



CLIENT CASE STUDY

Transforming Urban Management:

# How the City of Kelowna Expanded the Application of Spexi Imagery to Streamline City Operations





# Realizing Operational Efficiencies, Reducing Costs & Improving Service Delivery

Seeing the potential that Spexi imagery can have to streamline urban management, city officials embarked on a second, significantly larger project with Spexi to capture aerial imagery of the entire City of Kelowna. The Spexi Network captured imagery of approximately 11,000 acres, in a matter of a few days. City administrators were able to review the data within 12 hours of capture.

The City of Kelowna utilized Spexi imagery as a supplementary data source to further streamline operations. A number of departments within the city began to use Spexi aerial imagery in their day to day operations:

- Bylaw Services
- Building & Permitting
- Infrastructure Operations
- Development Engineering
- Utility Services
- Community Safety Services

### Second Engagement Highlights

<b>Image Resolution</b>	Up to 2.8cm oblique images captured at 80m
<b>Area Covered</b>	11,000 acres
<b>Total Spexigons Completed</b>	500
<b>Speed of Data Capture</b>	1 Week
<b>Speed of Data Delivery</b>	Delivered within 12 hours of capture



Upon expanding the use of Spexi imagery for our field operations, the detailed imagery is reducing the need for field visits across multiple departments and is enabling us to gather advanced knowledge before site visits, streamlining operations and enhancing our service delivery.

Spexi's technology has proven invaluable for both crisis management and daily urban management.

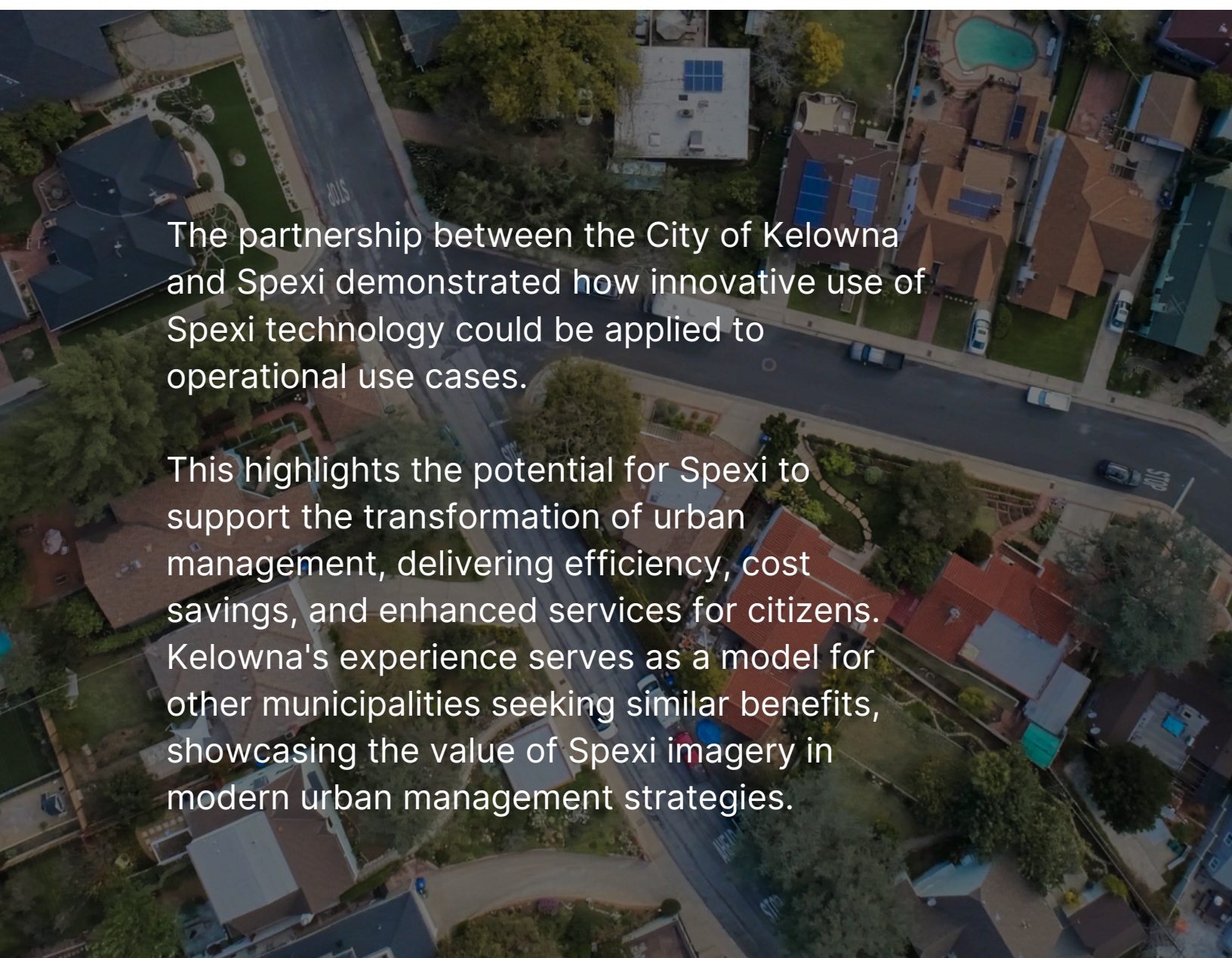
**Cheryl Trent**

City of Kelowna - Data Services & Analytics Manager

## Broader Benefits to the City & Residents

Utilizing Spexi's detailed imagery, rapid capture and flexible coverage brought numerous benefits to the City of Kelowna and its residents.

Benefits for the City	Benefits for its Residents
<p><b>Time Savings:</b> Reduced the need for extensive field visits, freeing up time for other project work.</p>	<p><b>Improved Service Delivery:</b> Fewer site visits translated to less disruption for citizens.</p>
<p><b>Operational Efficiency:</b> Improved response times and operational efficiency across various city departments.</p>	<p><b>Faster Issue Resolution:</b> Issues impacting properties were resolved more swiftly thanks to the timely and detailed information provided by the aerial imagery.</p>
<p><b>Cost Savings:</b> Potential for budget reductions due to decreased need for on-site inspections and visits.</p>	



The partnership between the City of Kelowna and Spexi demonstrated how innovative use of Spexi technology could be applied to operational use cases.

This highlights the potential for Spexi to support the transformation of urban management, delivering efficiency, cost savings, and enhanced services for citizens. Kelowna's experience serves as a model for other municipalities seeking similar benefits, showcasing the value of Spexi imagery in modern urban management strategies.



# Learn How Spexi Can Help Your City



## About Spexi

Spexi delivers standardized ultra-detailed Earth imagery that traditional methods such as fixed-wing aircraft and satellites cannot deliver.

Spexi global network of drone pilots capture highly detailed data that governments, private enterprises, and technology companies rely on to make better decisions and fuel next generation AI-powered applications.

## Book a Demo

To learn how Spexi can help your city, contact:

[sales@spexi.com](mailto:sales@spexi.com)