

Integrating
Micromobility &
Autonomous Vehicles
**A Variety of
Perspectives**

OUR PANEL



Frank Domingo

Mobility Solutions Lead
Stantec

Angel Diaz

Director of Operations
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Colin Roche

Chief Executive Officer
Swiftmile

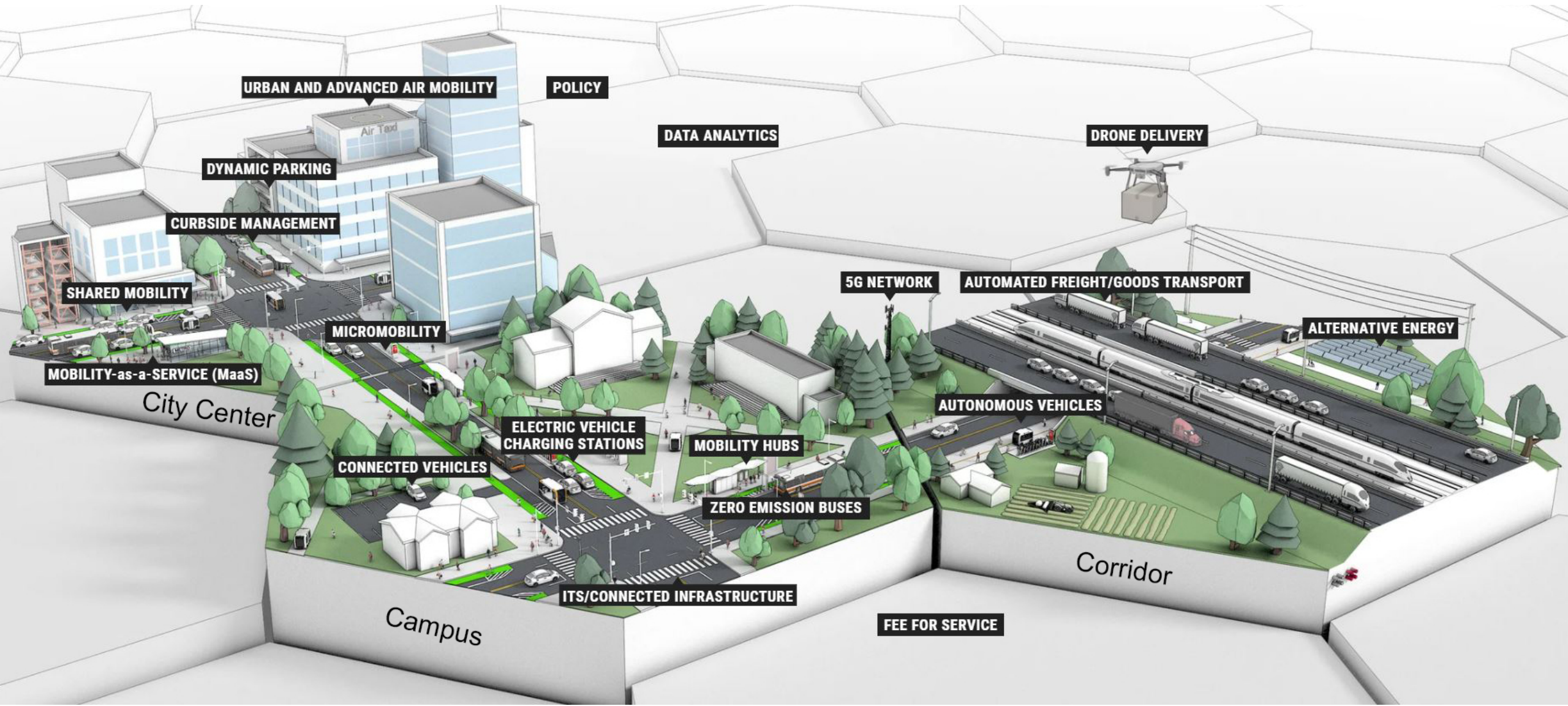
Lisa Nisenson

Vice President, New Mobility and
Connected Communities
WGI

Tom Hoban

Chief Investment Officer
and Partner
Kitson & Partners

A path toward a resilient and integrated mobility ecosystem



INTRODUCING OUR AUTONOMY TEAM



We're accelerating automated mobility systems deployment to bring about a safer, cleaner, more equitable world for future generations.

We're subject matter experts in all things AV.

We advise, consult, and develop tools and technology for AV planning and assessment.

We've built a strong partner network that is unrivaled in the industry.

We're backed by 65 years of working in communities all over the world.

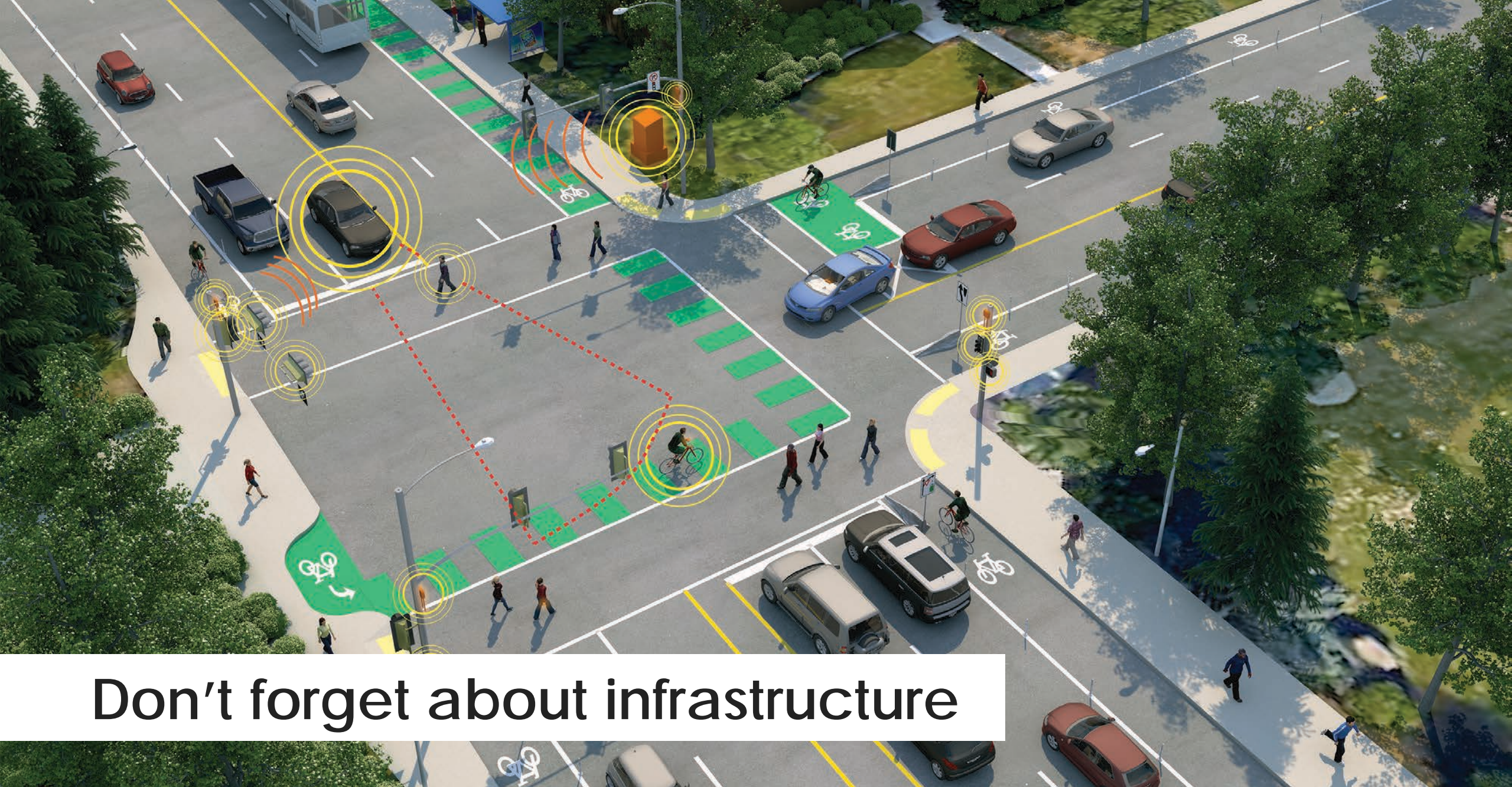




Let's talk about the curb



Communication is critical

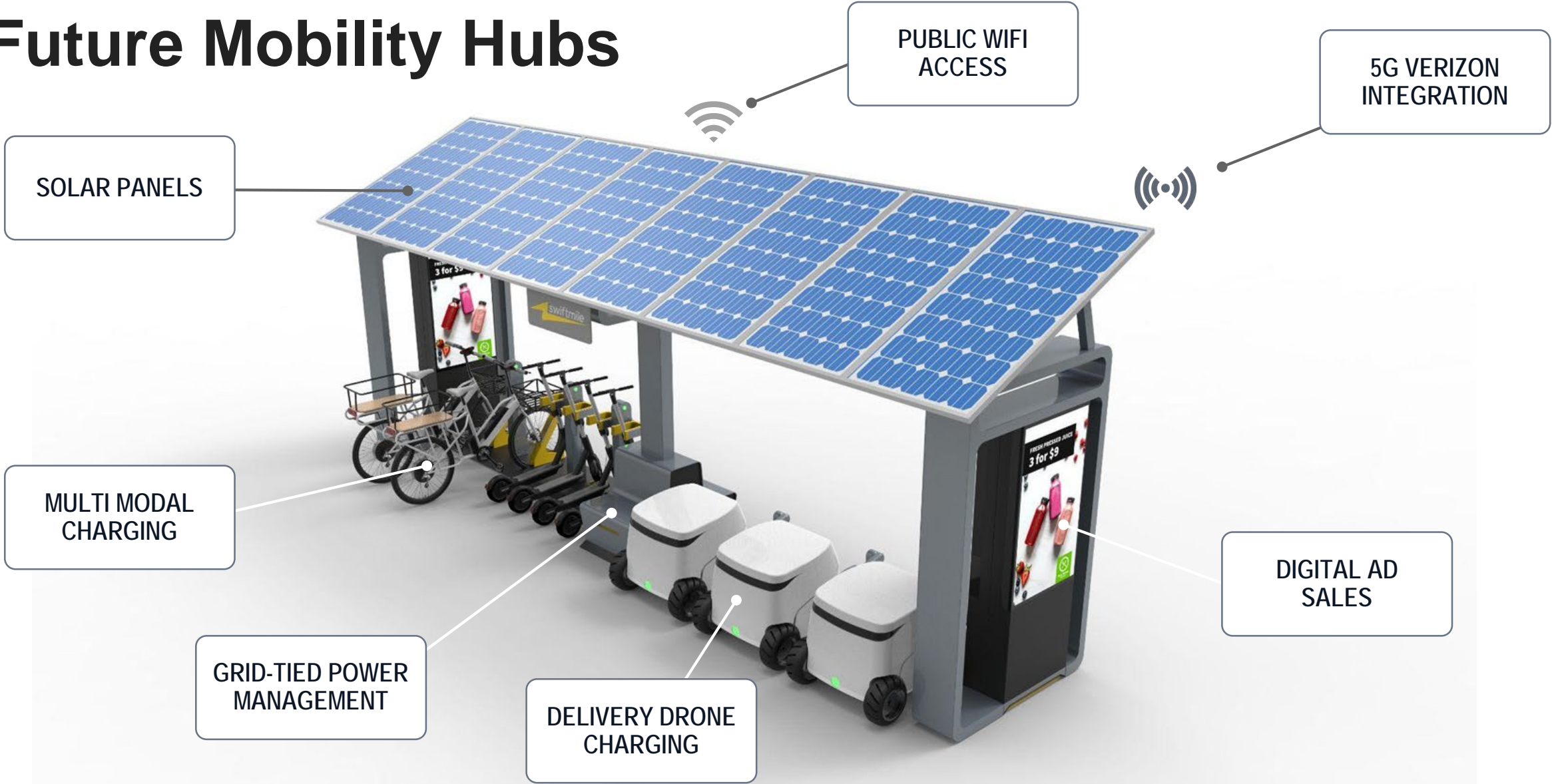


Don't forget about infrastructure



Swiftmile

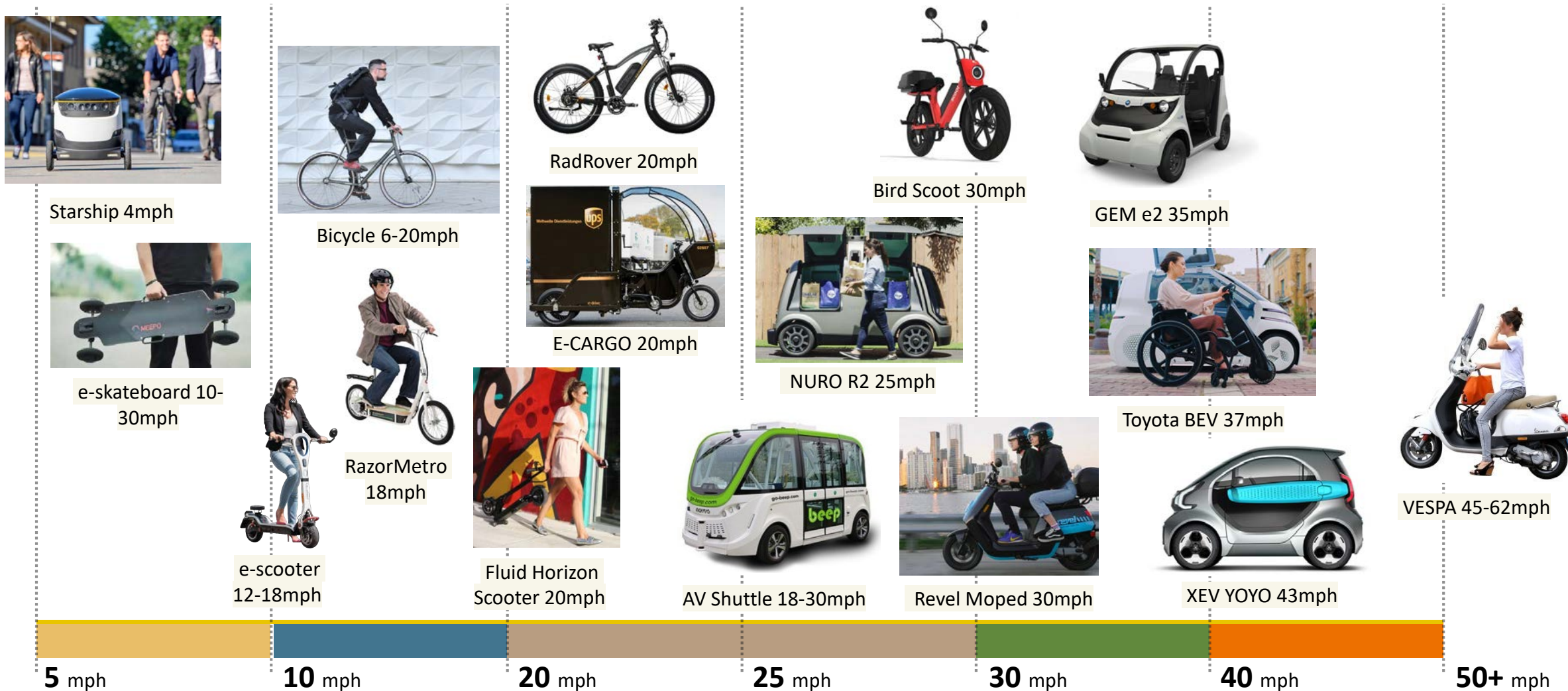
Future Mobility Hubs





Programmable Streets

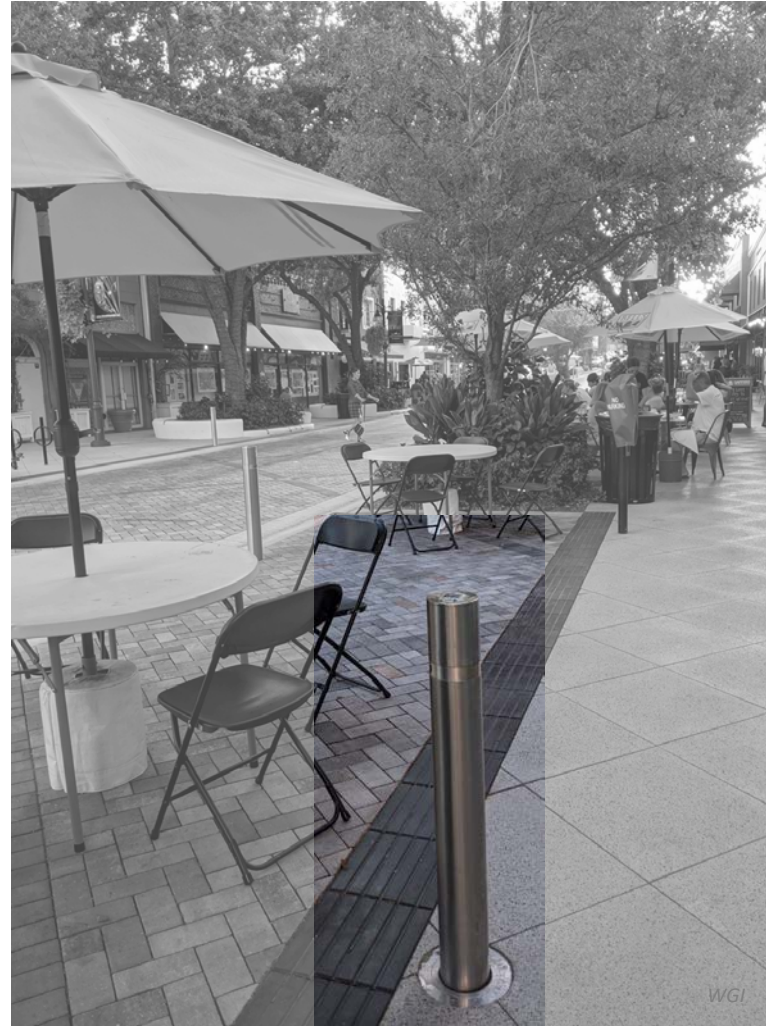
The Challenge: More Modes, Lower Speeds, Same Infrastructure



Infrastructure Opportunity: The Digitally Programmable Street



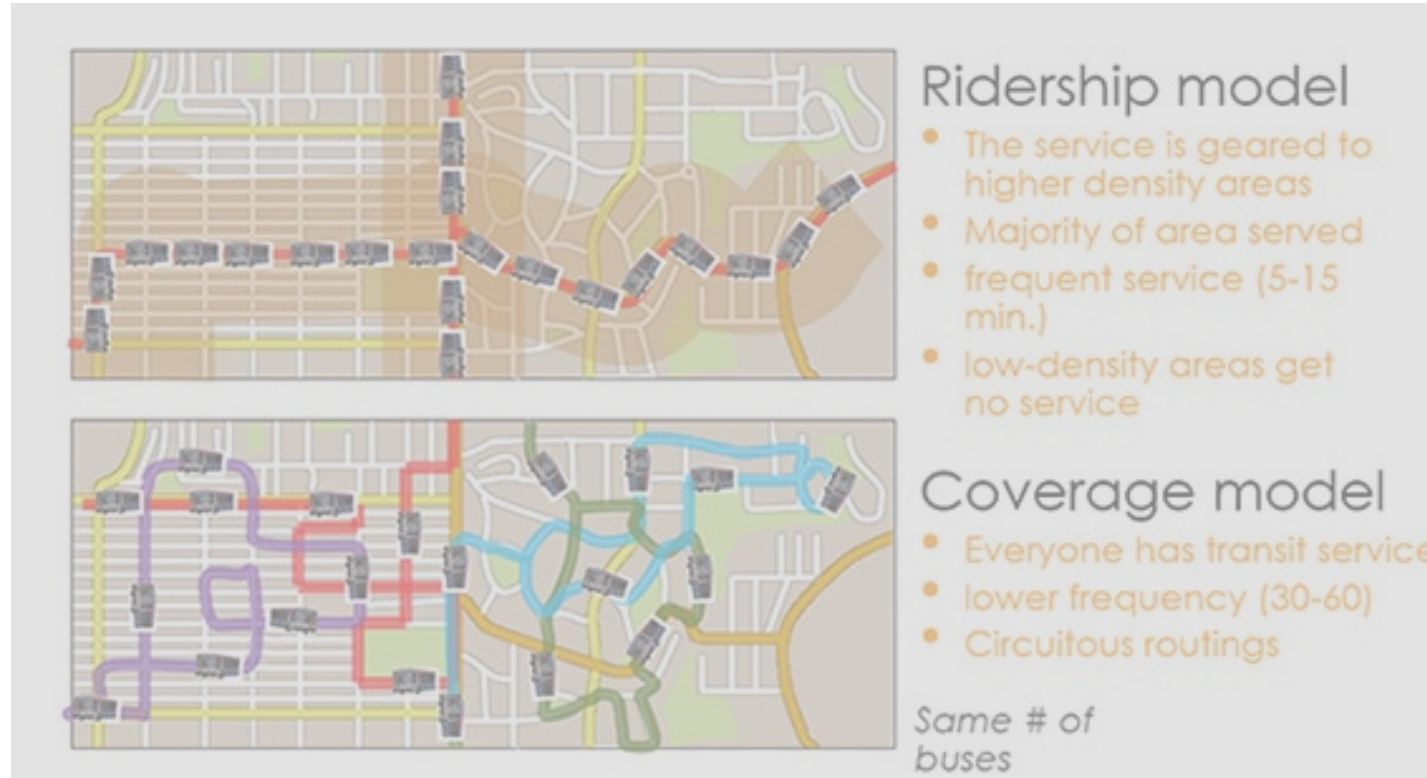
Infrastructure Opportunity: The Physically Programmable Street



The Challenge: Solving The Coverage Versus Frequency Conundrum

ROUTES: FIXED | FLEXIBLE | ON-DEMAND

LANES: SEPARATED | SHARED | MIXED



DRIVER: DRIVER | ATTENDANT | DRIVERLESS

VEHICLES: TRADITIONAL | CUSTOM

Infrastructure Opportunity: Hop-on, Hop Off Circulation



Circulator
CIRCULATOR ROUTE MAP

www.dccirculator.com

Georgetown
M Street
K Street
28th St.
24th St.

Golden Triangle
21st St.
19th St.
17th St.
16th St.

Northwest
14th St.
13th St.

Convention Center
11th St.
10th St.

Downtown
K Street
17th St.
16th St.
14th St.

Convention Center
11th St.
10th St.

Northeast
New York Ave.
New Jersey Ave.
Massachusetts Ave.
1st St.
Columbus Circle & 1st St.

Union Station
Columbus Circle & 1st St.

Southwest Waterfront
Maine Ave.
7th St.
6th St.
5th St.

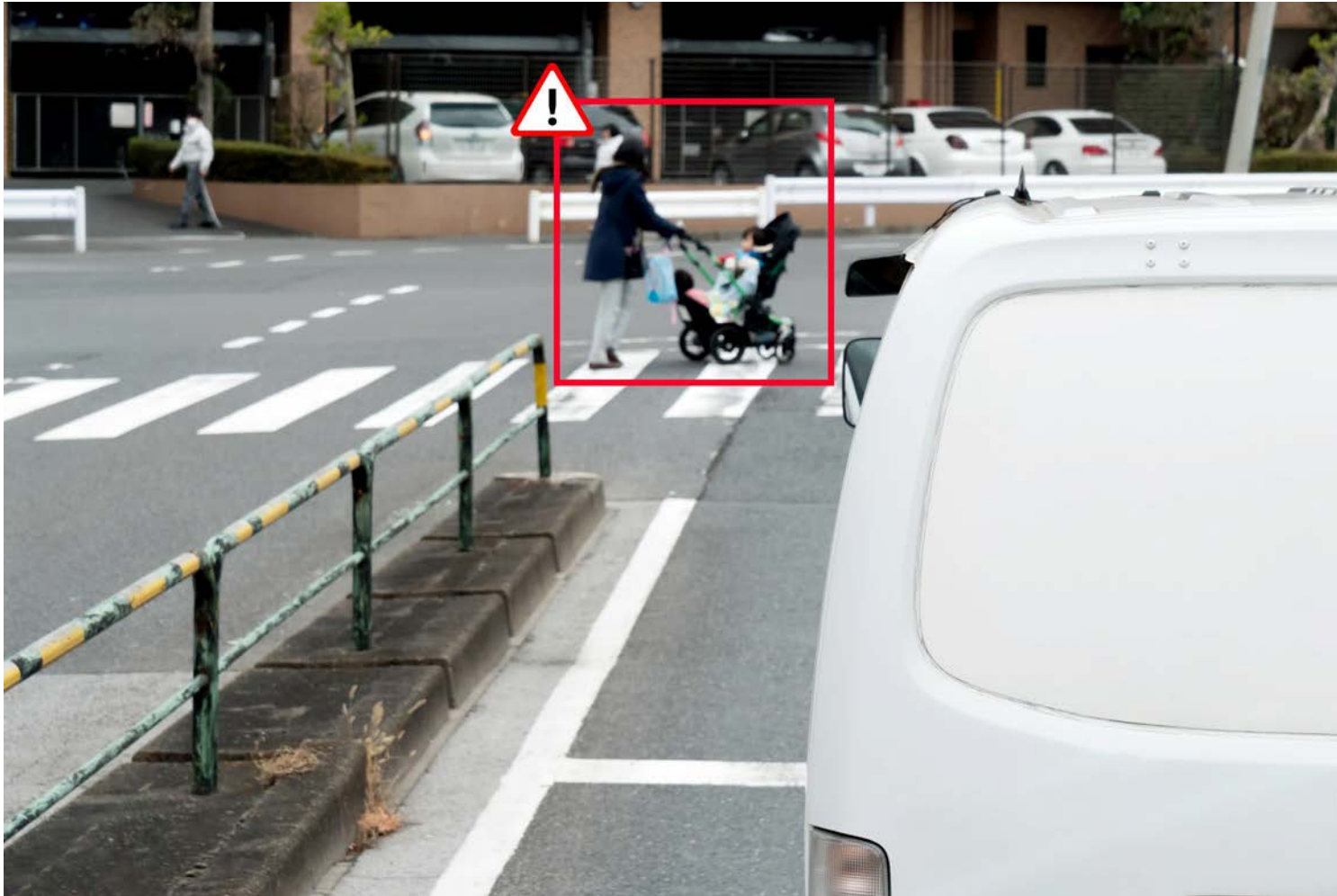
SW Waterfront
Maine Ave.
7th St.
6th St.
5th St.

Legend:
● Bus Stop
● Fare Machine and Bus Stop
↑ North

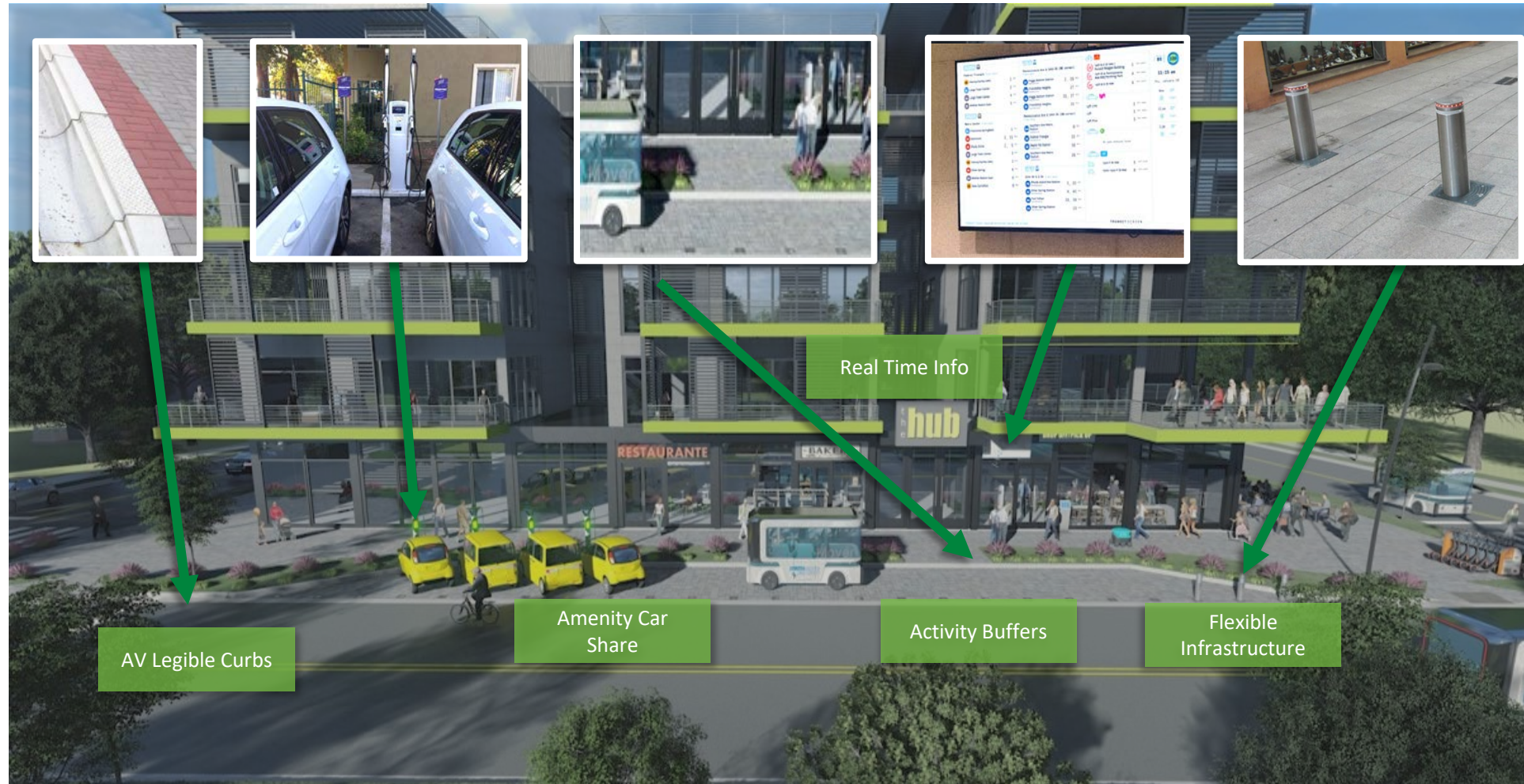
Hours:	Fare:	Payment Options:	Boarding:
Every 5-10 Minutes From 7 AM to 9 PM, Daily	\$1 - Exact Change	• Cash • SmartTrip™ Card	Cash and SmartTrip™ board through the front door only
		• Ticket from a multi space meter • Metro transfer and passes	

WMATA

The Challenge: More Activity, More Code



Design Opportunity: De-risking By Design



Design Opportunity: De-carbonizing the Suburbs

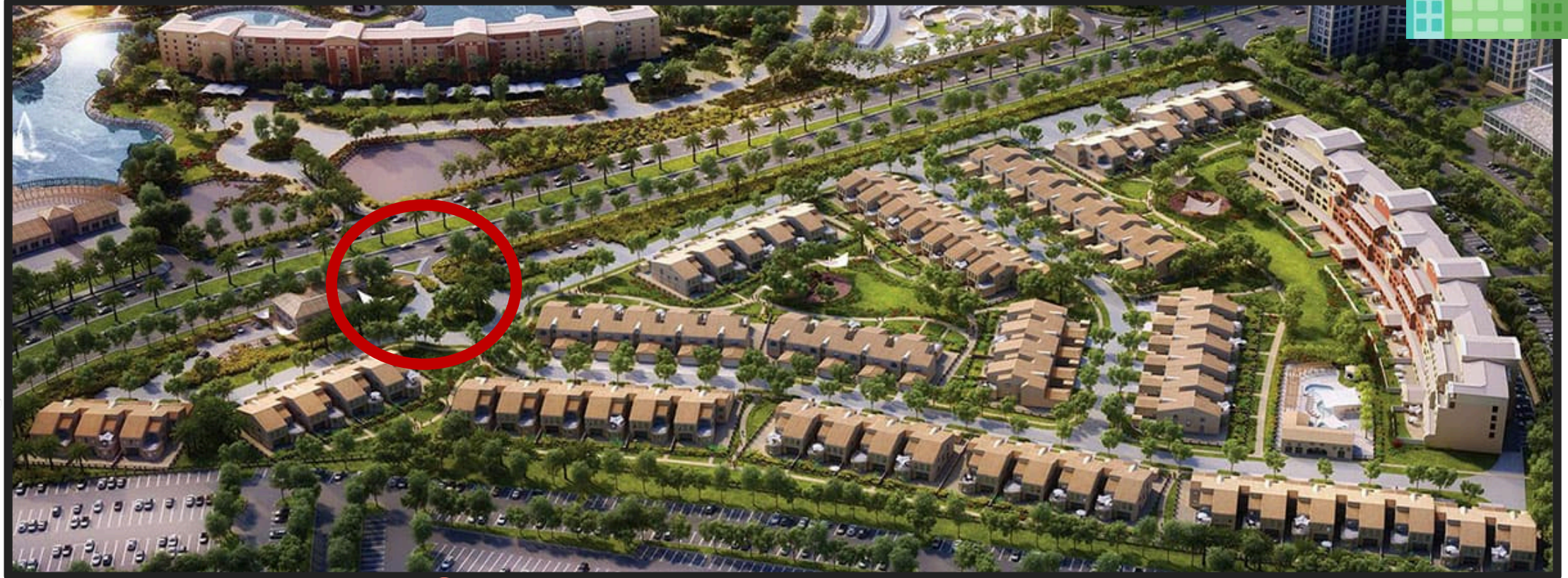


Centralized parcel pick up



AV shuttle transit

Add use mix & density



Package drops
behind fences & on balconies



Entrepreneurs

Deliverybots





Transportation Innovation at Babcock Ranch

Babcock Ranch Overview

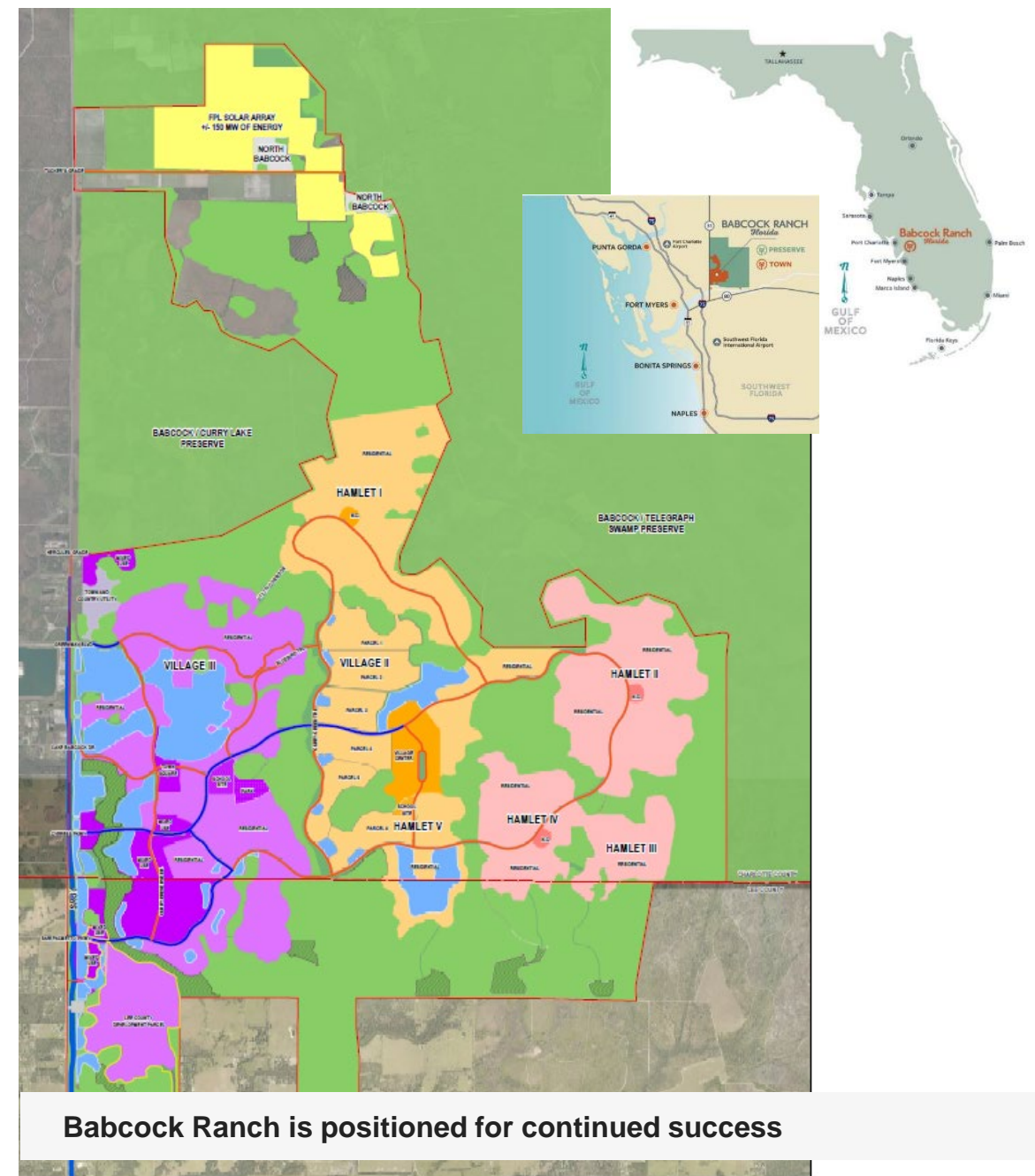
- Flagship in-process development project of Kitson & Partners, a leading Florida REOC focused on smart and sustainable development
- Located in Cape Coral / Fort Myers, one of the fastest growing MSAs in the US¹
- Largest new-town development in Florida: 50,000 future residents across 19,533 homes and 6M SF of commercial space
- Focused on attainable, multi-generational housing
- Surrounded by 130,000+ acres of permanent preservation land and 50 miles of nature trails
- Ownership and control of water / wastewater utility and other operating businesses, including waste management
- Independent Special District²
- ~80% located within a Qualified Opportunity Zone³



Babcock Ranch is among the world's most sustainable, forward-thinking, yet timeless hometowns

Babcock Ranch Overview

- Initial Phase of infrastructure development commenced in Q4 2015
 - Several public builders across 7 active neighborhoods
 - Significant in-place amenities and services
 - Nearly 100k sq ft of existing amenities and commercial development, along with ~83k sq ft shopping center
- 1,087 of 19,533 homes have closed (1,517 homes contracted) at an average price (“ASP”) of \$343k; currently housing over 2,700 residents
- Babcock Ranch also owns and operates the water / wastewater utility, centralized community amenities, and sod and waste management businesses, with plans to add title insurance and brokerage
 - Florida Power & Light-owned 150-MW on-site solar plant operational today
 - Babcock Neighborhood School opened in 2017, with ~500 students enrolled today; high school under construction



Innovation & Technology at Babcock Ranch

Community-Wide Connectivity

- Proprietary KeyLink smart-community app
- 1 Gb fiber optic internet service to every home, provided by CenturyLink
- Community-wide access to free public Wi-Fi
- Smart home functionality

Electric/Autonomous Vehicles & Transportation Alternatives

- Designed to support mobility innovations and solutions
- Ideal testing ground
- First community with closed-loop electric autonomous transportation system

Innovative Environment

- Co-working space for entrepreneurs and small businesses
- 18% of homeowners work full-time from home
- Weekly activities, classes and cultural programming
- Charter school focused on GreenSTEAM curriculum

Babcock Ranch Autonomous Vehicle Pilot Program

Create a transportation system that is so compelling, residents conclude they don't need to own an automobile:

- Integrated, autonomous, shared, tailored, electric
- Moving people and goods, residents and visitors

Use Babcock Ranch as a living learning laboratory to attract strategic collaborators

Profitably expand Babcock Ranch transportation services to other communities in Florida





Opportunities

Challenges & Barriers

**Arriving at the
right mobility
mix**

**How to move
forward**

Thank you

QUESTIONS

