



Asset Management

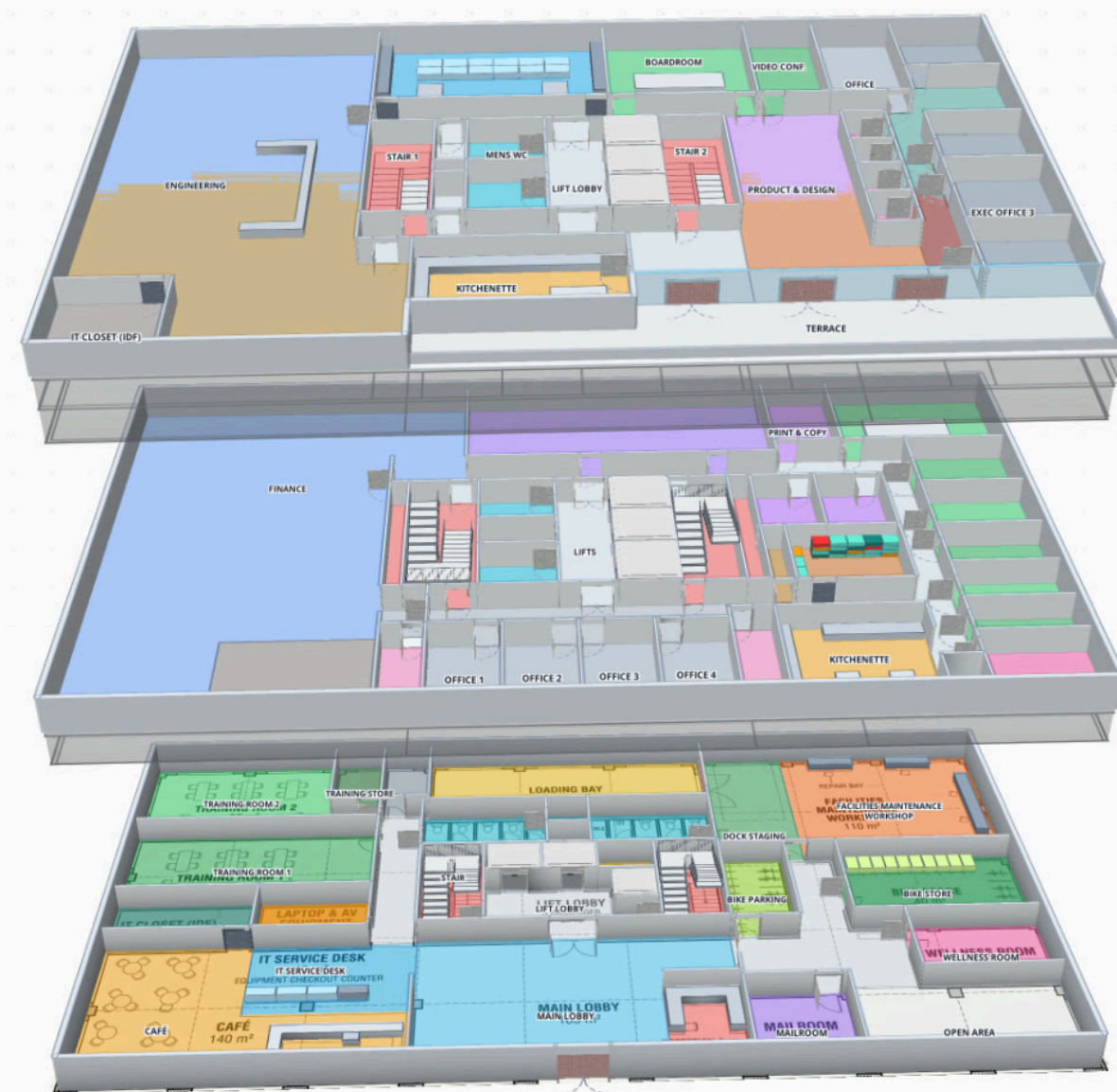
Know where every asset is,
and where it's going.

EVERY ASSET • EVERY DOOR • EVERY LOAN • LIVE

 HARBORVIEW CORPORATE CAMPUS

 RIDGELINE DATA CENTER

 WESTBROOK UNIVERSITY



01 — THE CHALLENGE

Kit walks out. Nobody sees it go.

Laptops, servers and lab instruments move between floors, cages, stores and labs every day. Registers, checkout desks, door readers and maintenance logs each hold one piece — so kit that leaves without a loan, or an instrument that cannot run, is only noticed when someone needs it.



01

Kit walks out unseen

Laptops and monitors leave the building with no loan open.

11

UNAUTHORISED EXITS IN 913 PORTAL READS • 7 DAYS



02

IT kit off the rack

Staged, spare and RMA hardware sits outside any cabinet.

\$247K

OF IT KIT OUTSIDE A CABINET • 32 ASSETS



03

Costly instruments sit idle

Broken or uncalibrated instruments still get booked.

\$1.2M

OF INSTRUMENTS DOWN OR UNCALIBRATED

AT A GLANCE

3

SITES

6

FLOORS MODELLED

796

REGISTERED ASSETS

32

RFID READERS

600

CONNECTED DEVICES

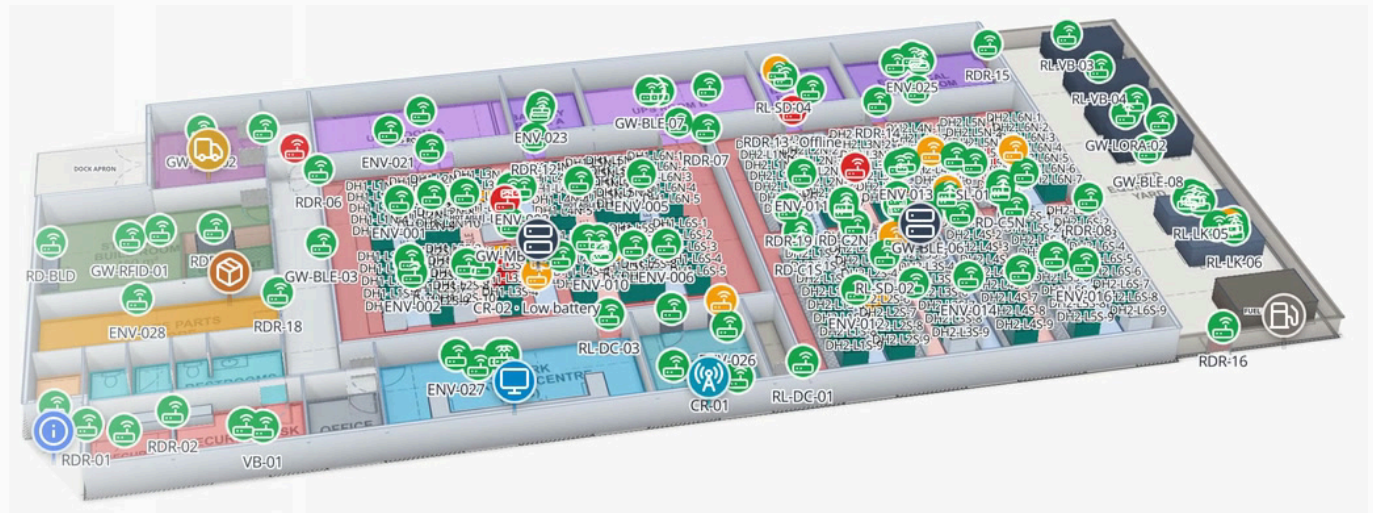
**Every asset,
moving, live.**

We model every site to scale in 3D, and every RFID read moves its asset on the map. The built-in history player replays any shift — here, spares, installs and decommissions moving through Ridgeline's data halls, cages and loading dock. Three sites, one live map:

Corporate IT and AV · 238 tagged assets, checkout desks and stores.

Data halls, cages and dock · 495 assets · \$2,231,075 of hardware.

Science labs · 63 instruments worth \$2,291,300.



REGISTERED ASSETS

CONNECTED DEVICES

RFID READ RATE

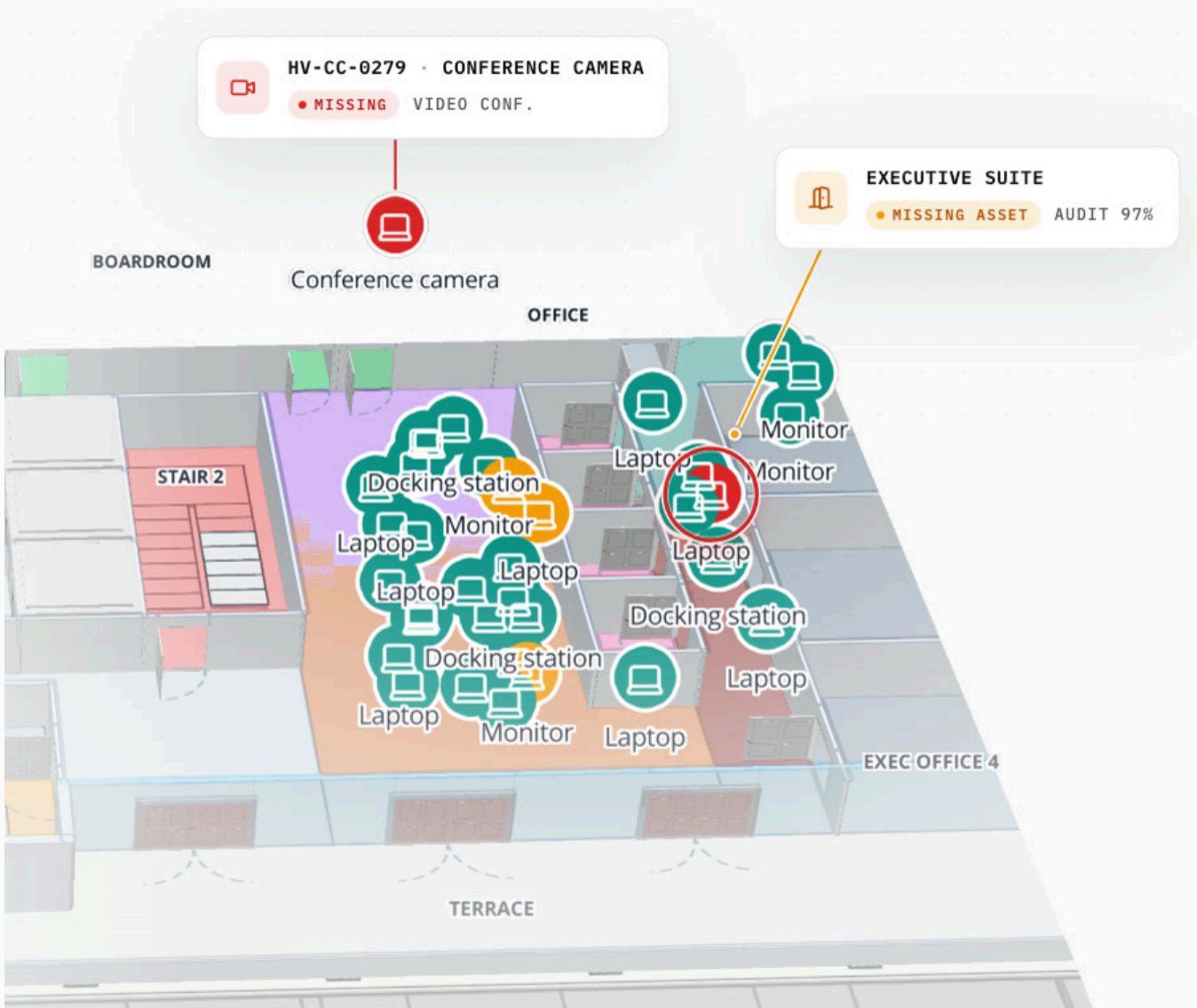
03 - ASSET REGISTER

Any asset, found in seconds.

HARBORVIEW CORPORATE CAMPUS • SECOND FLOOR

Search any asset tag and the twin flies to where it was last read. Here a missing laptop is traced to the Executive Suite, a missing conference camera is pinned beside it, and every department is tinted by its register status.

- **HV-LT-0247 • Laptop** **MISSING**
Executive Suite • last read at Stair 1 (Second).
- **HV-CC-0279 • Conference camera** **MISSING**
Pinned in Video Conf. on the same floor.
- **Executive Suite** **MISSING ASSET**
Department flagged • audit compliance at 97%.



238

TAGGED ASSETS

184

IN USE

3

MISSING

Every loan and exit, on record.

RFID portals at the lobby gates, checkout stations and stores record every move. A laptop that leaves without a loan, a checkout reader that starts failing or a store running low is flagged at the exact gate, desk or shelf.

- Read leaving through the lobby security gates.

- The reader fault behind 2 manual checkouts.

- A stock line has dropped below its minimum.

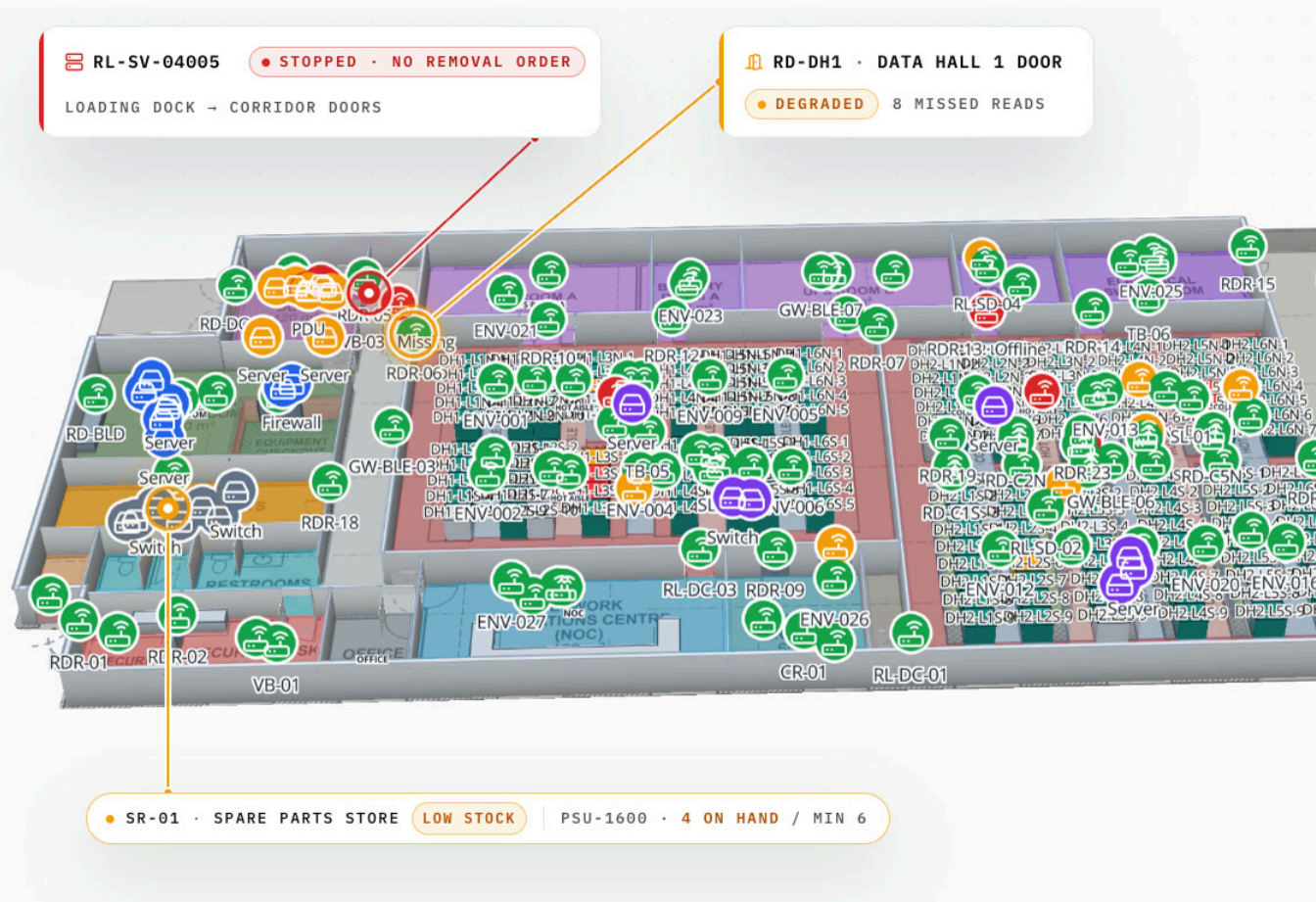


05 - RFID AT EVERY DOOR

No removal order? It doesn't leave.

📍 RIDGELINE DATA CENTER · DATA HALLS & DOCK

RFID readers on cage gates, hall doors and the loading dock follow every server, spare and decommission. Hardware with no removal order is stopped at the door, and a reader that starts missing reads is caught before it hides a loss.



- **RL-SV-04005** • Server • NO REMOVAL ORDER
Stopped at the loading dock → corridor doors.
- **RD-DH1** • Data Hall 1 door • DEGRADED
8 missed reads trace back to this reader.
- **SR-01** • Spare parts store • LOW STOCK
PSU-1600 · 4 on hand against a minimum of 6.

1,115

RFID READS · 24 H

99.3%

READ RATE

324

TAGGED ITEMS

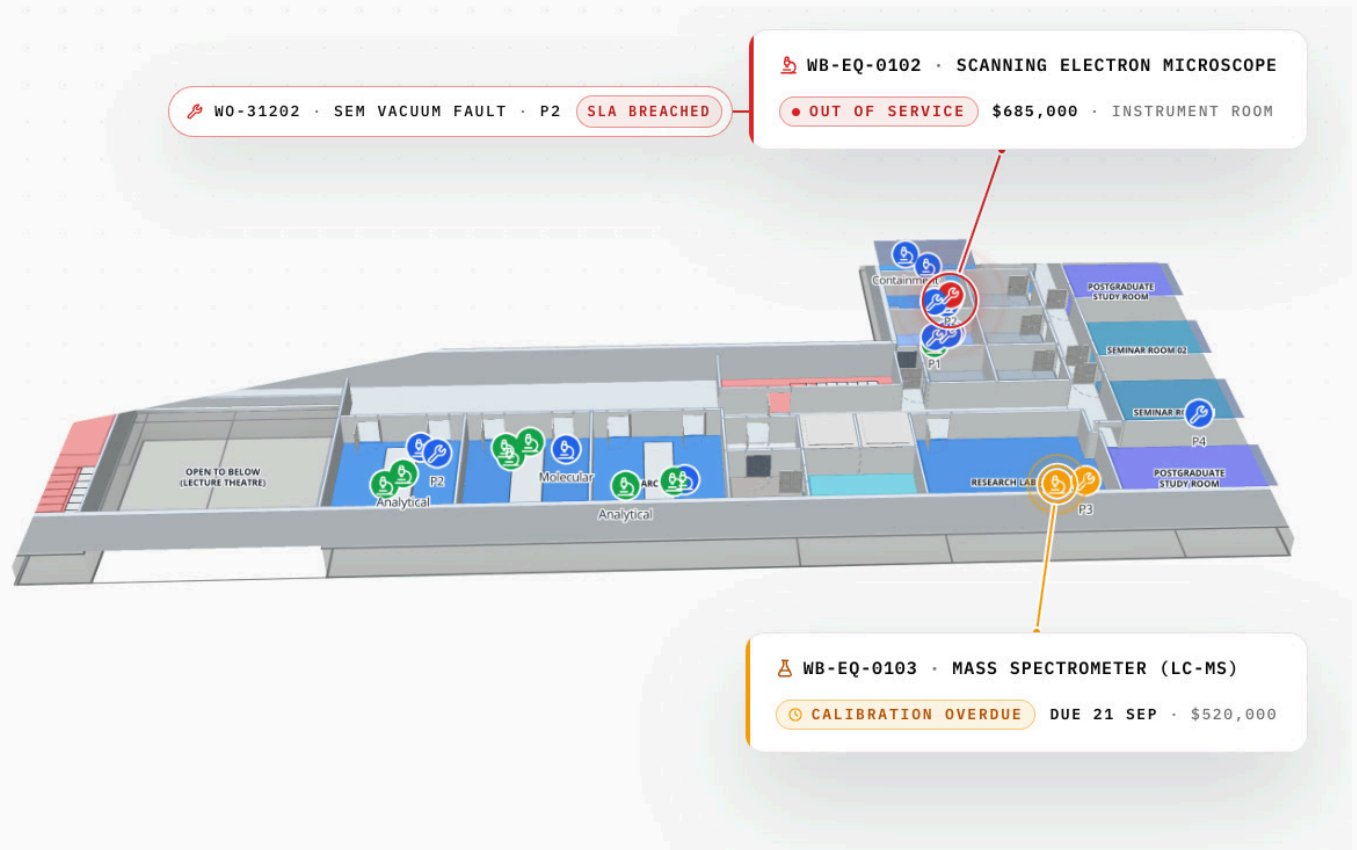
06 — MAINTENANCE & CALIBRATION

Which instruments can't run today.

WESTBROOK UNIVERSITY • FIRST FLOOR

Instruments, bookings and work orders share one map. An out-of-service microscope, its overdue repair and a mass spectrometer past calibration are pinned to the rooms they sit in — before anyone books time on them.

- **WB-EQ-0102** **OUT OF SERVICE**
Scanning electron microscope · \$685,000 · Instrument Room.
- **WO-31202** · **P2** **SLA BREACHED**
SEM vacuum fault · the repair is past its SLA.
- **WB-EQ-0103** **CALIBRATION OVERDUE**
LC-MS mass spectrometer · due 21 Sep · \$520,000.



63

INSTRUMENTS ·
\$2,291,300

16

OPEN WORK ORDERS

3

BOOKINGS ON DOWN
INSTRUMENTS

07 — REPORTS, READY

Registers and labs in one report.

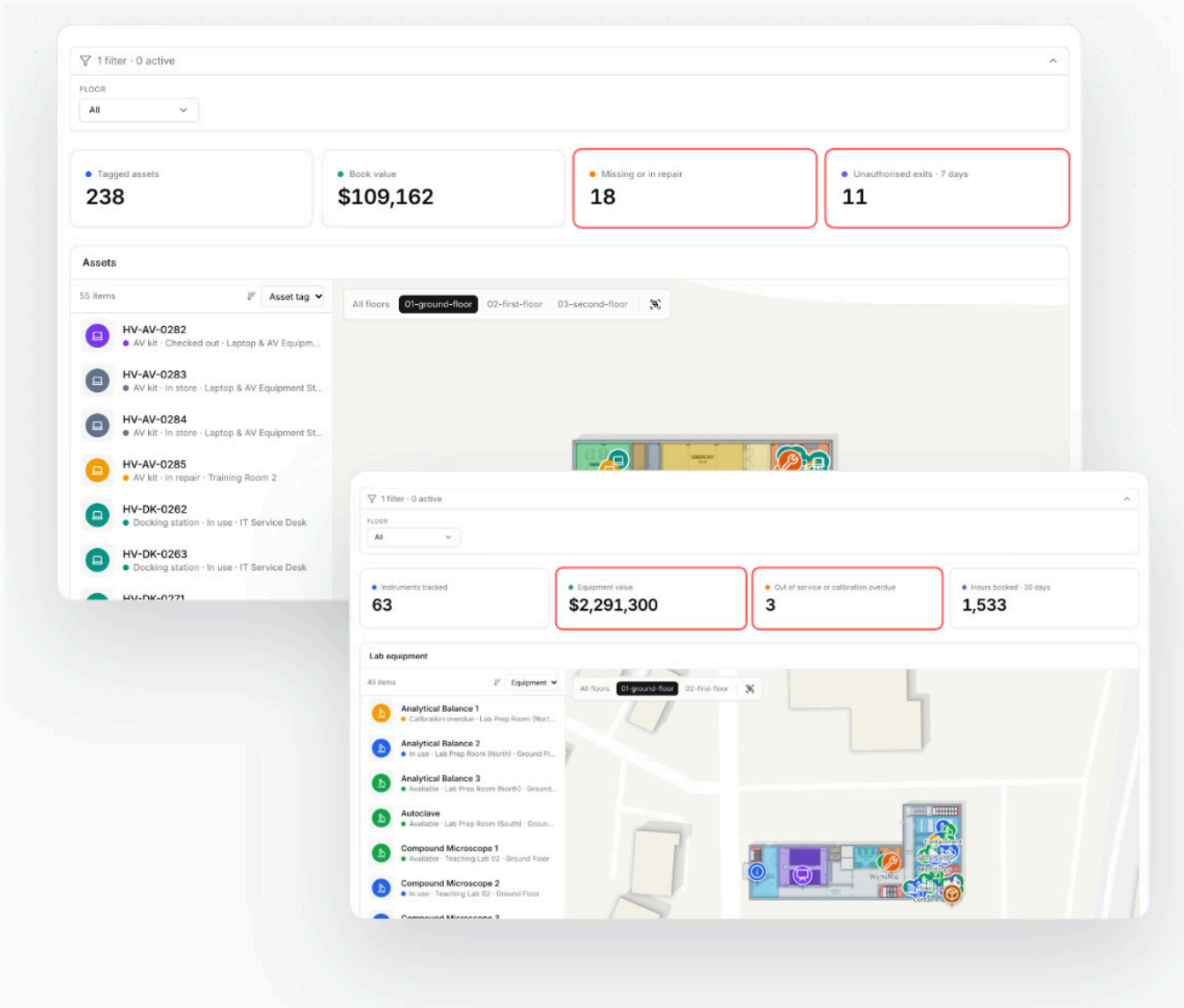
Every map layer feeds reports your teams already use — built around your KPIs and ready from day one. Each report keeps its live map, so a number always leads back to the exact floor, room or store it comes from.

- Asset register — tagged assets, book value, kit missing or in repair, unauthorised exits.
- Lab equipment — instruments tracked, equipment value, down or overdue, hours booked.
- Exceptions stand out — kit missing or in repair, exits without a loan, down instruments.

18
MISSING OR IN
REPAIR

1,533
LAB HOURS BOOKED -
30 DAYS

\$109,162
BOOK VALUE -
HARBORVIEW



08 — CONNECTED TECHNOLOGY

Connects what you already run.

New RFID portals, BLE tags and sensors sit alongside the equipment you already own. IT devices, printers, card readers and lab monitors are connected as they are — no rip-and-replace.

600

DEVICES ON ONE MAP

98.3%

RFID READ RATE

796

REGISTERED ASSETS

6

FLOORS • 3 SITES



112

Sensors

LORAWAN, MODBUS TCP, MQTT, ZIGBEE



50

BLE tags

BLE 5.0 • ACROSS ALL THREE SITES



46

Card & access readers

EXISTING • OSDP



41

Gateways

BLE • LORAWAN • MODBUS • LLRP



37

IT devices & printers

EXISTING • SNMP / POE



32

RFID readers

LLRP • GATES, DOORS, CHECKOUT



Connects what you already run

37 IT devices and printers, 46 card and access readers and the sites' environment and lab monitors feed the same map as the new readers, tags and sensors.

PROTOCOLS

RFID UHF

LoRaWAN

BLE 5.0

LLRP

Modbus TCP

OSDP

SNMP

WHAT WE DELIVER

Built for your estate. Like no other.



Your buildings in live 3D

A browser twin of every floor, store and cage.



Every tag on one map

RFID portals, BLE tags and sensors — with full playback.



Alerts that show where

Missing, unregistered or overdue kit pinned to its room.



Reports your teams use

Register, checkout, stores and maintenance, built for you.



Built end-to-end for you

We integrate your readers, register and workflows.

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.

