

**SMART  
HAMILTON**

# Smart Aspirations

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Supported by



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Te kaunihera o Kirikiriroa

# Smart Cities



Smart city projects make cities **work better**

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# Smart Cities vs Smart Societies



Smart city projects make cities **work better**

Smart societies seek to make **better cities**



# Smart Societies

Value **people first** and see **innovation and collaboration** as **key to driving change** and **better outcomes** for current and future communities





# Envisioning a Smart Society

## Vision

Hamilton City and the Waikato region are places where **innovation thrives** for the wellbeing of the people and **challenging the status quo is the norm**

## Purpose

To **foster a smart mindset and support innovation and collaboration** that:

- improves the **wellbeing** of the community
- enables **better decision-making**
- **responds effectively** to our greatest challenges



# So what is Smart?

people  
technology  
**CONNECTED**  
working together  
sharing information and resources

think differently  
take risks  
**FREEDOM TO DREAM**  
try new ideas  
why not?

collaboration  
**MAXIMISING OPPORTUNITIES**  
innovation  
full potential  
high impact

user testing  
identify challenges  
**COMMUNITY-LED**  
solutions  
prioritisation

# Building a Smart Society

## Organisationally

- **Looking at ourselves** and thinking differently about how we work
- Doing more to **free up** and actively pursue **innovation**

## Citizen and community

- Lifting individual wellbeing by delivering **projects and services that improve daily life** and the experience of being in this city
- Enabling **better decision-making** with shared data and insight

## City Leadership

- **Encouraging** leaders across **all sectors to embrace a Smart approach** and **build an environment that supports innovation** to happen as and where the community needs it.

# What is your organisation doing that's Smart?

people  
technology  
**CONNECTED**  
working together  
sharing information and resources

think differently  
take risks  
**FREEDOM TO DREAM**  
try new ideas  
why not?

collaboration  
**MAXIMISING OPPORTUNITIES**  
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identify challenges  
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# Smarter Transport Operations

John Kinghorn  
Trafinz 12 July 2019

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# Introduction

- Hamilton City Council's purpose:  
*To improve the wellbeing of Hamiltonians*
- My role helps to achieve this by:  
*Making it easier and safer for people to move around the city through the creation of effective and reliable transportation systems*
- My team is responsible for Realtime Operations, Intelligent Transport Systems, and Transport Data.
- Today I'll be providing a couple of examples of applying a "*Smart Philosophy*" to transport operations

# Data and Insights

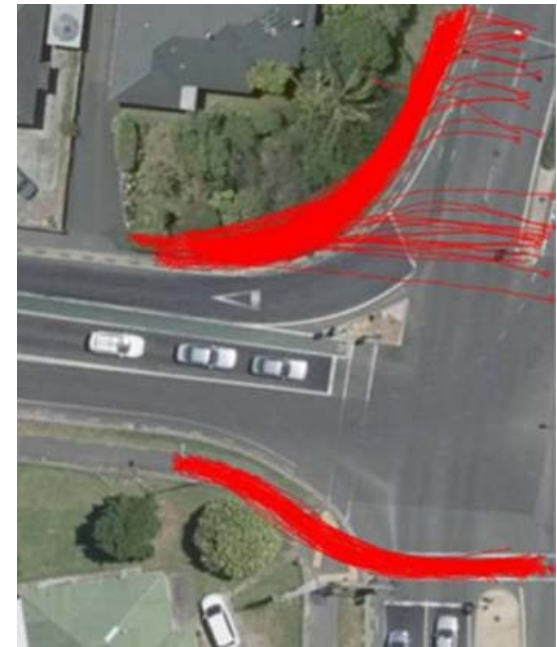
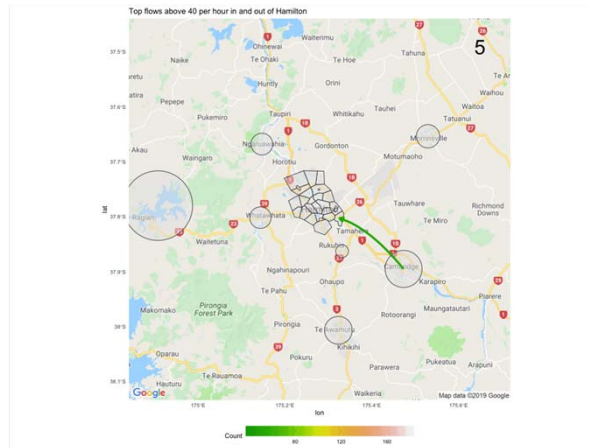
- Focus on good data, and turning that into useful insights
- We want to understand how people are moving around the city, traditionally only 'easy' modes (vehicles) captured, we need to focus on active modes
- Why? So we can support **strategic decision making**, enhance **operations**, and **better inform** customers in their decisions





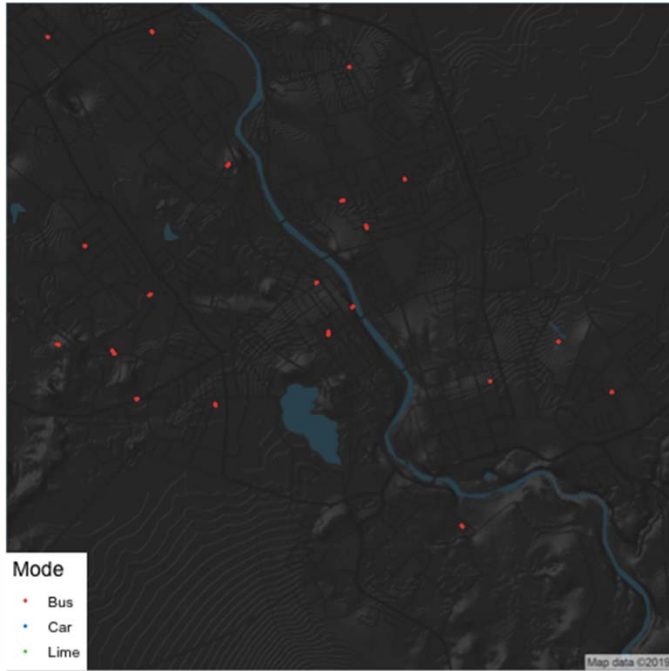
# Data and Insights - learnings

- Look at desired outcomes before choosing data sources (e.g. mode share)
- Decisions focus on data presented – how are people using spaces/streets?
- Is our data representative – wheelchair users, visually impaired users?
- Combine datasets, e.g. total journey, overlay to find gaps in the network
- Agree on data ownership – custodians of data (supplier agreements vs partnerships)
- Make the data available through self serve dashboards  
this adds value to others (and reduces work)
- Engage with the community to test assumptions
- Hire data scientists!

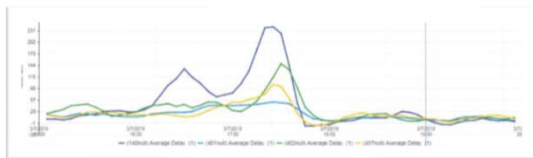


# Data is enhancing...

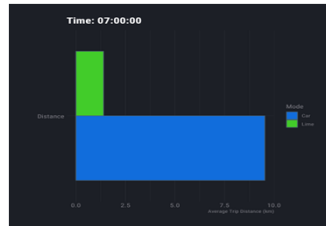
Time 2019-06-07 07:00:00



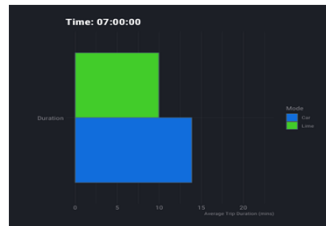
Understanding the effects and impact of events



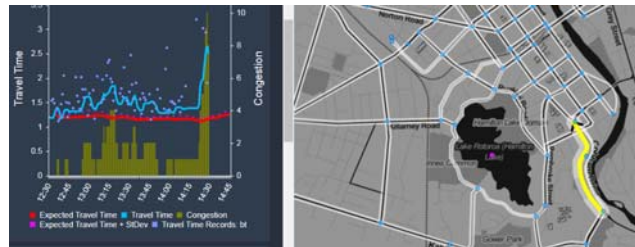
Traffic management planning



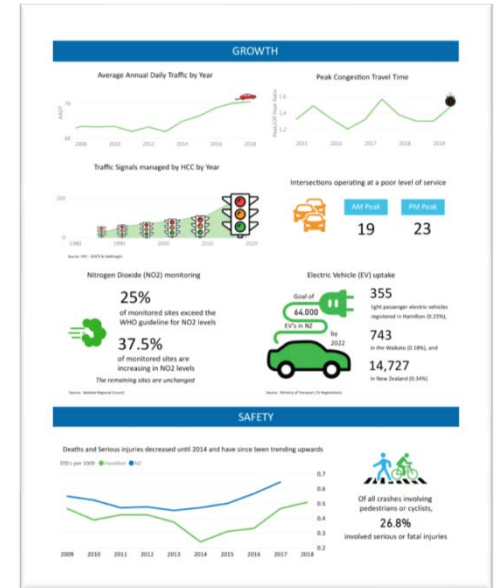
Trip Distance



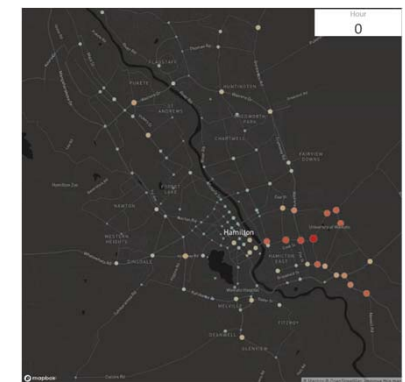
Trip Duration



Proactive operations



Report cards and dashboards



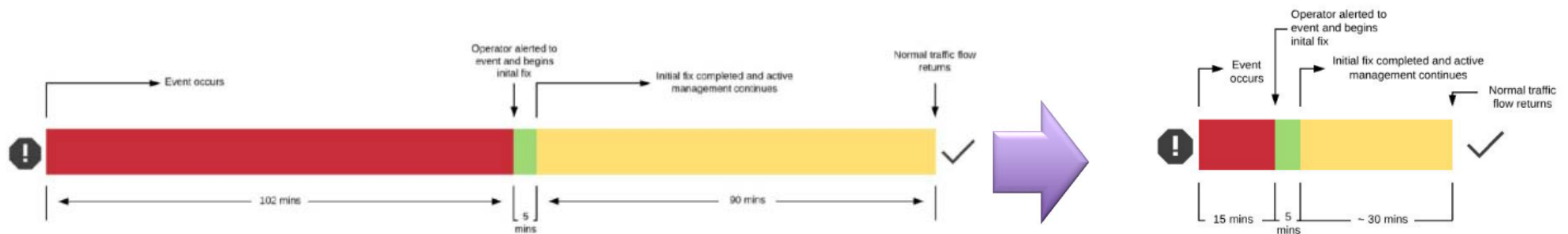
Walking and cycling initiatives



# TDAP

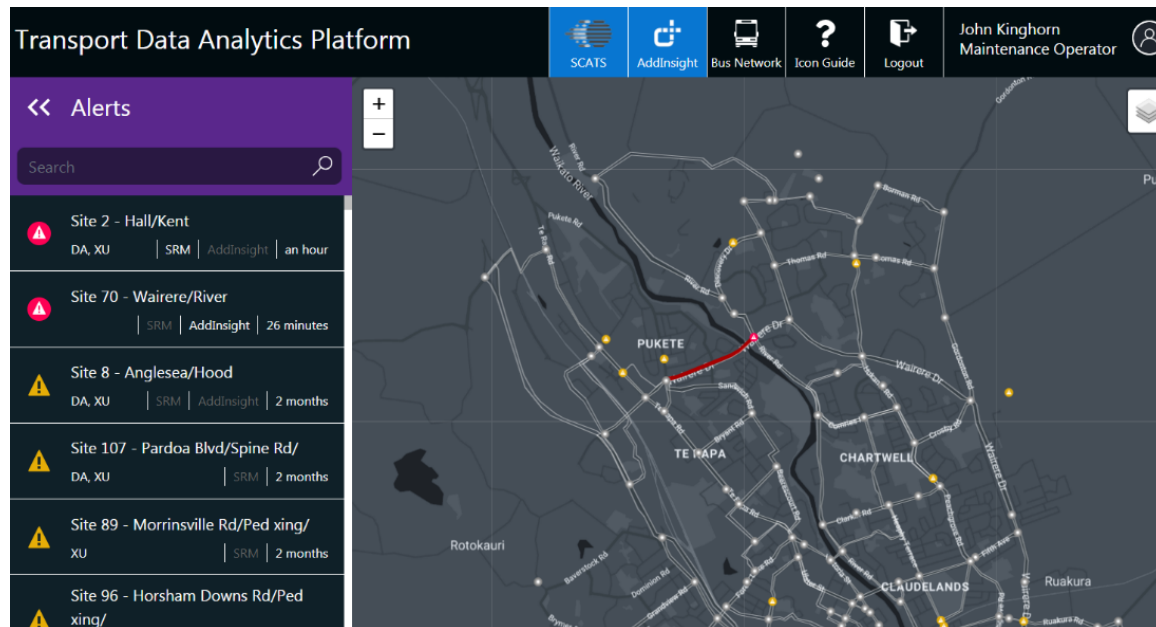
## Transport Data Analytics Platform

- Focus on collaboration & partnerships (including between competitors)
- Journey mapping “A day in the life...”
- Problems: Too many windows, limited situational awareness, delayed alerts
- Opportunity: “Single pane of glass”



# TDAP (continued)

- Minimum Viable Product: Combines 6 live data sources
- This allows insights across data (multiple minor alerts = major), and ability to prioritise PT, etc
- Further development underway



# Questions / Discussion

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# Smart Space visit

Make your way to the Smart Space, located in Garden Place, next to the Library entrance (1km away)

If scootering, you must:

- Have signed the waiver during registration
- Attend the safety briefing provided by Lime outside
- Wear a helmet (provided)
- Follow the designated route shown
- Take care and travel slowly – especially over Claudelands bridge!

