SMART CITY BUILDING BLOCKS:

CHANGING PHYSICAL INFRASTRUCTURE & ADOPTING NEW TECHNOLOGY

CPA ACS
Canadian Parking Association
Association canadienne du stationnement

CITY OF SURREY
the future lives here.

Passport

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What is a Smart City?

5G and smart cities: everything you need to know

By Mike Moore a month ago World Of Tech

Smart cities are nearly here, and could change everything

636 views | Jul 9, 2019, 10:11am

Smart Cities Are Built By Smart People, Not Smart Things

Leveraging AI And IoT For Citizen Security In Smart Cities

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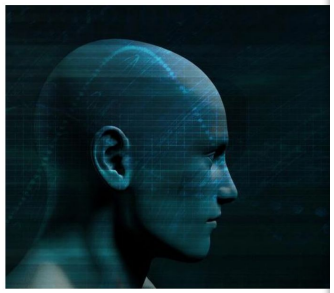
AI & Big Data



See the future: Here are the world's most innovative cities

With urban gondolas and reclaimed green spaces, these urban areas confront challenges with creativity.

BY NATIONAL GEOGRAPHIC STAFF

High hopes: Sidewalk Labs' master plan for the Toronto waterfront is finally here. // Sidewalk Labs

A Big Master Plan for Google's Growing Smart City

Parking management in a smart city

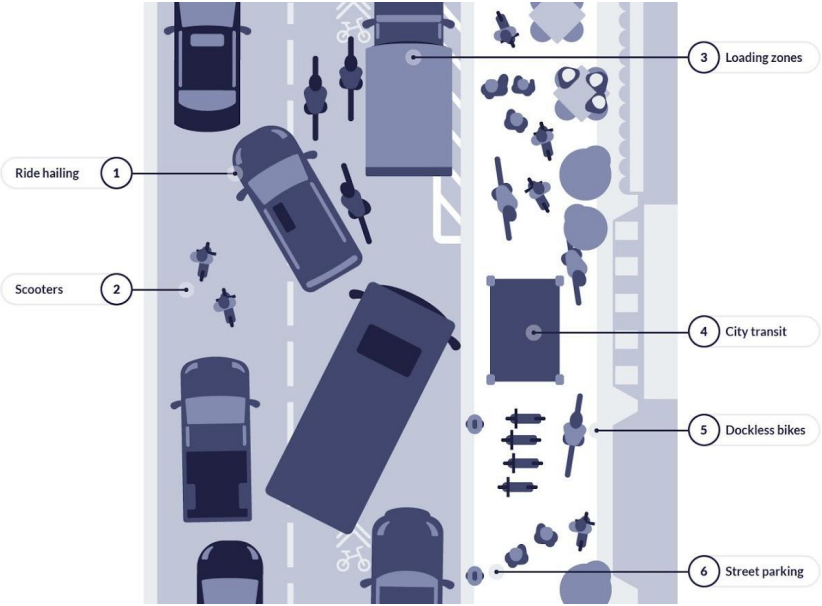
Cities set the rules for parking supply on- and off-street (through zoning), e.g. who can access parking, when, at what rates, etc. Developers and building managers who hire parking managers, are subject to those cities' bylaws, community plans/zoning.

The history of parking payments

- Pay by phone, mid 1990s.
- As the phone morphed into a direction finding/purchasing/entertainment nexus, the potential to “nudge” behaviour, gather data about preferences, and improve customer convenience has evolved beyond mere “pay for space” functionality.

What has changed about on-street parking?

- It is undergoing a revolution: no longer a single utilization demand (i.e. the car)
- Now has to be shared with bike lanes, ride-hailing PUDO, e-bike/bikeshare/e-scooter docking, parklets, flexible event space, etc.
- BUT still a major revenue source, in fact now more than ever,
- THUS, the asset must be managed to maximize yield (financial and utility value)



Cities innovating through mobility management

CHICAGO, IL

FT. LAUDERDALE, FL

WESTMINSTER, LONDON UK

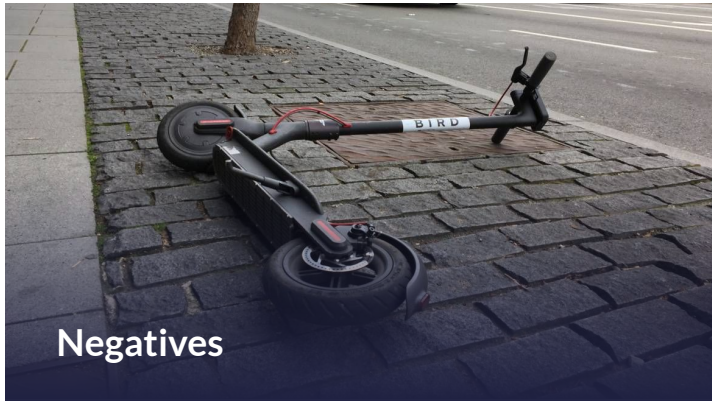
Vancouver, B.C.

CHARLOTTE, NC

DETROIT, MI

Micro-mobility comes with benefits & challenges

- On-demand
- Alternate modes of mobility
- Reduced congestion
- Eco-friendly



- Congested curbside
- Underutilized scooters & bikes
- Safety concerns
- Disconnected regulation

Surrey Innovation Boulevard/Living Lab Project

Surrey Innovation Boulevard/Living Lab project (proving ground for technology seeking commercialization and real-world test platform, a nexus for academic research, tech firm's hard/software deployment, government funding, citizen input). Example: Digital Supercluster search for certification /test platform.

THANK YOU

[QUESTIONS]