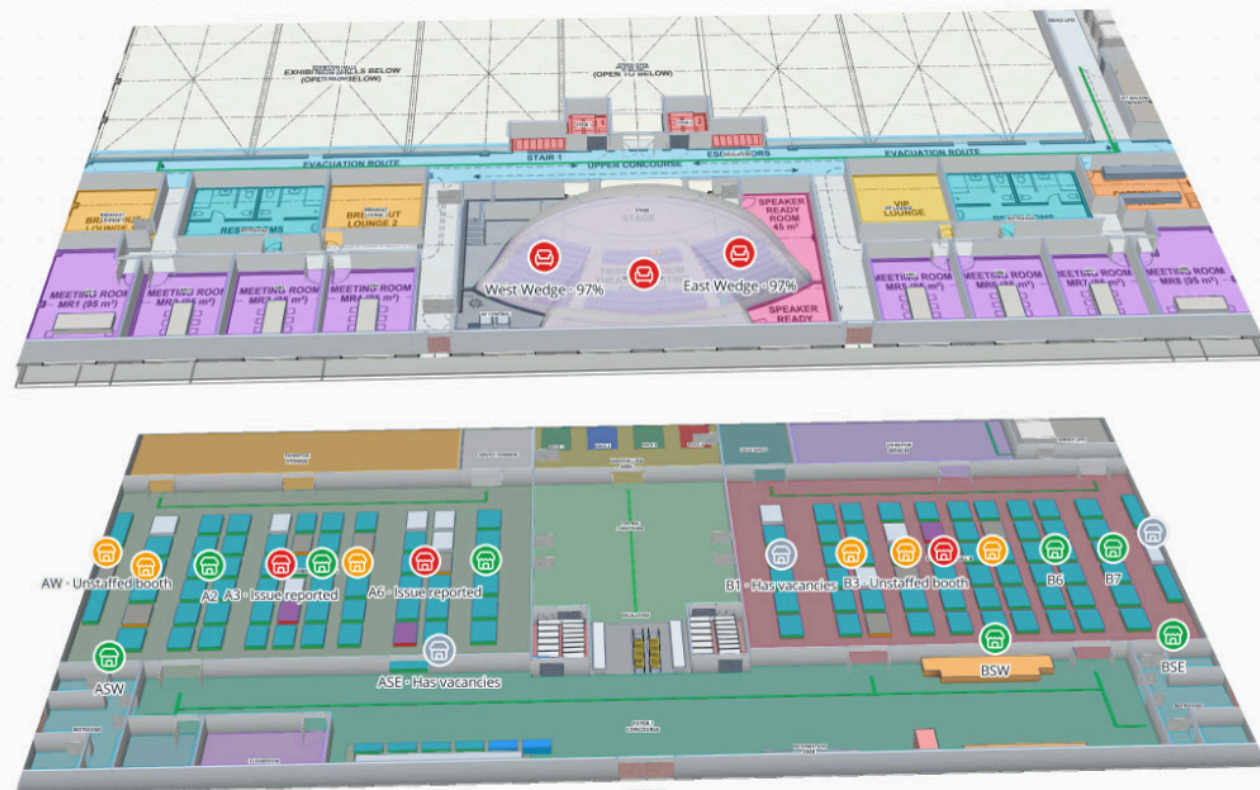
Every hall, gate and queue, live in 3D.

EVERY ROOM • EVERY QUEUE • EVERY GATE • LIVE

 LAKESIDE CONVENTION CENTER

 SILVERBAY AIRPORT T2

 CROWN PARK STADIUM



01 — THE CHALLENGE

Crowds move faster than radios can.

At a busy venue, the problem is rarely a lack of data — it is that halls, gates, rooms and services each see their own piece. A packed session, a growing queue or a missing wheelchair only shows up when a guest complains or someone radios it in.



01

Rooms overflow mid-session

Popular talks pack rooms past capacity before anyone reacts.

9

SESSIONS OVER CAPACITY • 2 SHOW DAYS



02

Queues build out of sight

Lines grow at booths and lanes while staff work elsewhere.

29 min

IMMIGRATION WAIT • 135 PASSENGERS QUEUING



03

Shared kit goes missing

Loan wheelchairs leave their post and nobody knows where.

3

LOAN WHEELCHAIRS MISSING • ONE IN EACH VENUE

AT A GLANCE

3

VENUES MODELLED

28,358

FANS SEATED

7,377

BADGE SCANS TODAY

5,763

PASSENGERS SCREENED TODAY

292

CONNECTED DEVICES

02 — THREE VENUES, ONE MAP

Three venues, one live map.

📍 CROWN PARK • LAKESIDE • SILVERBAY T2

We model each venue to scale — a stadium bowl, a two-floor convention venue and a two-level airport terminal — and layer every data source on top. Halls, rooms, gates, queues and kit share one live map that anyone on your team can open in a browser.

● **Crown Park Stadium** **STADIUM BOWL**

30,513 seats in 44 sections, concourses and 25 kiosks.

● **Lakeside Convention Center** **2 FLOORS**

Exhibition halls A and B, docks, 8 meeting rooms, auditorium.

● **Silverbay Airport • Terminal 2** **2 LEVELS**

Arrivals and Departures, 6 security lanes, 18 immigration booths.



CROWN PARK STADIUM

28,358

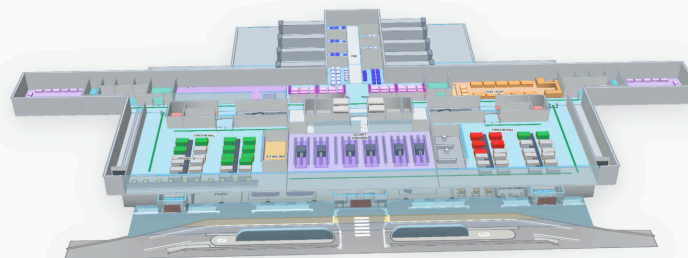
FANS SEATED • 30,513 SEATS



LAKESIDE CONVENTION CENTER

7,377

BADGE SCANS TODAY • 2 FLOORS



SILVERBAY AIRPORT • TERMINAL 2

5,763

PASSENGERS SCREENED TODAY • 2 LEVELS

3

VENUES ON ONE MAP

292

CONNECTED DEVICES

1,647

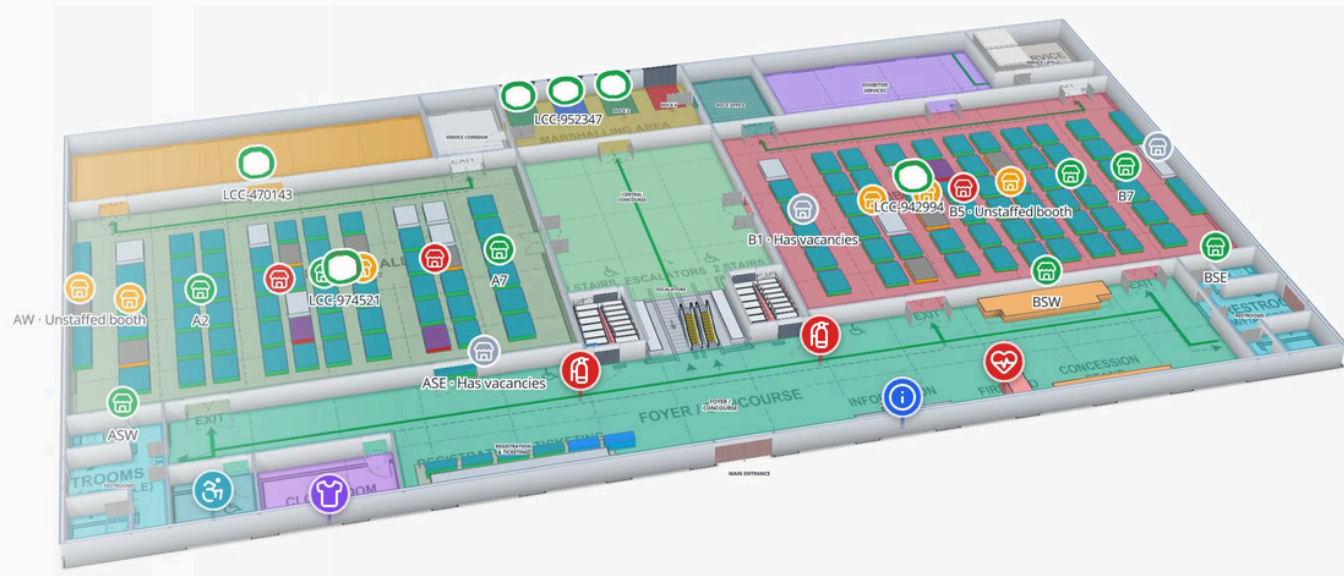
RFID TAGS TRACKED

03 - LIVE RFID PLAYBACK

Every crate, dock to booth, live.

📍 LAKESIDE CONVENTION CENTER • GROUND FLOOR

The twin is not a picture — it is live. Every RFID read moves its crate on the map, from the loading docks through marshalling to the booths, and the built-in history player replays any shift so you can see where freight waited or went astray.



- **Dock 4** **OUT OF SERVICE**
Dock leveller flagged on the dock and marshalling map.
- **Exhibitor Storage** **82% FULL**
Near capacity as empty crates come back from the halls.
- **Exhibition Hall B** **93% • CROWDED**
949 of 1,020 people in the hall right now.

516

RFID-TRACKED
CRATES • 18 H

1,679

RFID READS

98.0%

READ RATE

**Every room,
every session, live.**

Meeting rooms, auditorium seating and concourses are tinted by live occupancy. When a popular talk packs a room past capacity, it turns red on the map while the session is still running — so your team can open an overflow room or redirect the queue in time.

-
- UPPER CONCOURSE · 72% **RISING**
- PLENARY AUDITORIUM · CENTRE**
• FULL
98% · 305 / 314 SEATS
- West Wedge · 97%
Centre · 98%
East Wedge · 97%
- MR3 · MEETING ROOM**
• OVER CAPACITY
142 / 120 · 118%
- MR8 · MEETING ROOM**
• OVER CAPACITY
170 / 165 · 103%

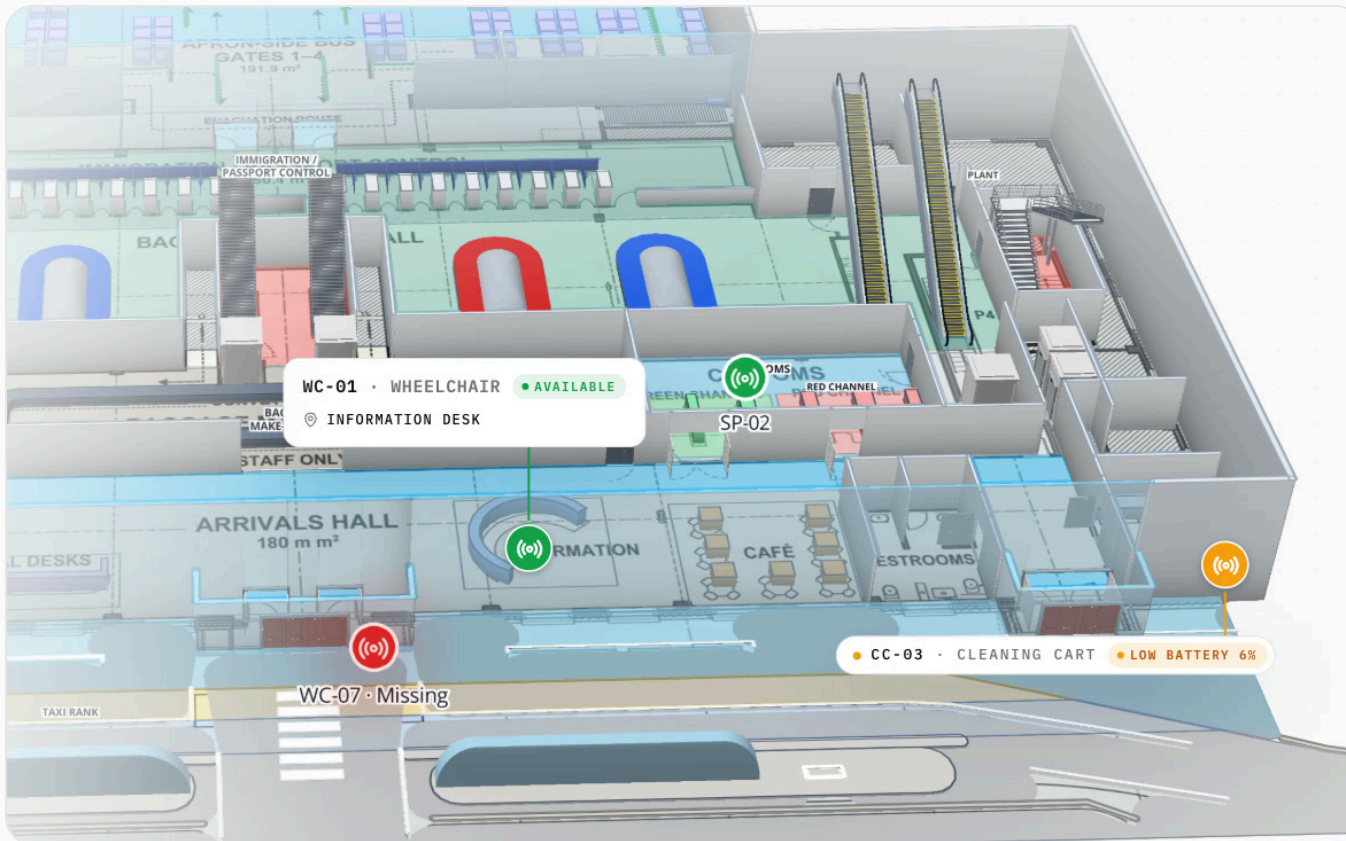
ROOMS OVER
CAPACITY

05 - FIND ANY ASSET

Every wheelchair, on the map.

SILVERBAY AIRPORT · TERMINAL 2 · ARRIVALS

Wheelchairs, cleaning carts, assistance teams and patrols carry BLE tags. Search any tag and the twin flies to it — so a loan wheelchair left at the kerb is found on the map, with its last-seen time and its trail to play back.



● **WC-07 · Loan wheelchair** **MISSING**
Kerbside pavement · not seen for 205 min.

● **WC-01 · Wheelchair** **AVAILABLE**
Ready at the information desk.

● **CC-03 · Cleaning cart** **LOW BATTERY · 6%**
In the staff room — flagged for a recharge.

20

BLE TAGS

8

WHEELCHAIRS
TRACKED

859

ZONE VISITS · 24 H

06 - ALERTS WITH LOCATION

A leak under kiosk C7, pinpointed.

📍 CROWN PARK STADIUM • LOWER CONCOURSE

Leak detectors, CO₂ sensors, crowd counters and kiosk queues all report to the same map. When a sensor alarms, the alert is pinned to the exact spot, so the right team walks straight to the floor drain instead of searching the concourse.

- **CPS-LK-01 • Leak detector** **ALARM • WATER DETECTED**
C7 kiosk floor drain, Lower Concourse.
- **CPS-AQ-03 • CO₂** **WARNING • 1,180 PPM**
Lower Concourse South • warning from 1,000 ppm.
- **Concession C7** **7 IN QUEUE**
1.8 min wait — the longest of the stadium's 25 kiosks.



31

STADIUM SENSORS

3

WARNINGS

1

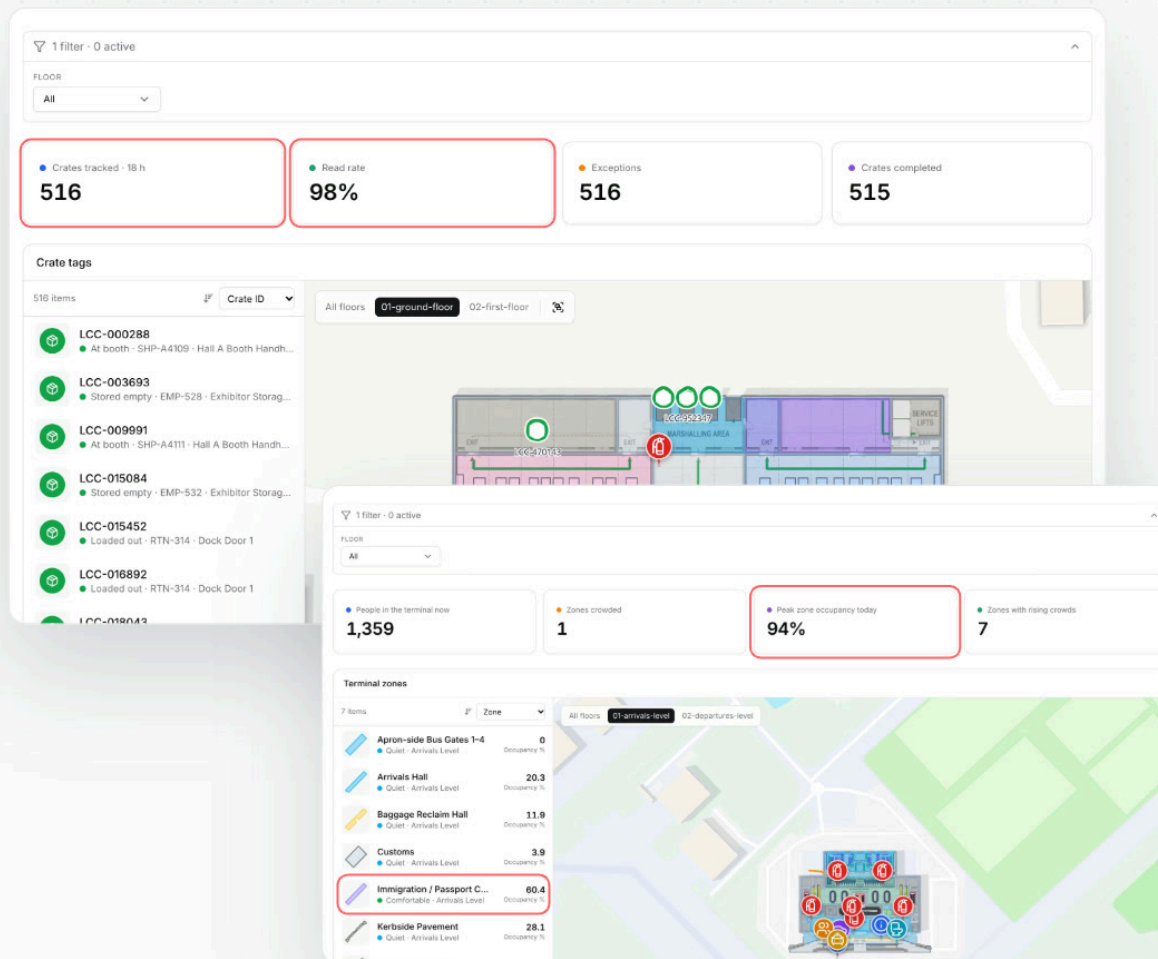
ALARM

07 - REPORTS, READY

Crates and crowds in one report.

Every map layer feeds reports your teams already use — built around your KPIs and ready from day one. Each report keeps its live map, so a number always leads back to the exact hall, gate or zone it comes from.

- RFID Crate Tracking — crates tracked, read rate and crates completed, crate by crate.
- Terminal Crowding — people in the terminal now, crowded and rising zones, peak occupancy.
- Crowd, queue, F&B and safety reports for every venue, each with its live map.



516

RFID CRATES • 18 H

98%

READ RATE

94%

PEAK ZONE
OCCUPANCY TODAY

08 — CONNECTED TECHNOLOGY

Connects what you already run.

New RFID, BLE and sensor networks sit alongside the equipment you already own. Your turnstiles, badge gates and people counters connect as they are — no rip-and-replace.

292

DEVICES ON ONE MAP

89.0% **1,647** **4,509**

ONLINE NOW RFID TAGS RFID READS



104

Sensors

CLIMATE, CO₂, DOOR, LEAK, SMOKE



60

BLE tags

WHEELCHAIRS, CARTS, PATROLS



38

Gateways

BLE • LORAWAN • MODBUS • LLRP



38

People counters

EXISTING • CROWN PARK



31

RFID readers

LLRP • 4 ANTENNAS EACH



21

Turnstiles & badge gates

EXISTING • 12 TURNSTILES, 9 GATES



Connects what you already run

59 existing devices — Lakeside's 9 badge gates and Crown Park's 38 people counters and 12 turnstile scanners — feed the same map as the new readers, tags and sensors.

PROTOCOLS

BLE 5.0

LoRaWAN

MQTT

LLRP

Modbus TCP

Zigbee

WHAT WE DELIVER

Built for your venue. Like no other.



Your venue, live in 3D

Every hall, gate and room as a real-time twin.



Every tag on one map

RFID, BLE, turnstiles and sensors — with full playback.



Alerts that show where

Leaks, faults and queues pinned to the exact spot.



Reports your teams use

Crowd, queue, F&B and safety reports, built in.



Built end-to-end for you

Designed, connected and run around your operation.

HOW WE WORK

1 Discover

We walk your sites with your teams and agree the questions the solution must answer.

2 Model

We build your buildings as a live 3D twin — every floor, room, rack and door, to scale.

3 Connect

We integrate the readers, sensors, cameras and systems you have, and add what is missing.

4 Configure

Alerts, playback and reports are set up around your workflows and KPIs.

5 Run & evolve

We support the solution and extend it as your operation changes.

LET'S MAP YOUR OPERATION

contact@spatialmap.io

spatialmap.io

Tell us about your sites — we design, build and run the solution around them.

