











- Why is "smart" important?
- Key outcomes
- Smart strategy & roadmap
- Building blocks of the roadmap
- Unified digital infrastructure
- Smart Markham Centre Secondary Plan (MCSP) considerations
- Next steps



Why is "smart" important?



- The digital economy is transforming how we work, live, learn, and play
- The global smart cities market is growing 25.8% per year, from USD 660B in 2022*
- Leverage digital capabilities to achieve outcomes for Markham Centre
- Digital capabilities must be part of the DNA of tomorrow's communities
- Markham as high-tech capital has an opportunity to lead the "smart city" movement
- A smart strategy and roadmap is foundational for the Markham Centre Secondary Plan



Key outcomes



Input: Markham Centre Secondary Plan (MCSP) principles

City of Markham's Vision and Digital Strategy

Stakeholder consultation

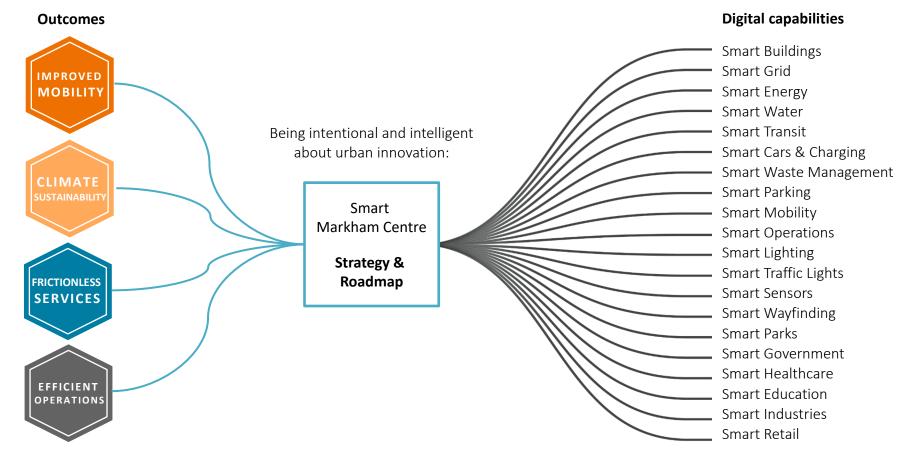


...powered by technology.



Smart strategy & roadmap







Building blocks of the roadmap



The building blocks of the strategy and roadmap of a Smart Markham Centre must include:

- 1. People and outcomes
- 2. Partnerships & eco-systems
- 3. Governance and policy
- 4. Digital infrastructure
- 5. Smart solutions





Unified digital infrastructure

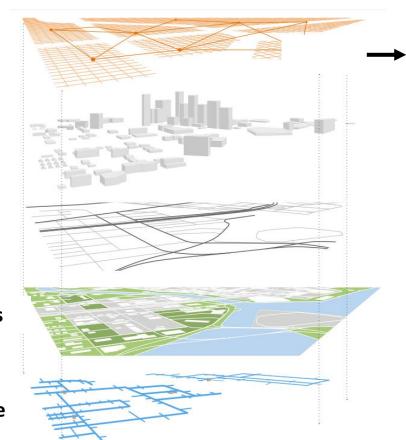


PHYSICAL LAYER

Buildings Mobility

Public spaces

Infrastructure



DIGITAL LAYER

A digital foundation for Markham Centre that is:

- Connected
- Sustainable
- Scalable
- Open
- Secure
- Future-ready



Smart MCSP considerations



1. Physical infrastructure

- Conduits and accessibility
- Physical infrastructure that enables Wi-Fi network

2. Last-mile connections

- Micro-mobility considerations
- Improve efficiency of moving people, goods, and services

3. Internet of Things framework

- Standard data and interoperability framework for connected systems and devices
- Public and private data privacy policy

4. Unified digital infrastructure

- 5G/ wired and wireless network considerations
- Cybersecurity

5. Digital Twin

Intelligent data and decision-making model for Markham Centre



Next steps



 Create policies for Markham Centre Secondary Plan from the considerations

2. Complete "Strategy & Roadmap" report