



SILOS TO SINGLE VIEW

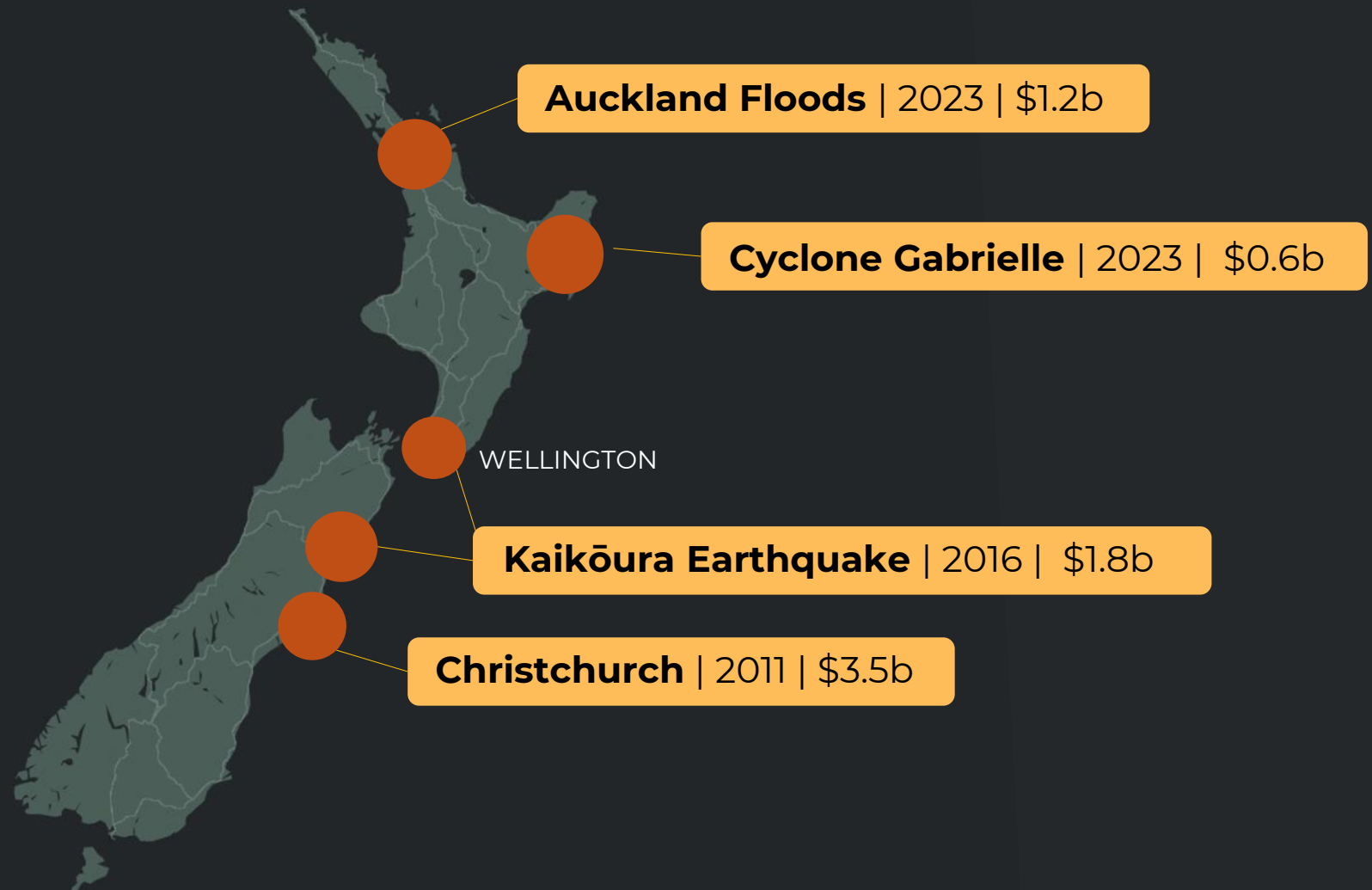
HOW **DATA-SHARING** CAN SUPPORT
**NATIONAL LIFELINE AND
INFRASTRUCTURE RESILIENCE**



SUPPORTED BY
OPEN PLAN

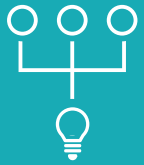


CONSTANT STATE OF RESPONSE AND RECOVERY



SHARING DATA HELPS COORDINATION

KEY BENEFITS



You can share direct from your existing systems



Seamless collaboration within and across organisations



Better sequencing of programmes means less rework



Reduced traffic disruption to the road user



Integrated view of planned activity on the network



Better communications about upcoming works



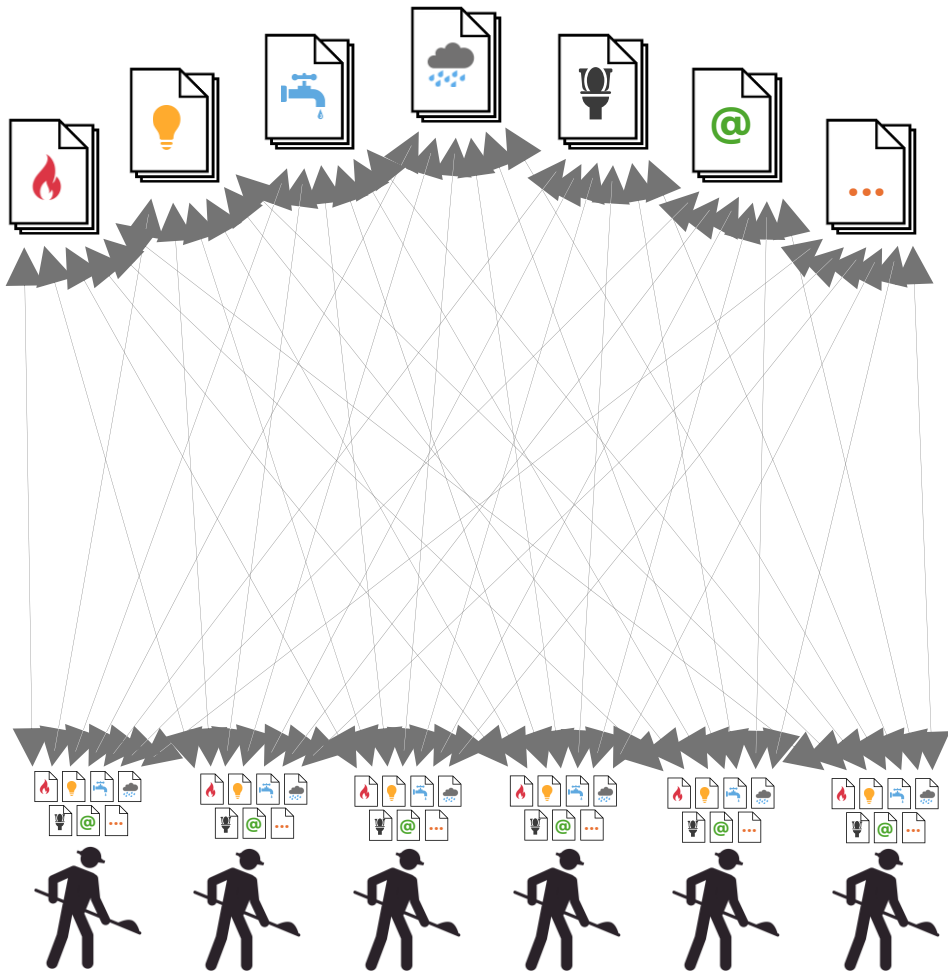
Grows in value with each new participant and user



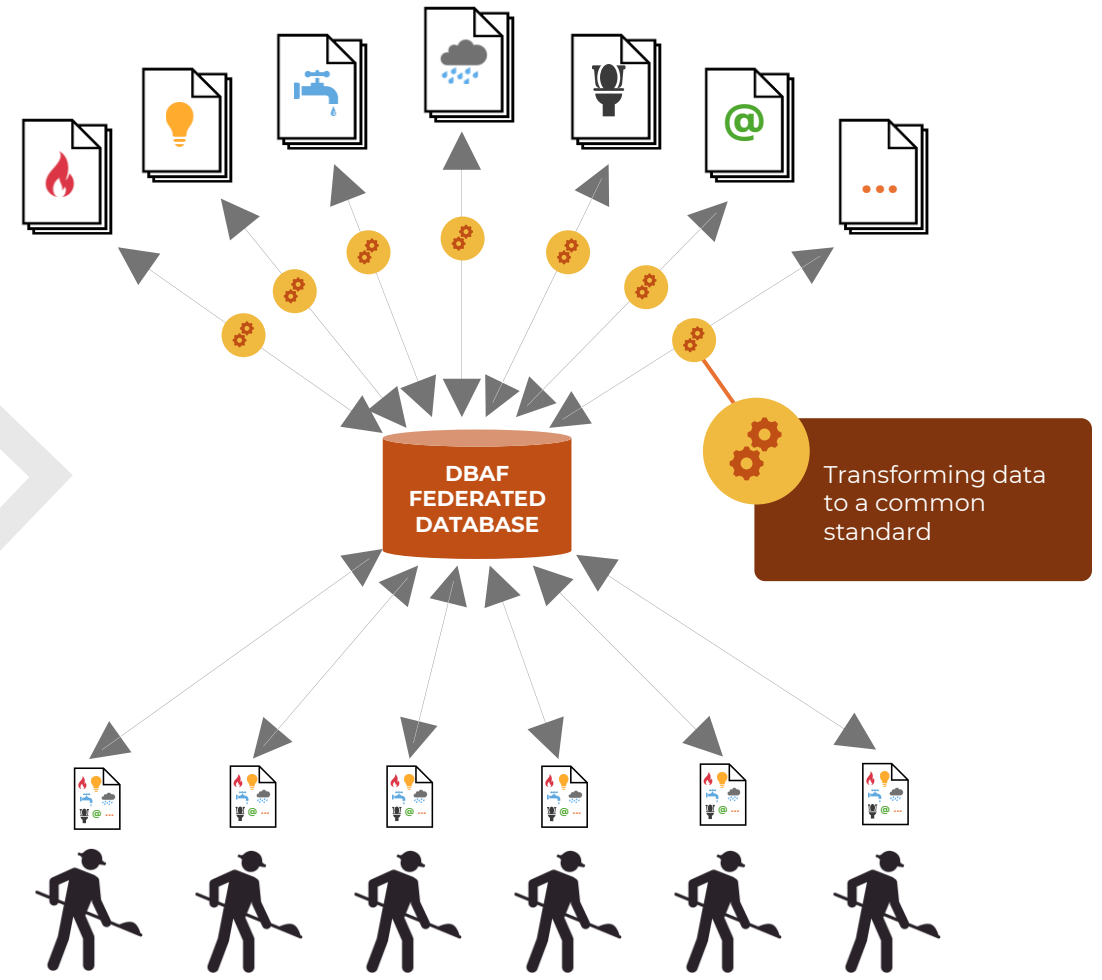
Moves conversation from reactive to strategic



Meet legislative requirements



CURRENT STATE



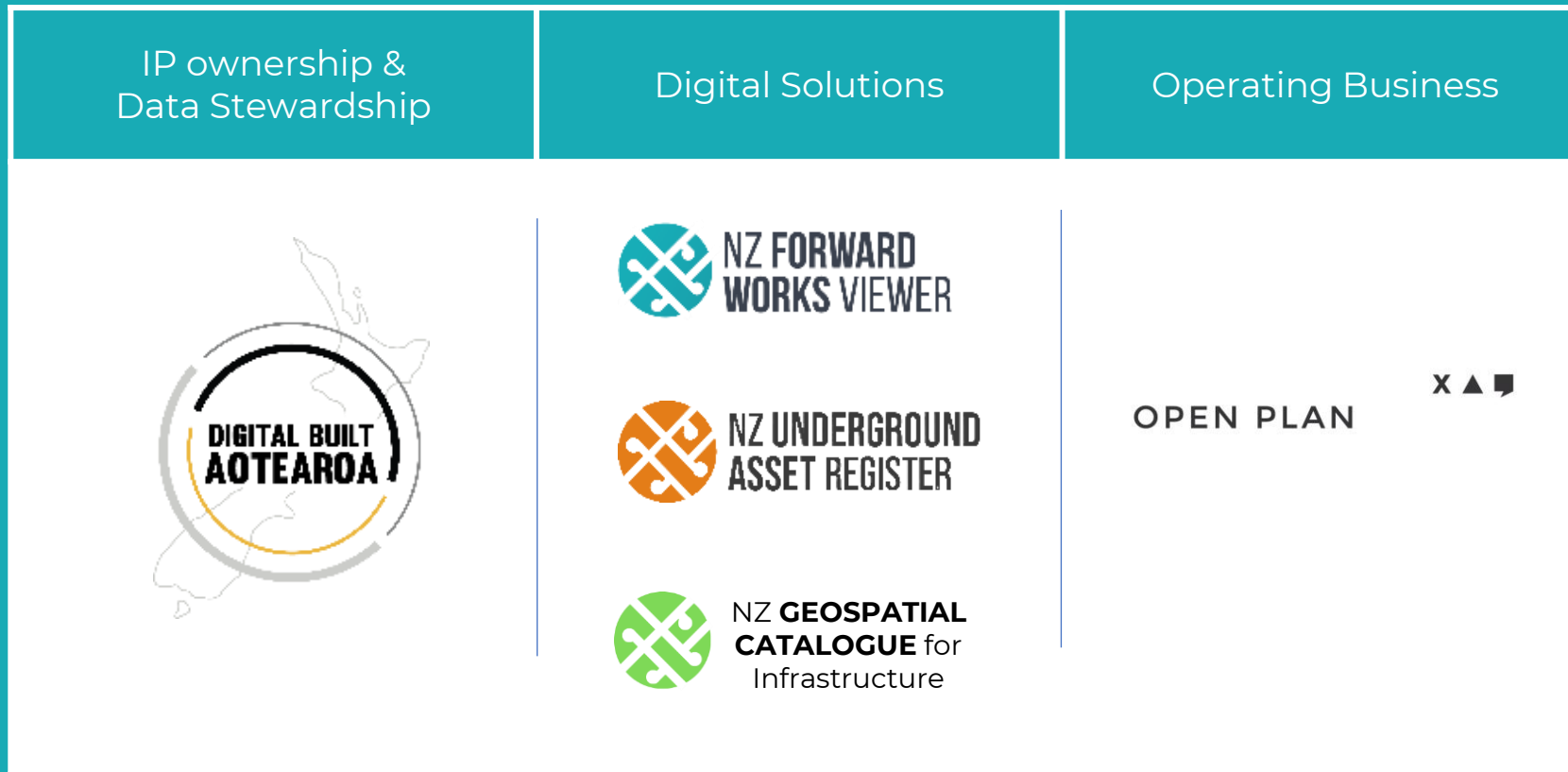
FUTURE STATE



OUR CHARITABLE PURPOSE

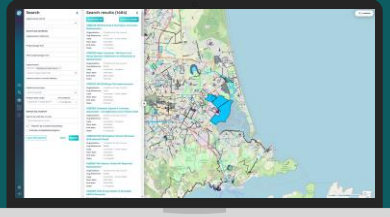

We're on a mission to encourage collaboration & knowledge-sharing to build infrastructure resilience throughout Aotearoa

THE PUBLIC GOOD MODEL



Change of mindset to one of open data stewardship in a neutral (charitable) entity

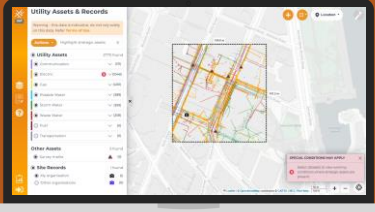

Our wheelhouse...



NATIONAL FORWARD WORKS VIEWER

Coordinating work
Who's working where, when?

forwardworks.org.nz





NZ UNDERGROUND ASSET REGISTER

What's underground?
Where are lifelines and assets located?

nzuar.org



IN DEVELOPMENT



GEOSPATIAL CATALOGUE

What else is around?
Supporting data to show context and risks around my projects or assets.

IN DEVELOPMENT



FEDERATED POWER OUTAGE PILOT

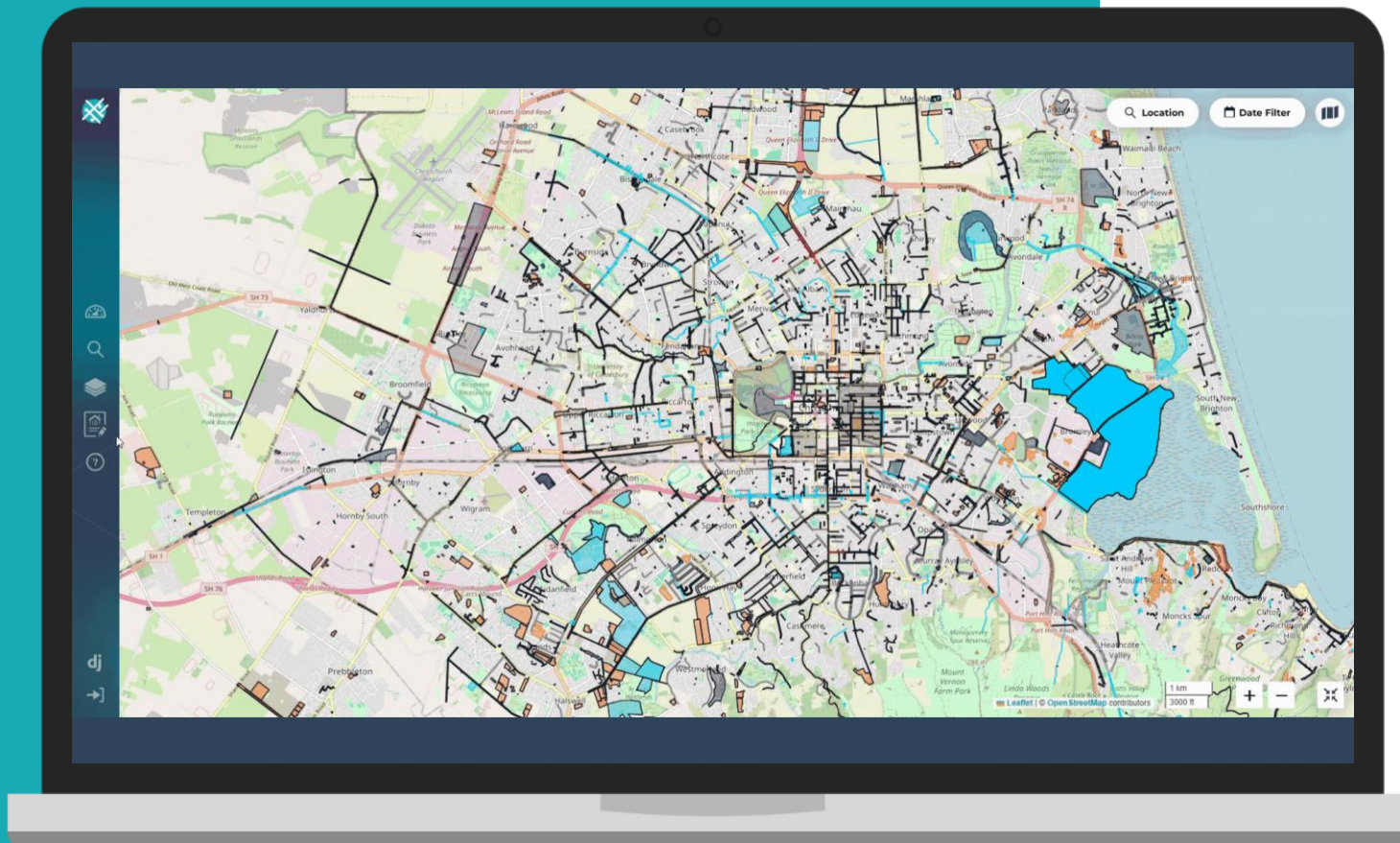
Where are the blackouts?
Partnering with NEMA to develop a national view of power outages.

AN EMERGING ECOSYSTEM OF OPEN, FEDERATED, GEOSPATIAL TOOLS

The National Forward Works Viewer



A mapped repository, with hundreds of stakeholders' planned infrastructure projects, showing the who, what, where and when



Check for clashes with other projects

UAT Search Search results in area

WW Kahu Straven Renewal

Summary

Project summary

Organisation	Christchurch City Council
Org reference	77864
Type	Horizontal Construction
Infrastructure State	Three Waters Planned

Start date 31/01/2026
End date 29/06/2027

Details
No Details

Transport impacts
No impacts

Parul Sharma
039418999
Parul.Sharma@ccc.govt.nz

Last updated 15/09/2025 10:45
FWV project ID 2006089
Project visibility All FVV users

4 2 No data

Clashes (4)

Your project **WW Kahu Straven Renewal** is clashing with **4** project(s).

Project name Carriageway: TITOKI ST
Organisation Christchurch City Council
Start date 01/10/2025
End date 30/06/2026

[View project](#)

Project name WS Mains Piko, Hanrahan, Kaiwara, Glandovey, Kirk, Waterloo, Main South & Others Renewals
Organisation Christchurch City Council
Start date 30/06/2026
End date 29/06/2027

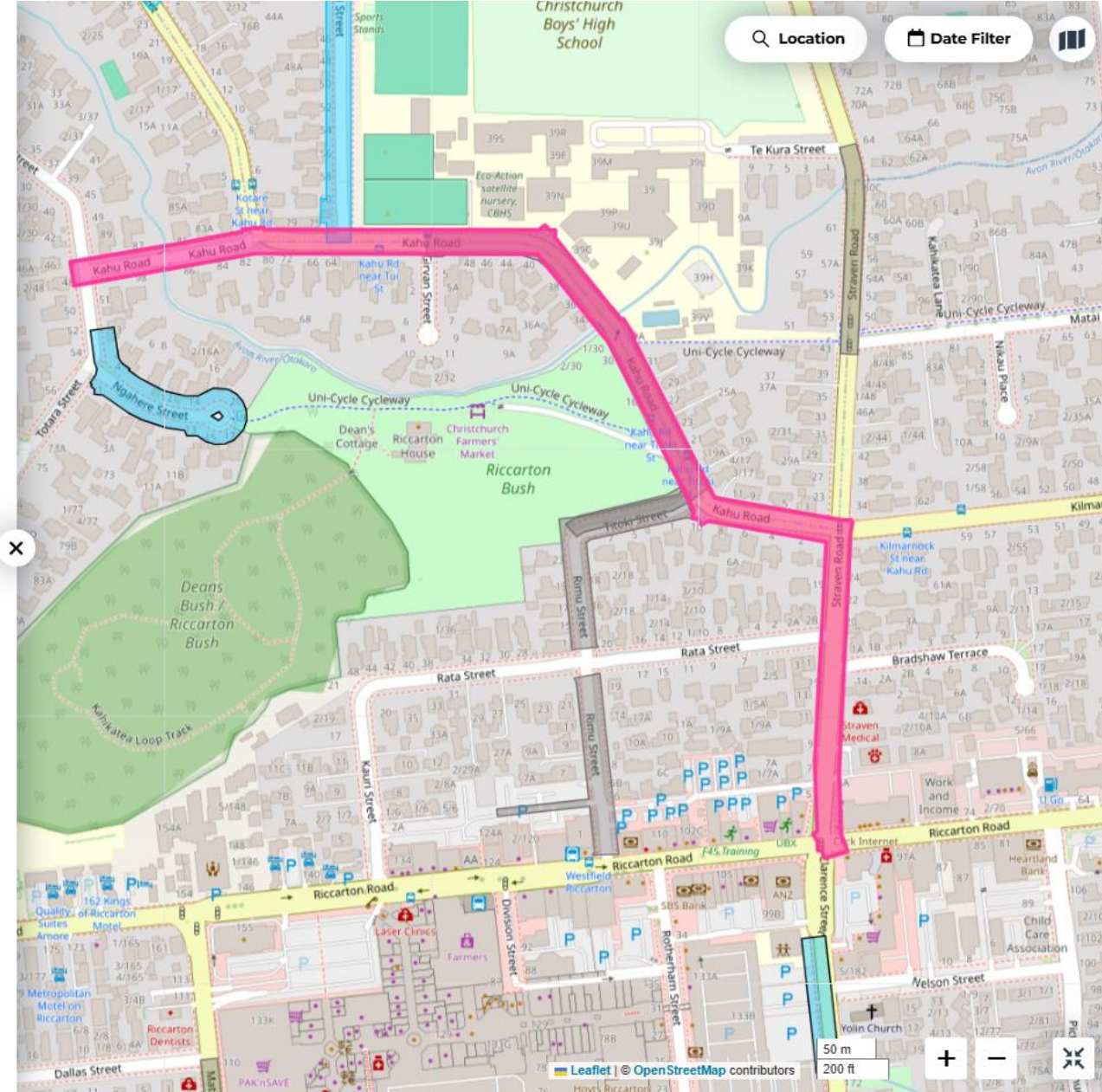
[View project](#)

Project name Cycle Connections - Uni-Cycle
Organisation Christchurch City Council
Start date 30/06/2027
End date 29/06/2029

[View project](#)

Project name 11kV and 400V Switchgear Replacement FY26 Prep This Job is a placeholder for forward works
Organisation Orion
Start date 01/07/2025
End date 30/06/2028

[View project](#)



Contextual data on the map

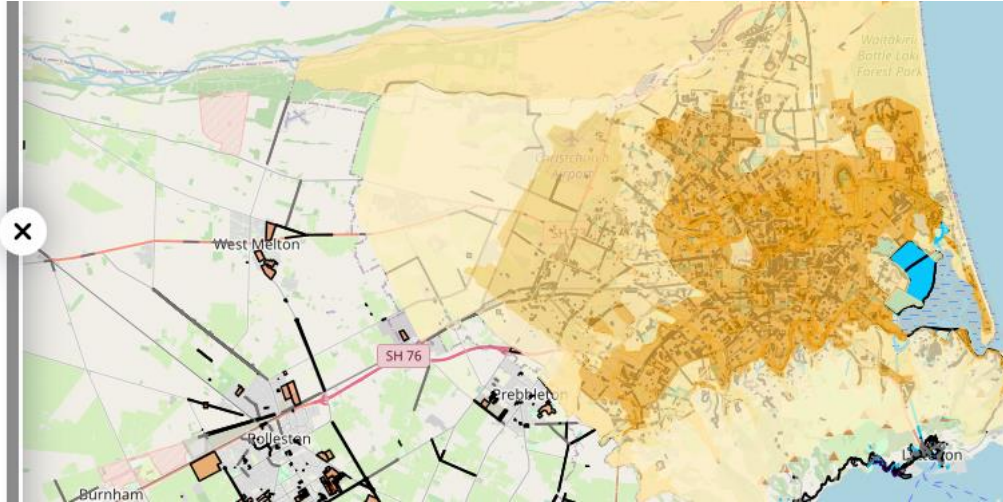
Contextual layers

National

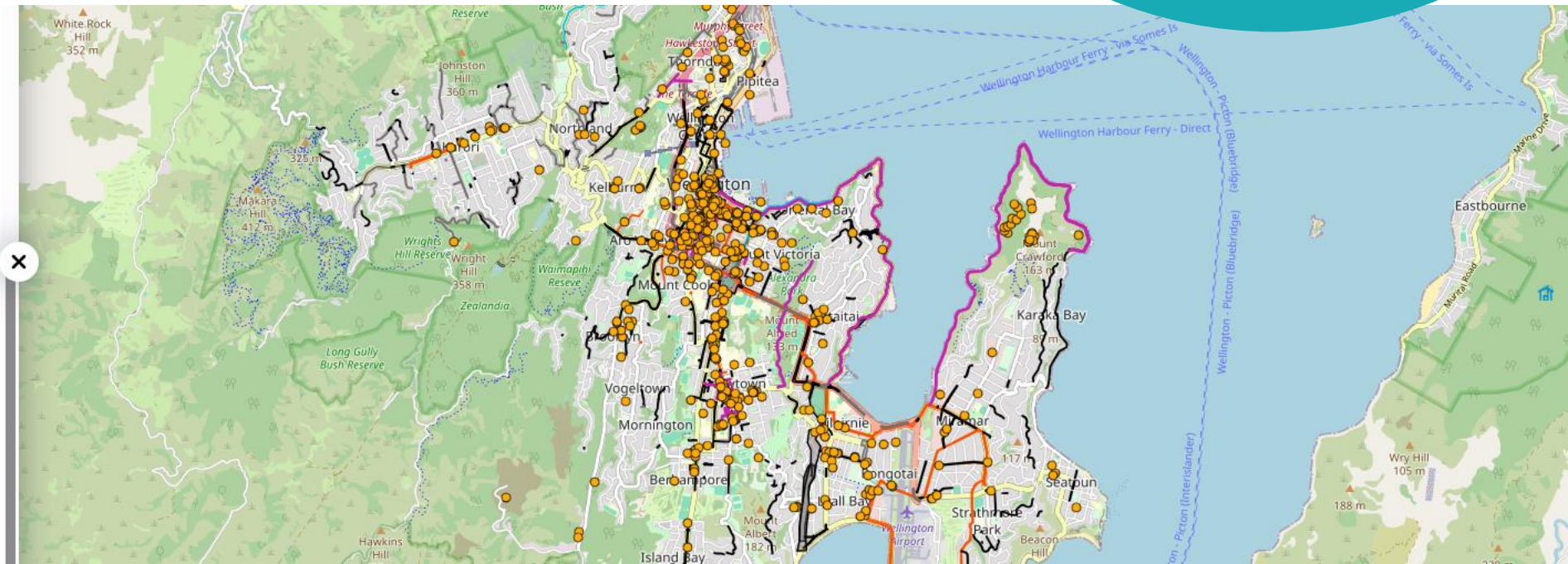
Auckland

Christchurch

- Soft ground
- DP Heritage Items
- DP Tree protection
- Liquefaction vulnerability 2017
- Coastal erosion hazard
- Tsunami evacuation route
- CCC roading contract area



- Key Native Ecosystems
- Footpaths
- Carriageway
- Christmas Brownout
- Contract Areas
- Critical Routes
- District Plan Māori Sites
- Heavy Vehicle Routes
- Onstreet Parking
- Parking Spaces
- Road Category
- Strategic Corridors
- Street Events/Closures
- Kerbs
- MBIE Earthquake Prone Buildings
- Notable Trees



For example:

- Archaeology
- Liquefaction zones
- Earthquake-prone buildings
- +++++

Transport Disruption Assessment

Station Rd Maurice Rd intersection pedestrian improvements

Summary

Project summary

Edit

Organisation Auckland Transport
Org reference 20101200
Type Horizontal Construction
Infrastructure Transport
State In Progress

Start date 03/07/2025
End date 27/04/2028

Details
Pedestrian improvements at intersection of Station Rd and Maurice Rd

Transport impacts
No impacts

Contact
Dinesh
09
@at.govt.nz

First published 13/10/2025 11:20
Last updated 15/12/2025 08:51
FWV project ID 2035560
Project visibility All FWV users

6 1 5

Zoom to project

Transport Disruption Assessment

These are the transport network layers that your project intersects with, as determined by the RCA region.

Your project **Station Rd Maurice Rd intersection pedestrian improvements** is intersecting with **5** transport data layers

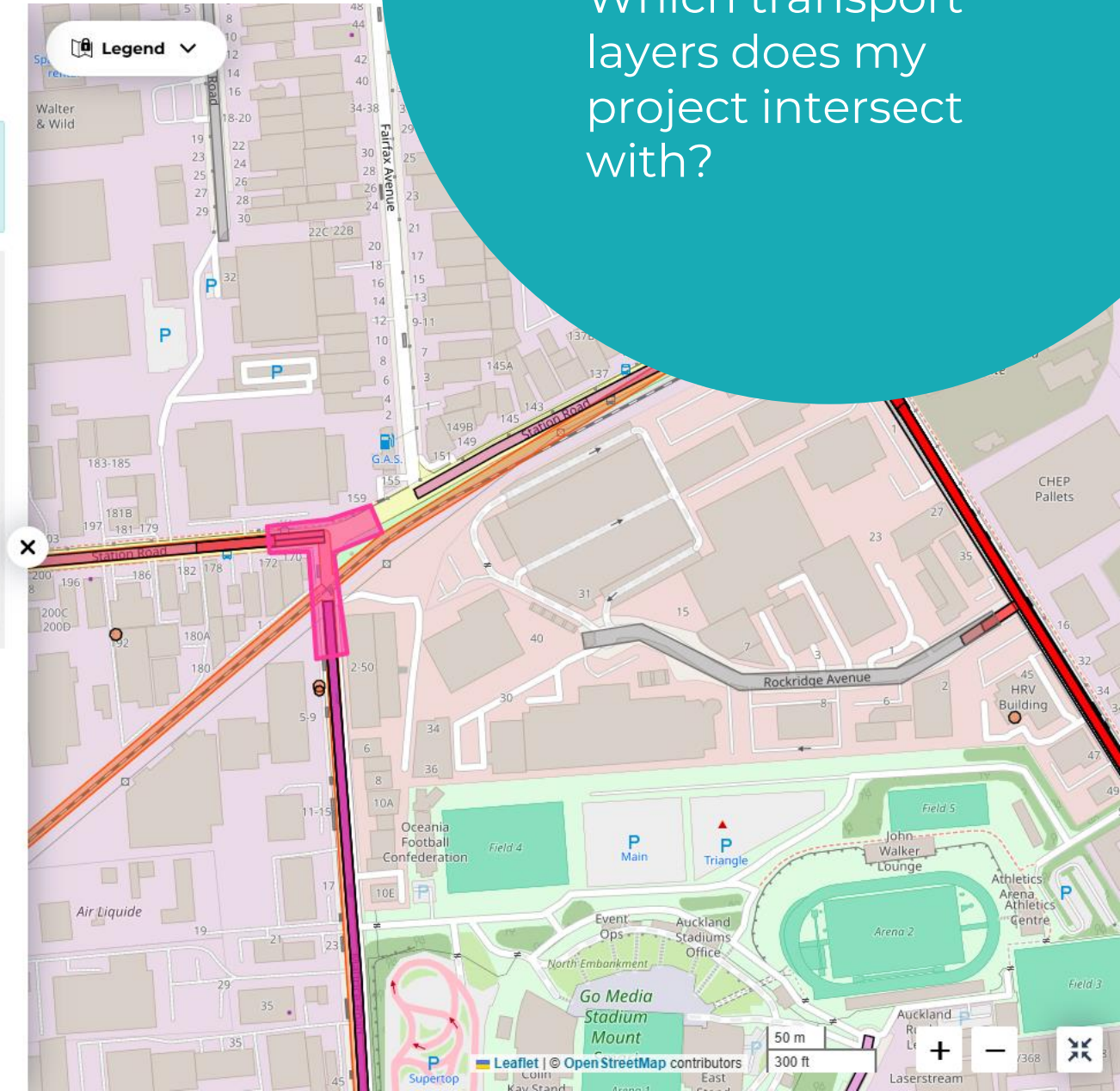
Arterial Routes

Overweight Routes

Bus Stops

Bus Routes

School Bus Routes

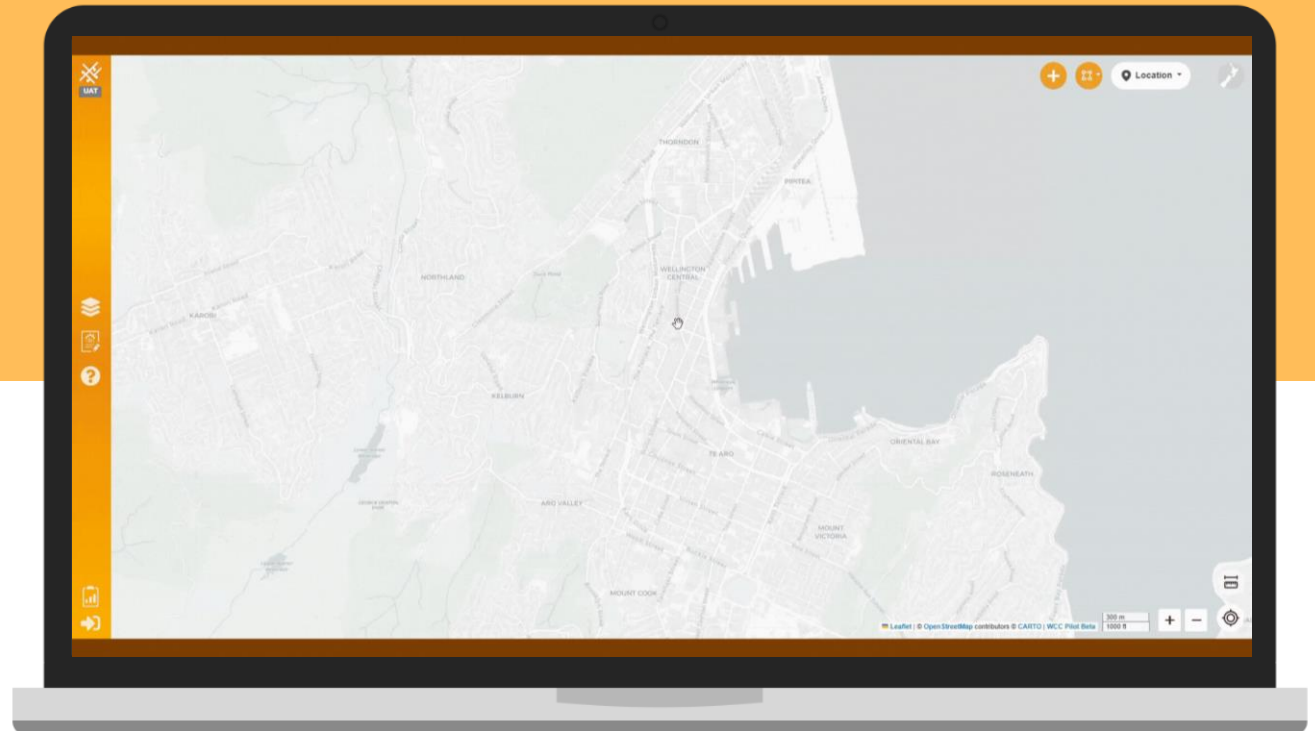


Which transport layers does my project intersect with?

The Underground Asset Register



An easily accessible map of
New Zealand's underground
lifelines data and taonga –
available 24/7



Contractors draw an 'area of interest' **before** they dig



Utility Assets & Records

Warning - this data is indicative, do not rely solely on this data. Refer [Terms of Use](#)

Actions Highlight strategic assets

Utility Assets 267 found

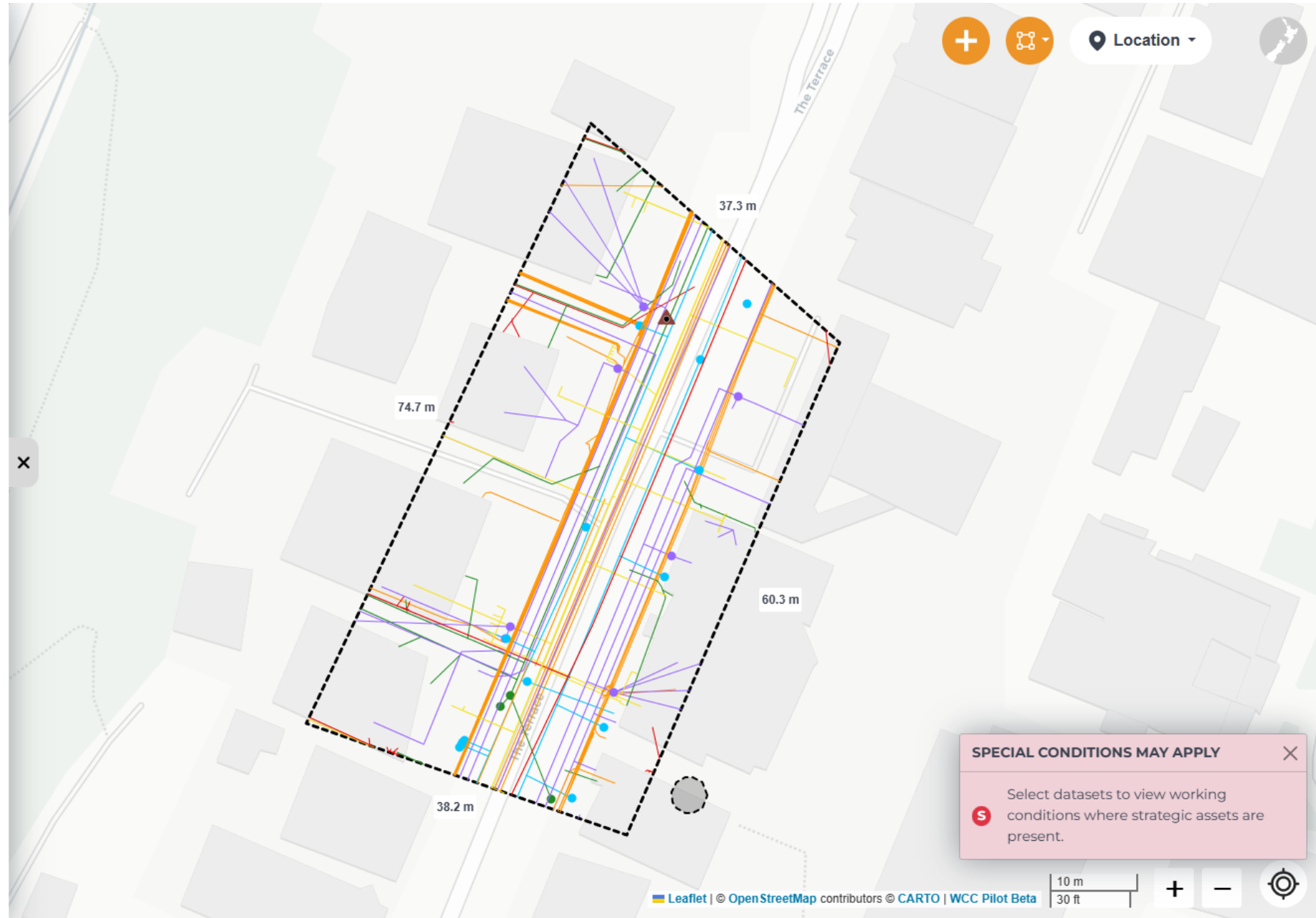
- Communication (66)
- Electric **S** (57)
- Gas (50)
- Potable Water (32)
- Storm Water (37)
- Waste Water (24)
- Fuel (0)
- Transportation (0)

Other Assets 1 found

- Survey marks (1)

Site Records No records found

- My organisation (0)
- Other organisations (0)



SPECIAL CONDITIONS MAY APPLY

Select datasets to view working conditions where strategic assets are present.

Site records help future work (**reduce utility strikes**)

UAT

My Records >>

Record Details <<

Actions

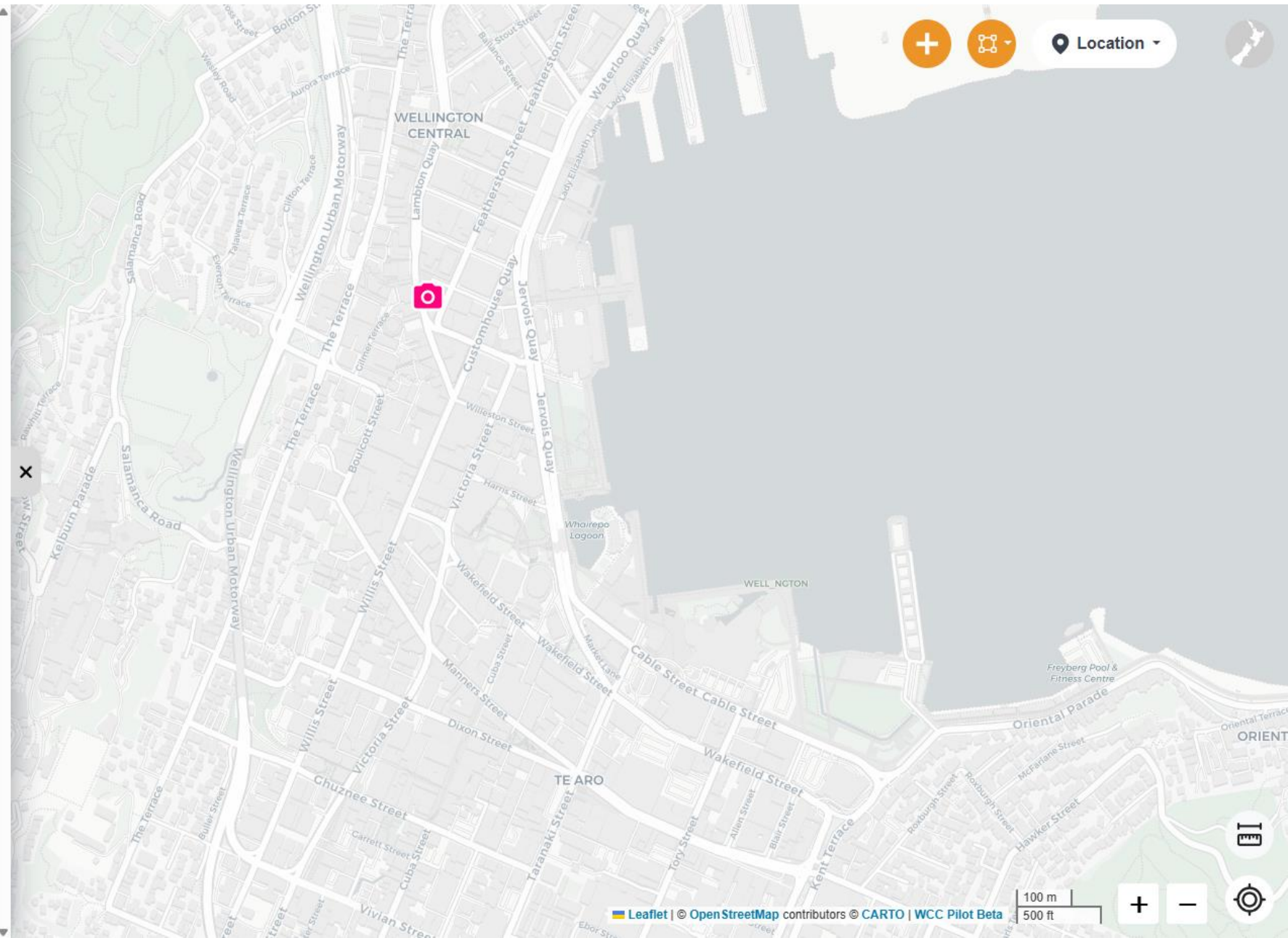

Description

Date 07/01/2025

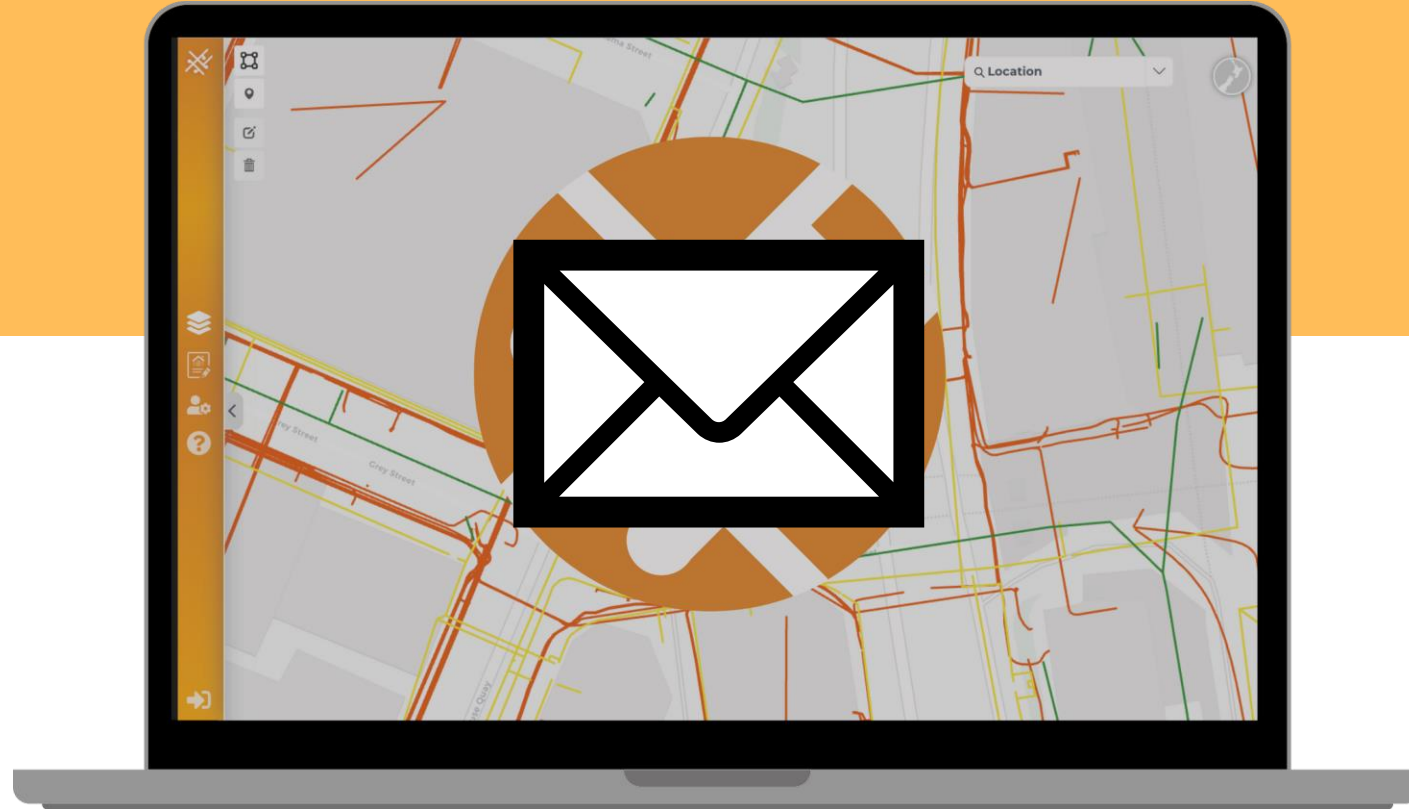
Contact details

- Anthony Randell
- 028 8516 3052
- anthony@openplan.co.nz

Image Gallery



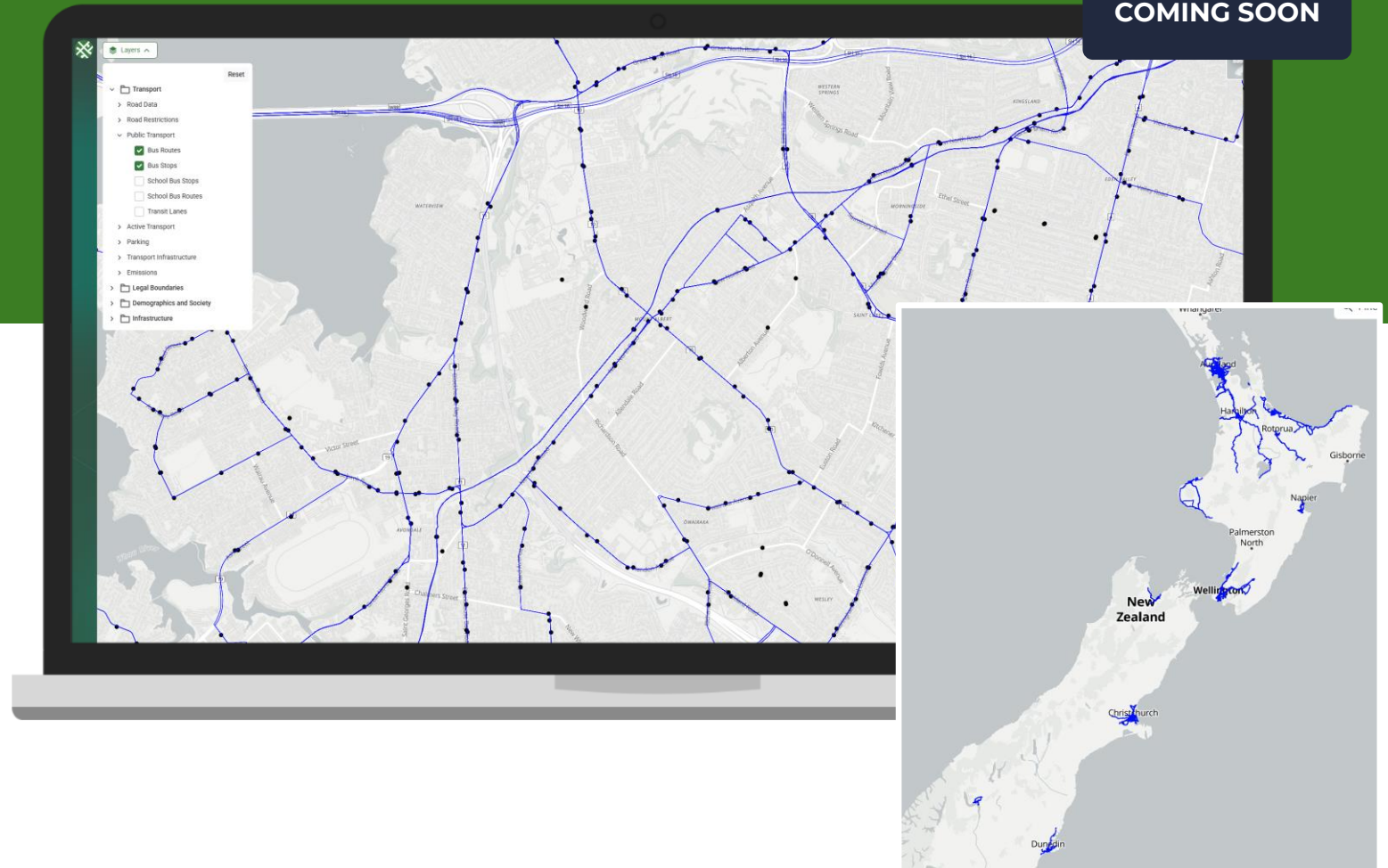
Notifications and requests (coming soon)



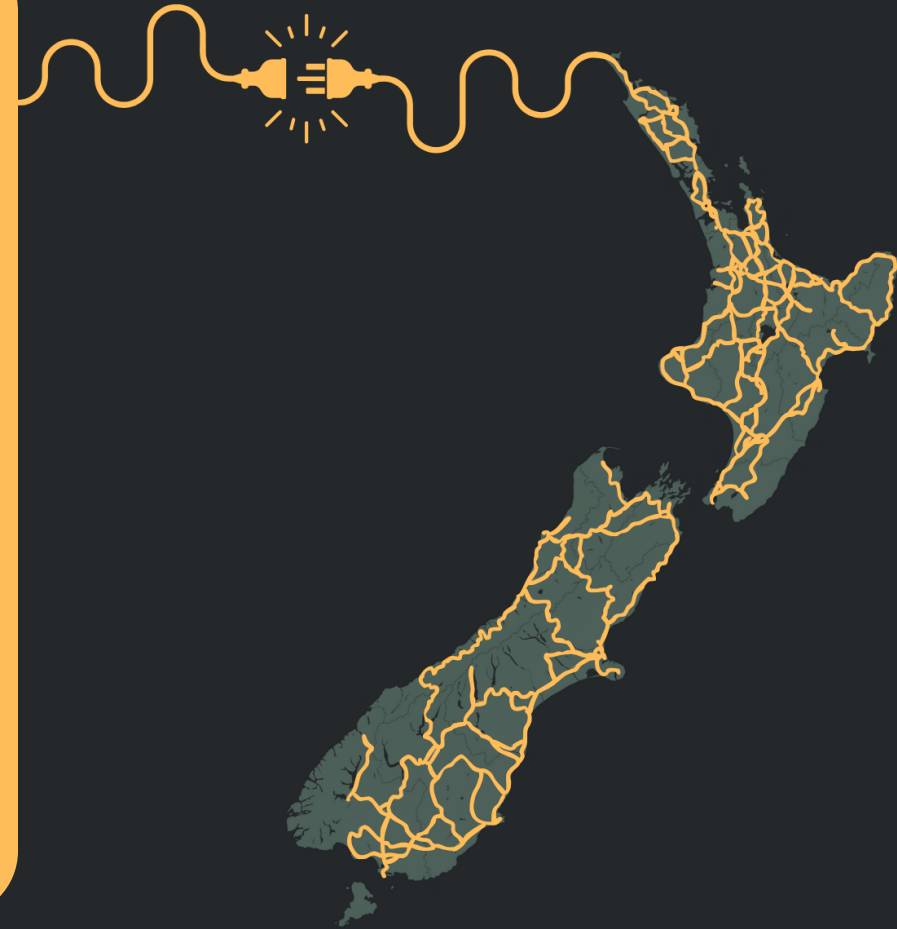
Geospatial catalogue



Supporting data to show context and risks around my projects or assets.



NATIONAL FEDERATED POWER OUTAGE MAP



SUPPORTED BY
OPEN PLAN



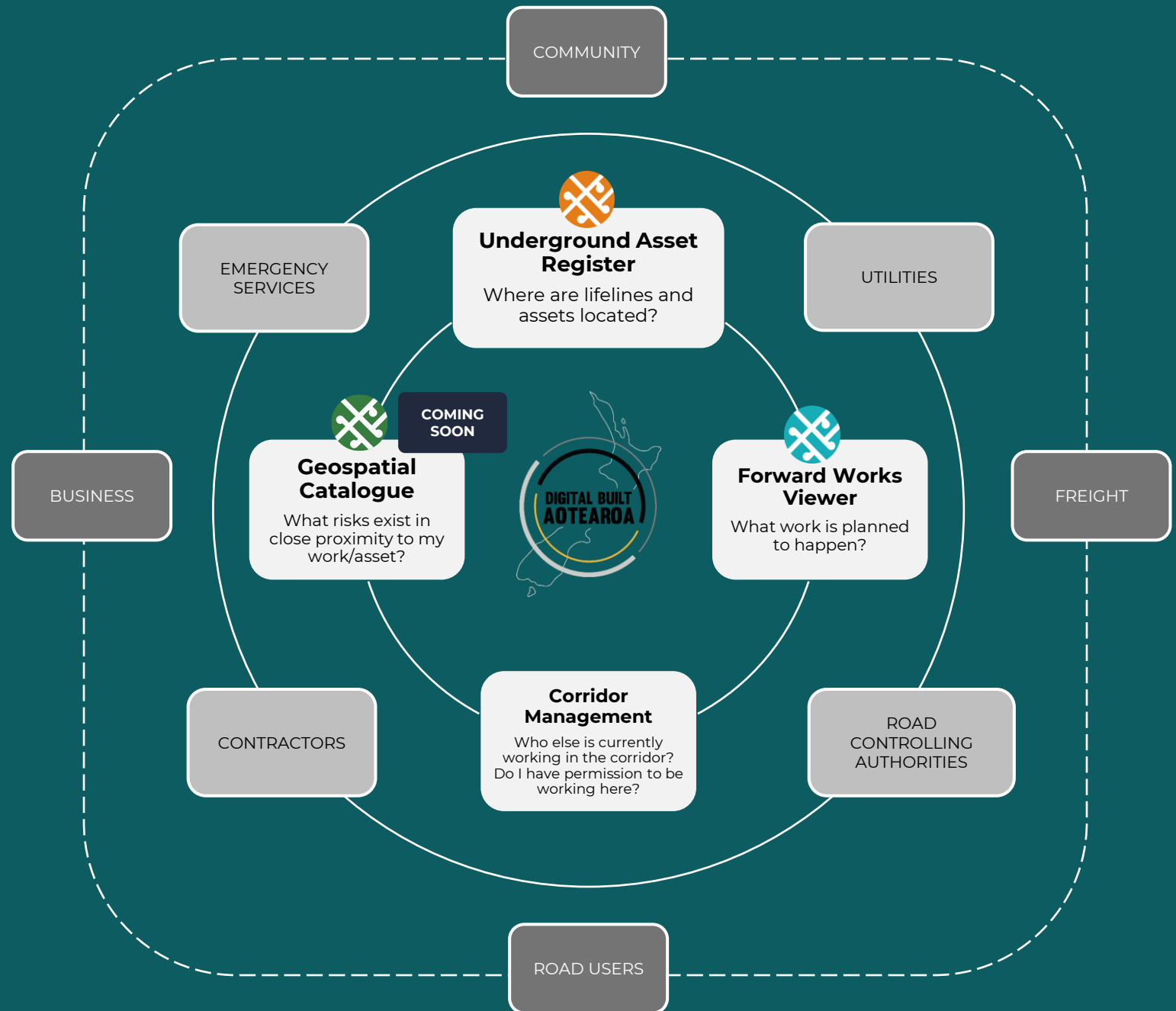
**National Emergency
Management Agency**
Te Rākau Whakamarumarū



**DIGITAL BUSINESS
AOTEAROA**

This is not about software.

It's about system change.



GET IN TOUCH



Email us:

admin@digitalbuilttaotearoa.org.nz

Or visit our
websites to find
out more



www.forwardworks.org.nz



www.nzuar.org