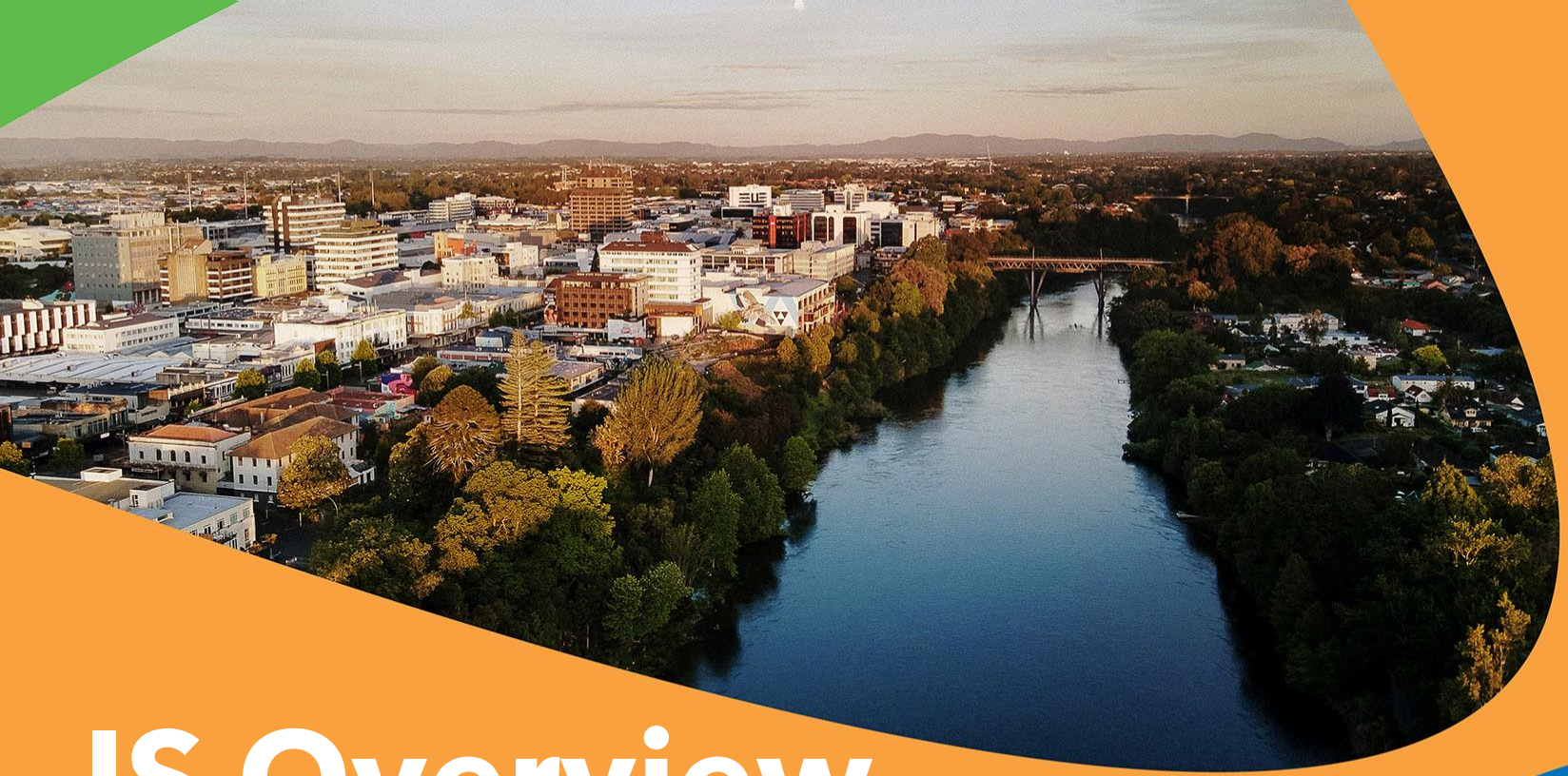
Time	30 August 2023 Topic and Purpose	Presenter(s)	Format	Time Req'd (mins)
11.45am	**Information Systems Overview** To inform Members of the various information systems used by Council and their purposes.	Allan Lighthouse David Bryant	Open Briefing	45mins
MEETING ENDS				

July 2023



IS Overview

Hamilton City Council
Te kaunihera o Kirikiriroa

Purpose

Overview of IS Scope and Spend

Hamilton City Council
Te kaunihera o Kirikiriroa

IS Purpose

We are here to enable
community and
organisational outcomes
through digital & technology means.

IS Context

Streamline Legislative Compliance > build legislation into our core platforms

Supporting our people to perform their roles > automation, simplification & digitisation leading to cost optimisation

Supporting our community to interact with us and our information > changing community expectations for self service

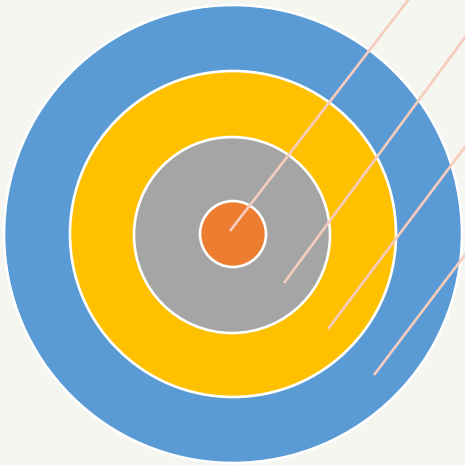
Large IT estate > leverage our core systems and remove sprawl

IS Opportunities

- Our investments, services & assets are **maximised through leveraging digital technologies**.
- Our business process is **optimised**.
- Our decision-making is **fact-based and community-centric**.
- Our channels meet the **needs of our community**.
- Our technology is **fit for purpose and has an acceptable risk profile**.
- Our people are **productive wherever they work**.
- We build **cyber security** into everything we do.

What we support

Community & Organisation Enablement



Cyber (SOC, Mimecast etc)

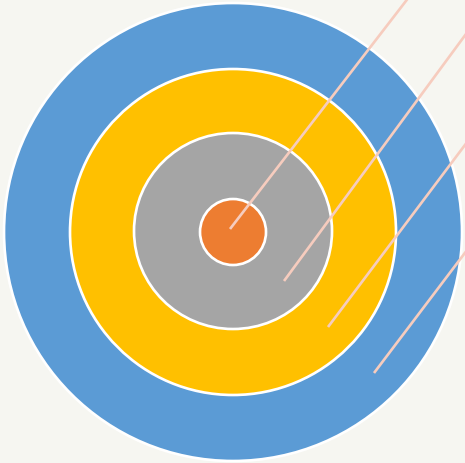
Core (Finance, Rating, Microsoft etc)

Business Applications (Milestone, Reporting IBIS, Mapping)

Community Facing (City Plans, Self Service, etc)

What you see

Underlying Technology



Compute & Storage (Fujitsu, Datacom etc)

Network (Fujitsu)

Cloud (Microsoft, Datacom & Fujitsu)

Productivity (Microsoft, HP & Apple)

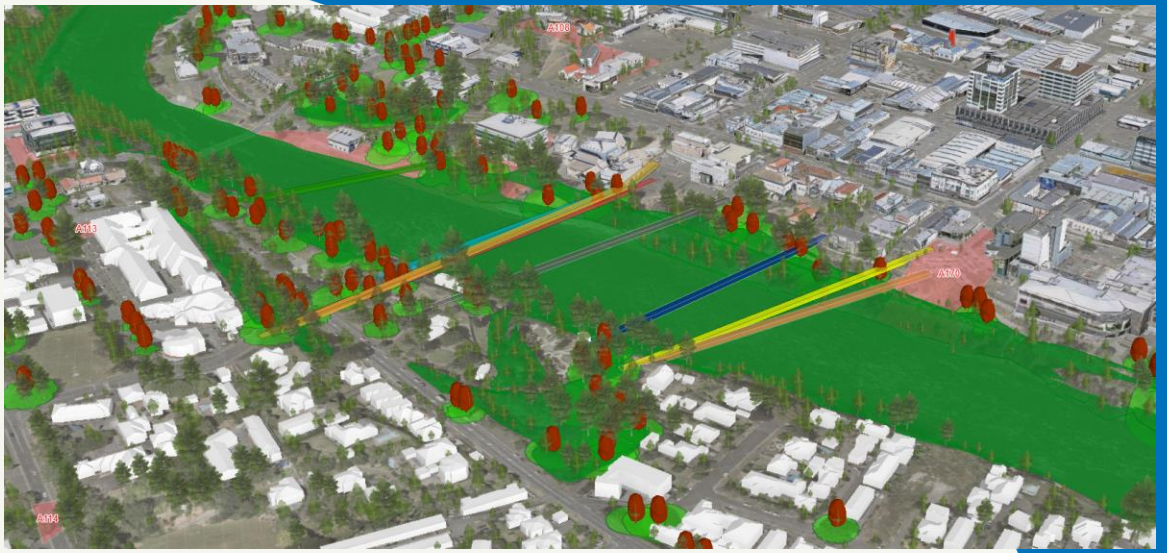
What you don't see

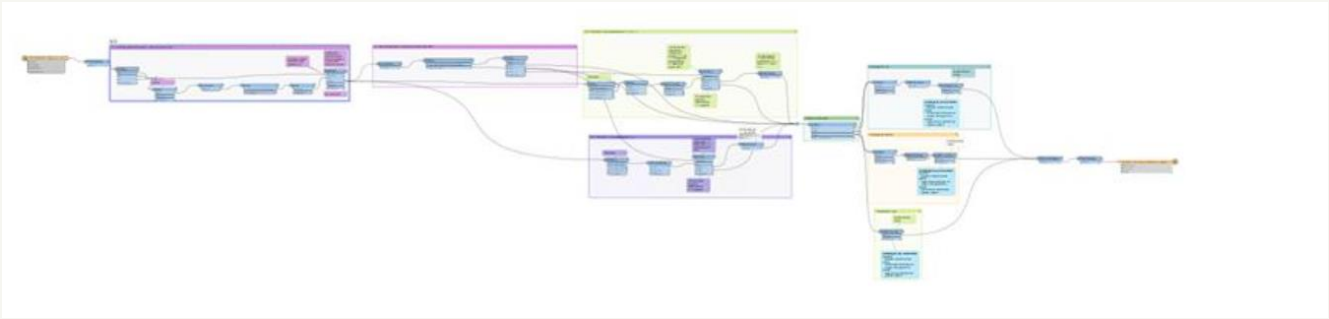
Example Outcomes

3D

Potential walking bridge locations and constraints from the District Plan - Notable trees, Significant Natural Areas, Archaeology sites etc

Little messy as we just started this 3 days ago but a great use of DT's and a rapid assessment of options with constraints and we also did a quick slope analysis of each bridge





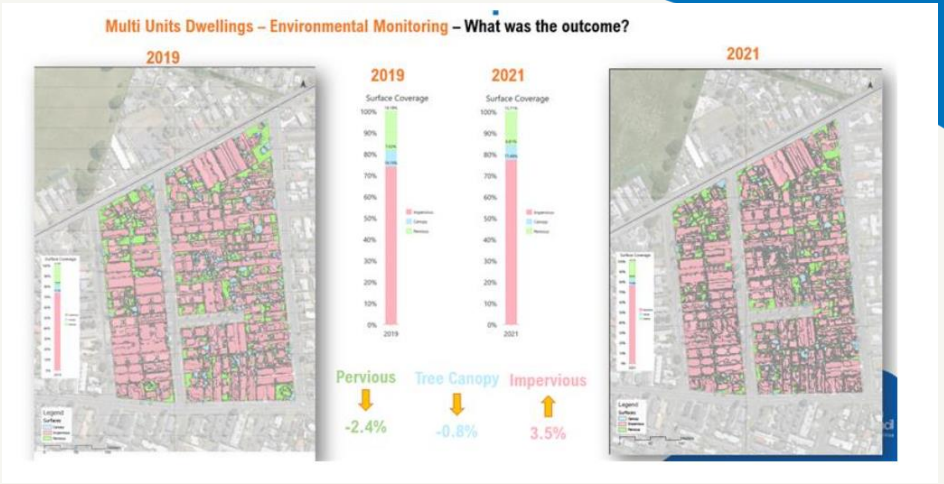
Locus Contract

Automation

Storm Water Flooding data Smoothing - used to be done by consultants but IS have built an automated process to do it now.

Example Outcomes

Eagle & Esri Contracts



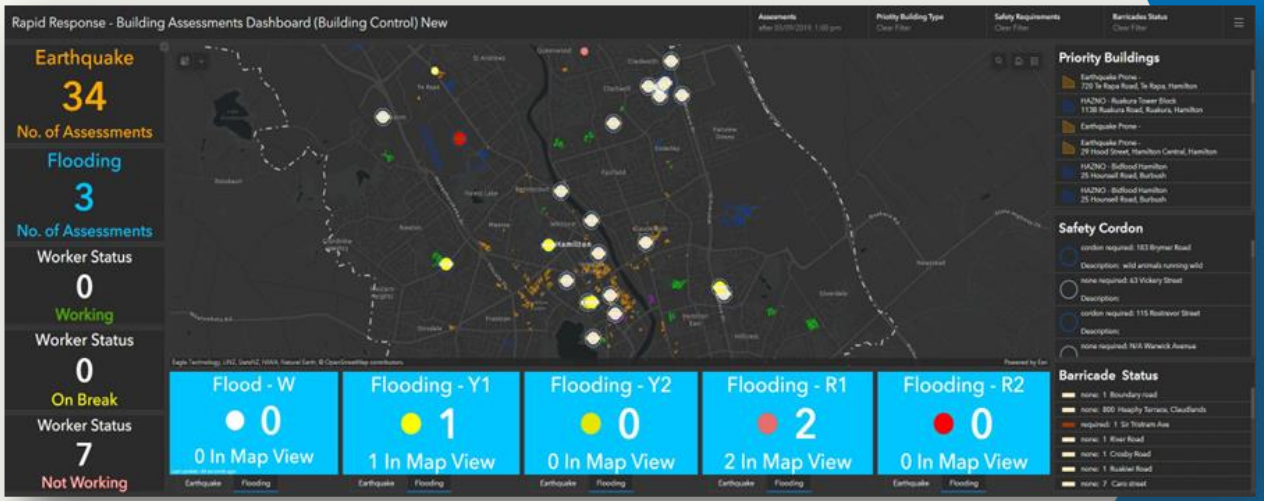
Machine Learning

Machine Learning model for land use over time. Monitoring for District Plan intensification and the impacts the operative rules are having

Dashboards

Rapid response building assessments

Microsoft & Enlighten Contracts

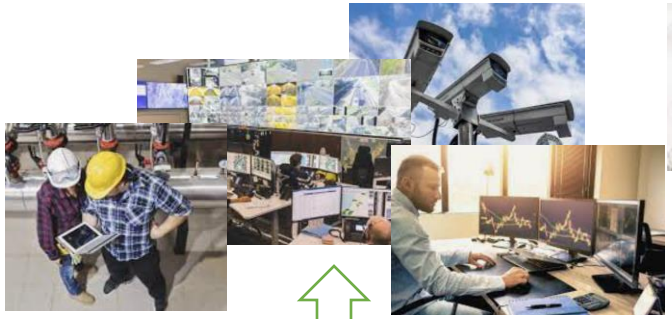


Example Outcomes

Trees modelling

The creation of this model required processing more than 6 billion data points using a machine learning algorithm applied to the LiDAR dataset. It successfully identifies individual trees to validate vs our tree assets.

Context



FTE 45

Applications
400+

Devices
6500+

Data
929 TB
= 1.4M CD's

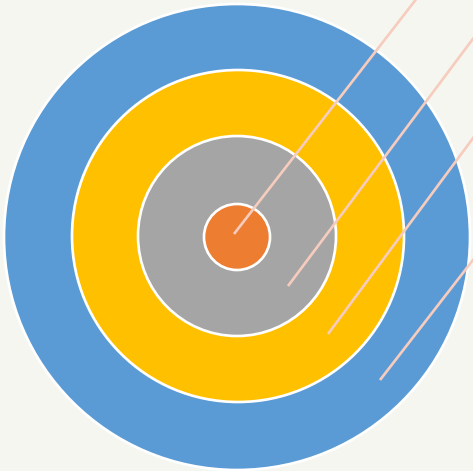
Requests
~14,500 pa

Records
18M

Changes
300+ pa

Where we have risk

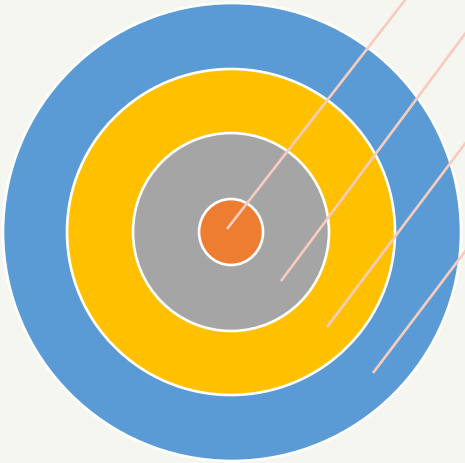
Community & Organisation Enablement



- Cyber (SOC, Mimecast etc) — 1/5
- Core (Finance, Rating, Microsoft etc) — 3/5
- Business Applications (Milestone, Reporting IBIS, Mapping) — 2/5
- Community Facing (Esri, Datascape, etc) — 1/5

What you see

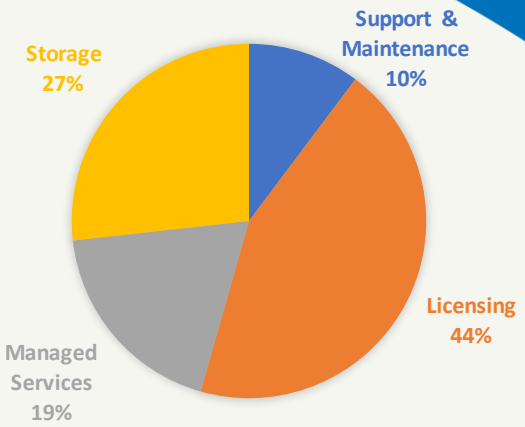
Unlaying Technology



- Compute & Storage (Legacy Storage) — 2/5
- Network (Fixed, WiFi, Internet) — 1/5
- Cloud (Future Storage) — 1/5
- Productivity (Microsoft) — 3/5

What you don't see

Spend & Contracts



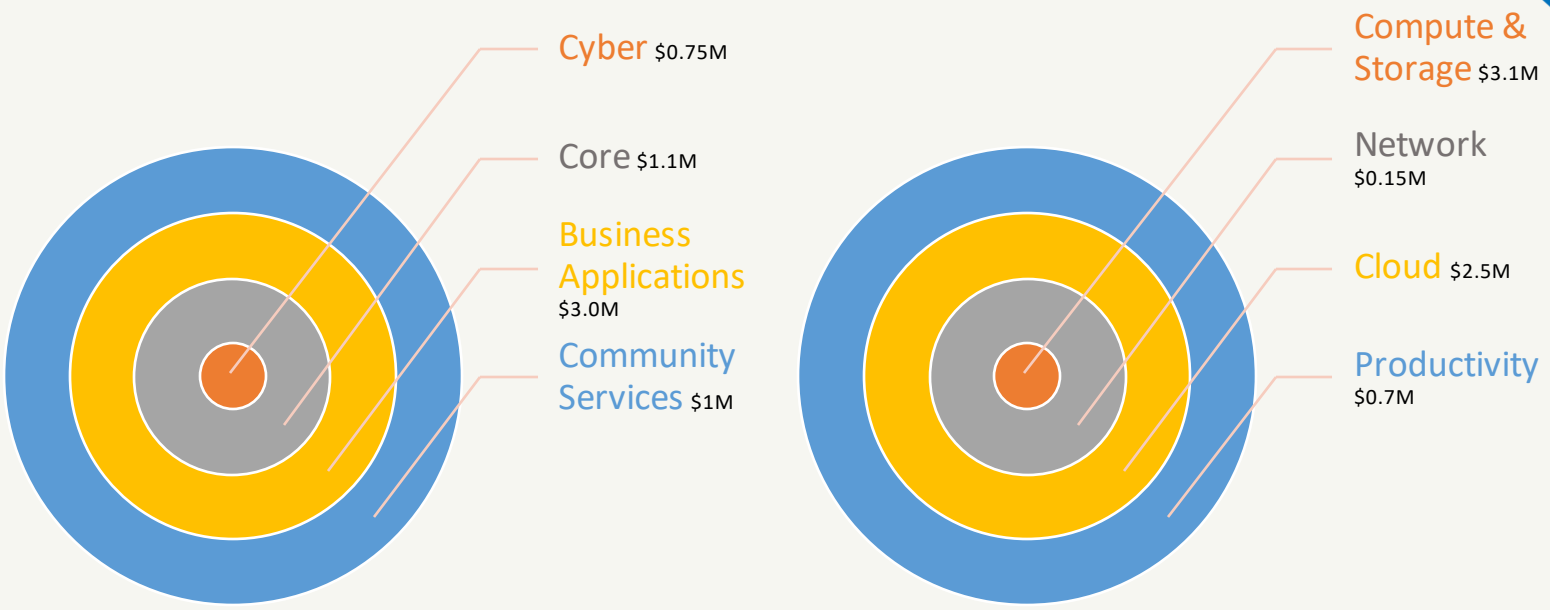
$20M
FY24 BAU Budget

$12.3M
Supplier Spend

$6.9M
56
Contracts
Strategic Contracts

$2.9M
73
Contracts
Non-Strategic Contracts

Operational Spend Breakdown



Future Investment Drivers

Foundational Platforms

Cyber Security

Community Self-service

Automation to Support Future Fit

Productivity to Enable Cost Optimisation

Insights to Improve Decision Making

Paatai?

Questions?

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