

ENGAGEMENT SCOPE

Through this engagement, Vivacity spoke with 25 stakeholders from the **City of Kelowna**, the **community**, and **businesses** to find out:

- Where we are **today** when it comes to intelligent city and living lab initiatives;
- What the **future** of these initiatives ideally looks like;
- Which **projects** should be prioritized to get us closer to the desired future state.

Through this two-page report we provide a high-level overview of our findings with a roadmap on how we intend to build a more intelligent future.

FROM SMART TO INTELLIGENT

1

Smart Cities focus on improving efficiencies, reducing costs, and using data to apply **existing knowledge**. These generally involve analytics, automation, and KPI measurement.

2

Living Labs are open innovation ecosystems using iterative feedback to create **sustainable impact**. These tend to involve interdisciplinary collaboration, and can use research funding.

3

Intelligent Cities shift the focus to creating **new knowledge** within the community. This allows cities to effectively tackle complex issues while generating new revenue streams.

MAJOR CITY CHALLENGES



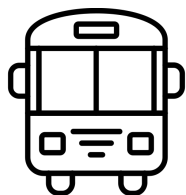
Develop the **high density** urban core



Manage and monitor the **environment**



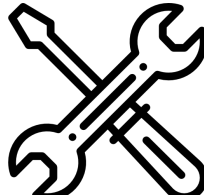
Better engage with the **community**



Reduce dependency on **cars**



Improve **emergency** response



Renew existing **infrastructure**

STAPLE PROJECTS & INITIATIVES

AI-Powered Chat Bots

Kelowna is helping staff save time by providing website chatbots. They allow citizens to find what they need quickly and independently.



Snow Removal Dashboards

Dashboards were created to view resource allocation in real time, improving effectiveness and making future planning much easier.



Water Basin Monitoring

By collecting data on water, the city is now able to better understand current needs and forecast future demands.



3D Property Map

City stakeholders can view proposed developments, monitor the approval process, and see what buildings would look like.



Addition of shelter beds

Big societal issues are not solved overnight, but there is progress. Wins like additional shelter beds are worthy of being celebrated!



These areas have been highlighted across the **2040 Official Community Plan**. With the evolution of AI and Machine Learning, improving our **data strategy** is a key step in better supporting our community.

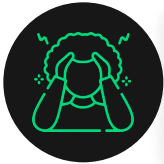
BARRIERS TO INTELLIGENT CITIES



Lack of data visibility leads to poor planning, decreased efficiencies, and increased costs.



Citizen push back due to a non-transparent data life cycle leads to distrust and slower innovation.



Big societal problems can't be solved directly, which leads to stagnation and the status quo.



Disasters and emergencies lead to infrastructure damages, loss of life, and increased cost burdens.



Technology silos lead to a patch work of solutions, which reduces efficiencies and data visibility.

INTRODUCING VIVA CITADEL

We're creating a **platform** to get data in the right hands as fast as possible. This includes a **searchable** data inventory, and real time **alerts**.

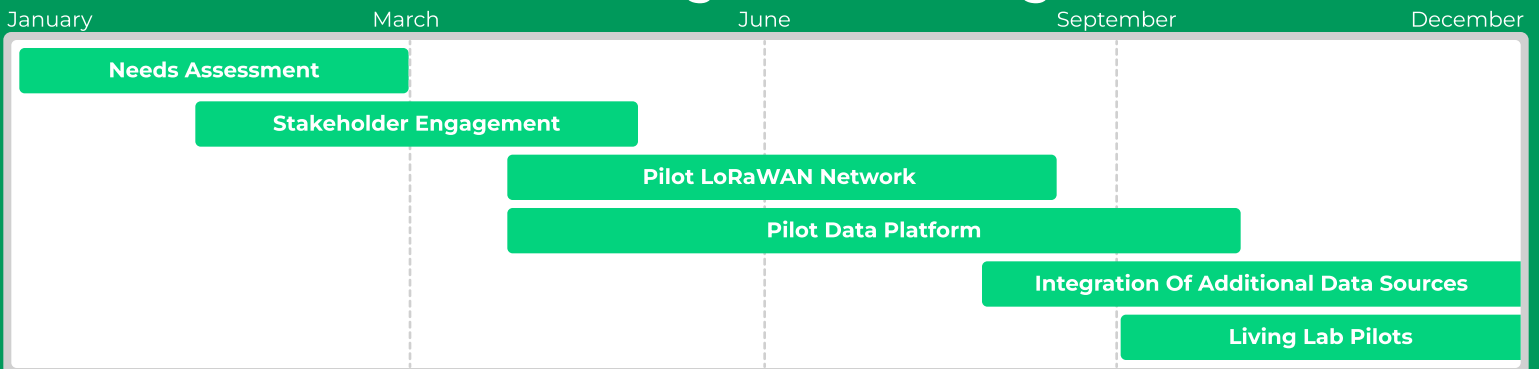
Using Vivacity's PKI technology, we can **verify the data life cycle** and clearly convey the what, why, and how of data collection in the city.

By using city data to **measure** the current state of problems, we can accelerate **pilot projects**, verify their effectiveness, and **scale up** impact.

With the ability to monitor and create alerts for **environmental data**, we're improving our ability to forecast and respond to **critical events**.

By consolidating **data intake** and **IoT** use cases, we're **dismantling** existing **silos** and preventing new ones from emerging as technology evolves.

How we're building a more intelligent future



YOUR INPUT MATTERS!

How to reach out

Speak to our team at info@vctec.com. We're eager to hear your thoughts and understand how this project can support you!



Stay updated

We'll be sending monthly reports to interested parties as we progress. To be included, please sign up for updates at vctec.com/newsletter!

