

Signals New Zealand User Group Workshop October 2015

AraFlow Ltd

What do we do?



AraFlow is a leader in Intelligent Transport Systems (ITS) consultancy, traffic management and traveller information services.

We provide our clients with real time travel information content and historical analytical/visualisation services.

How?



- IP56 plastic box containing
 - mobile communications modem/antenna
 - Bluetooth detector
 - data storage and a battery.
- sensor dimensions (H x W x D)
380mm x 300mm x 120mm,
weighing 7kg.
- Solar powered or mains – 10 day battery life on continuous real time data reporting
- 1.5 watts power consumption
- Installation height 2.5 to 3m
- 30 to 45 minutes to install

Where are we?.....



Where are we?

Christchurch

- Commenced data collection in December 2012
- Over 140 data collection points
- Currently expanding to the east and south of the city

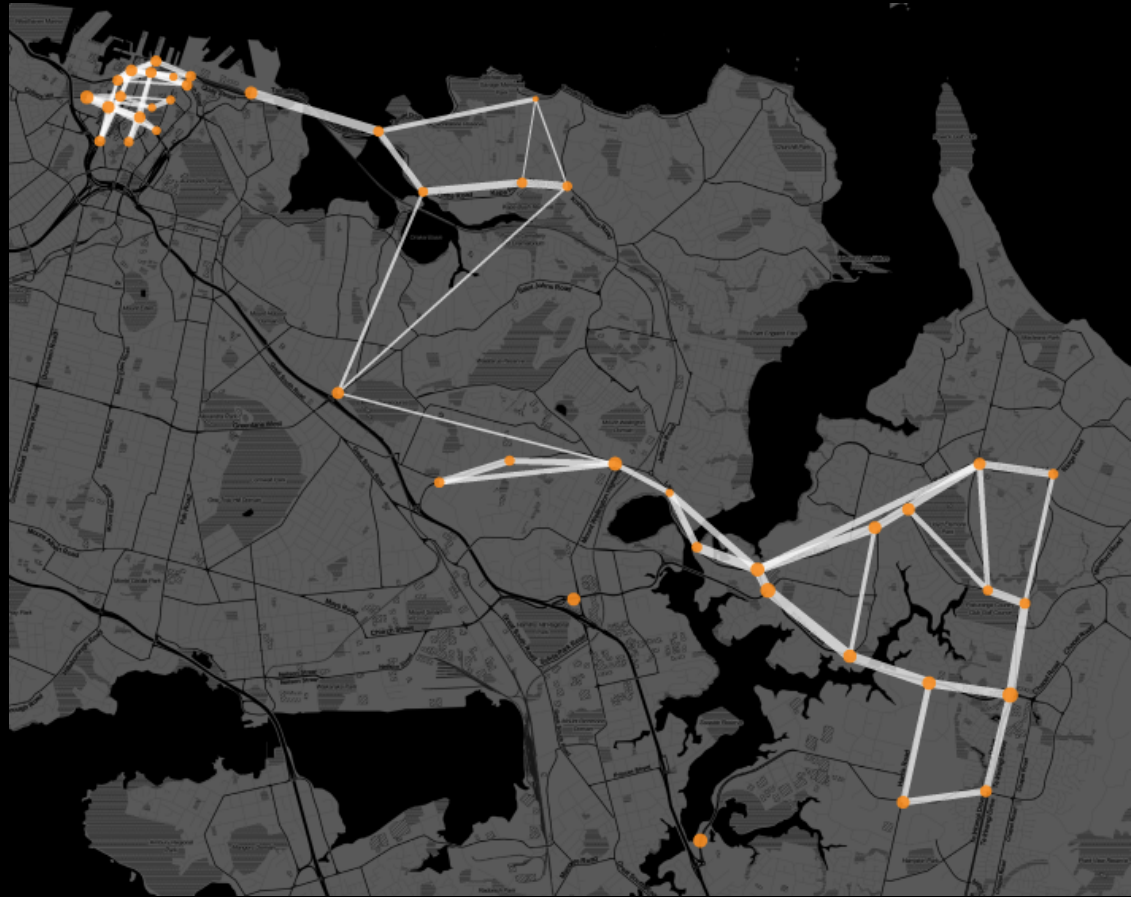


Where are we?



Auckland

- 2 monitored networks, for
 - AMETI before and after monitoring (November 2012)
 - Central Rail Link (October 2015)
 - Contractor performance monitoring



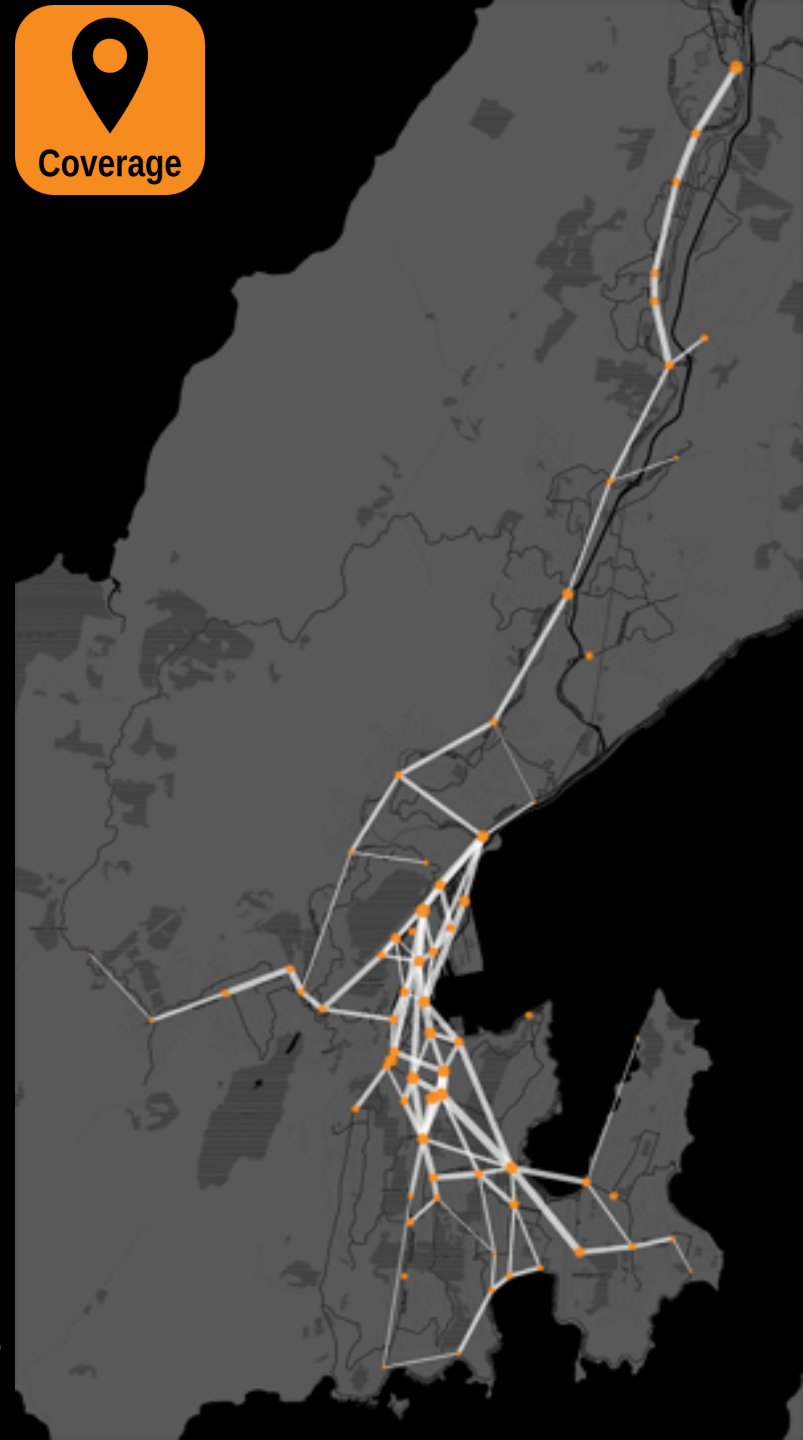
SNUG Workshop
29 – 30 October 2015

Where are we?



Wellington

- Supporting WCC and NEC smart city project
- Full coverage of Wellington's main urban and arterial routes
- Commenced September 2014

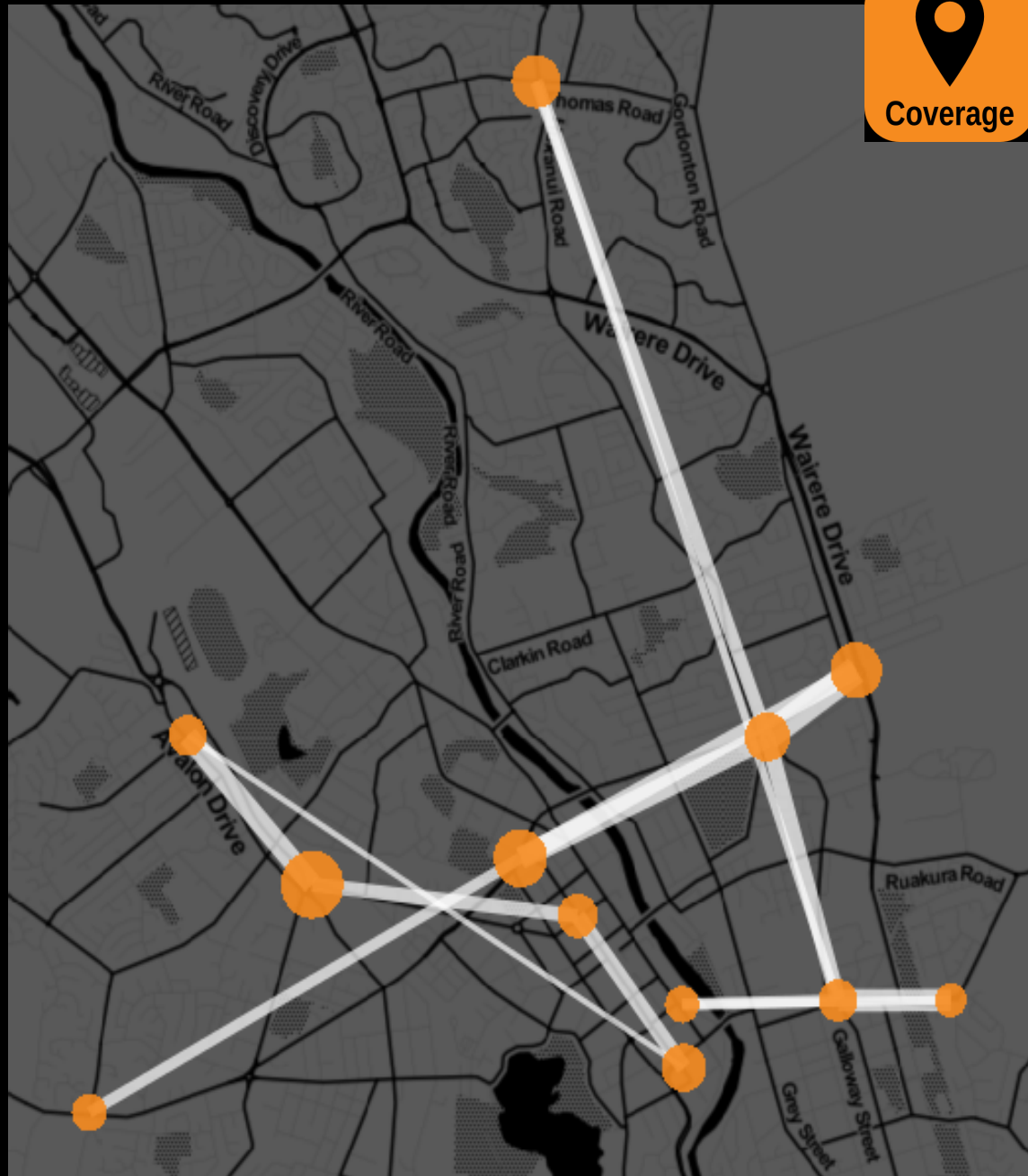


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Where are we?

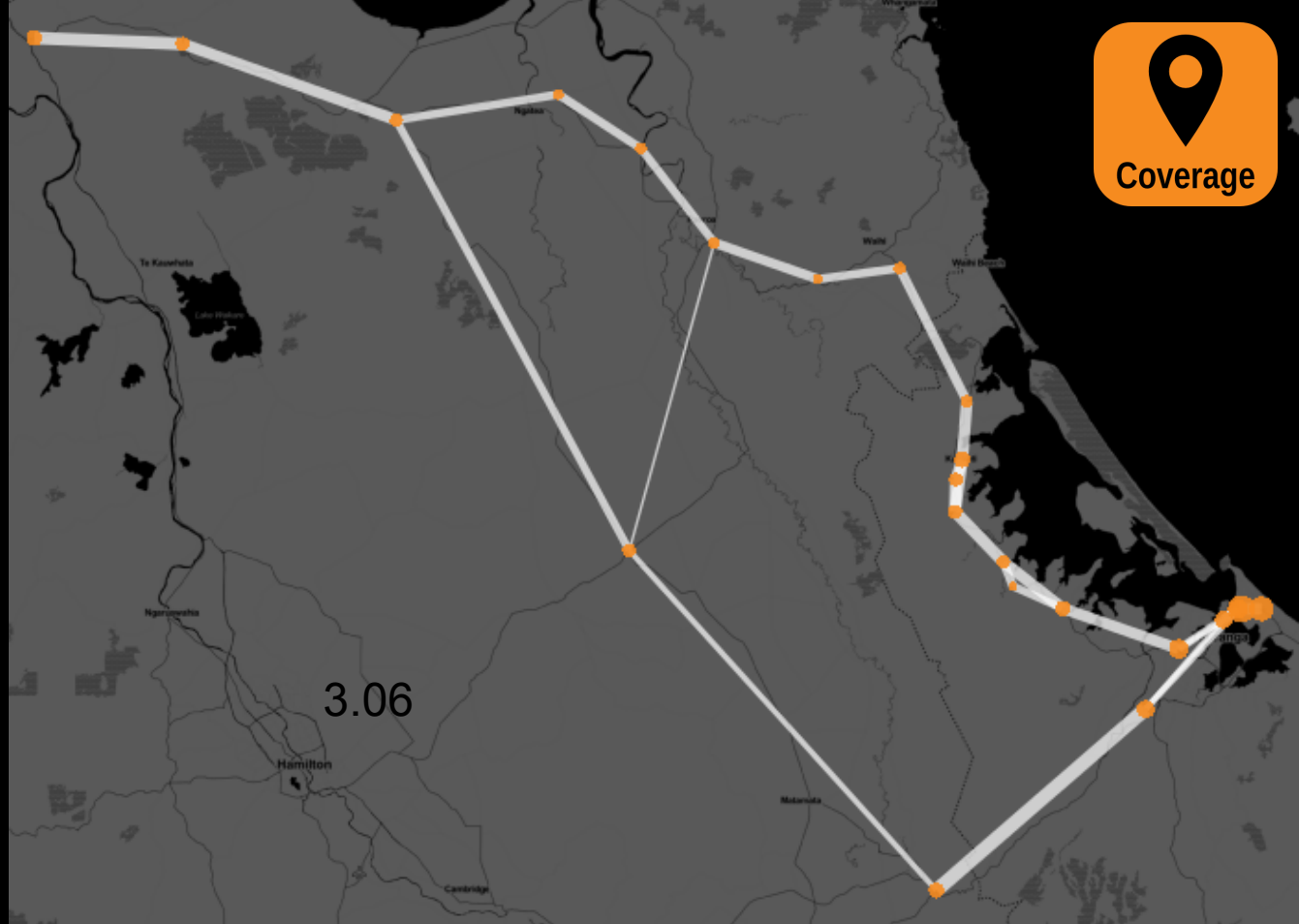
Hamilton

- Central city coverage, for journey time monitoring
- Commenced October 2014



Where are we?

SH2/SH1 to Tauranga



- Extensive coverage of SH2 from Bombay Hills to the Port of Tauranga
- Commenced September 2013

Where are we?



National

- High level coverage of NZ's State Highway network
- 50 sensors located at key strategic decision points
- Commenced data collection November 2014



Services we deliver.....

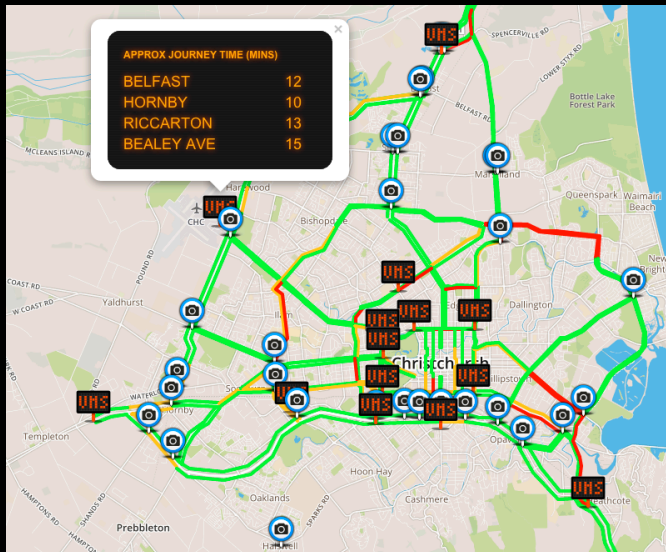


Services we deliver



A range of real time services, including:

- Congestion monitoring and VMS based journey times - Christchurch



- Data feeds
 - to NZTA's SSDF (journey time estimation tool)
 - to NEC in support of Wellington's Smart City initiative

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Services we deliver



Transport for Christchurch (NZTA/CCC)

- JSON real time feed of data to the Transport for Christchurch web site
- Feed contains:
 - live journey times (updated every minute),
 - normal journey times (updated every 15 minutes calculated over the last 12 weeks);
 - and free-flow journey times

HOME > CURRENT CONDITIONS > TRAFFIC DASHBOARD [BETA]

PM TRAFFIC DASHBOARD [BETA]

AM PEAK >

Welcome to the new Traffic Dashboard [Beta]! For more information about this dashboard and FAQs click [here](#).

Southern and Western Approaches

JOURNEY	LIVE	NORMAL	FREE FLOW
CBD to Hornby via Blenheim Rd	24 min	25 min	15 min
CBD to Hornby via Sthn Mwy	18 min	19 min	12 min
CBD to Russley via Riccarton Rd	27 min	19 min	12 min
CBD to Chch Airport via Memorial Ave	14 min	14 min	12 min
CBD to Lyttelton via Ferry Rd	19 min	16 min	13 min
CBD to Lyttelton via Brougham St	22 min	17 min	12 min

Northern Approach

JOURNEY	LIVE	NORMAL	FREE FLOW
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LATEST TRAFFIC UPDATES

CAUTION: SH 8 Lindis Pass 8 hours ago

CAUTION: SH 73 Springfield To Arthurs Pass 16 hours ago

DELAYS: ⚠ Durham Street now Tuesday 28th July 22 hours ago

ALSO IN THIS SECTION

[Journey Times](#) [Planned Roadworks](#)
[Traffic Cameras](#) [Incidents](#)
[Latest Traffic Updates](#)

[Traffic Dashboard \[Beta\]](#)
[About the Traffic Dashboard](#)

And the future.....



Predictive transport operations



SNUG Workshop
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MEET IN ASIA PACIFIC FOR THE WORLD'S LEADING TRANSPORT TECHNOLOGY EVENT

ACTIVATING GLOBAL
MOBILITY SOLUTIONS

FAST FACTS



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Exhibition Centre, Australia



Over 7,000 attendees and over 300
exhibitors from around 60 countries



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Thank you



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