

### Transportation: Electric Mobility in the New Smart City

#### **MODERATOR**

Kit Kennedy, Senior Director, Climate and Clean Energy Program PANELISTS

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Table 1. Select Major Cities around the World Involved in E-Taxi Adoption Charging stations Aguascalientes, Mexico 50 Nissan Leaf Amsterdam, Netherlands 650 Tesla S 2,400 stations 225 LEVC TX 1,150 BYD e6 (up to 70K) Beijing, China Bogota, Colombia Brussels, Belgium 5 stations 50 BYD e6 Copenhagen, Denmark 30 taxis NA Hangzhou, China 1.000 BYD e6 NA 9,000 LEVC TX by 2020 London, UK 150 stations Mexico City, Mexico 100 Nissan Leaf Nanjing, China 600 BYD e6 286 stations New York, USA 6 Nissan Leaf 2 stations Rio de Janeiro, Brazil 15 Nissan Leaf Rotterdam, Netherlands 25 BYD e6 500 stations Sao Paulo, Brazil 10 Nissan Leaf 5 stations Seoul, South Korea 300 Renault Samsung SM3 Z.E. NA Shenzhen, China 20,000 BYD e6 5,200 stations Taiyuan, China

Mobility API Architecture

Cities

Cities

OCTOBER 11, 2018 © 600

Shared

Tailpipe Emissions =

ownership, low-occupancy

Х

Energy/unit

EVs







C2 SMART

CONNECTED CITIES WITH
SMART TRANSPORTATION

#### **Prof. Joseph Chow**

WØRLD

ECONOMIC FORUM

Deputy Director, C2SMART University Transportation Center Assistant Professor, Dept Civil & Urban Engineering

Congestion pricing scheme	Manhattan	Non- Manhattan	Total
Area-based	+\$30.83	-\$13.00	-\$8.17
Distance-based	+\$34.83	-\$12.00	-\$6.83

6000
5000
4000
2000
1000
0 neighborhoods (7/p code)
0 cithike real trips | e-scooler trips

Forecast of impact of congestion pricing schemes on average consumer surplus per trip

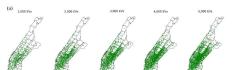
**E-micro mobility** 

#### **Electric fleet planning**

15% fleet Nissan Leaf

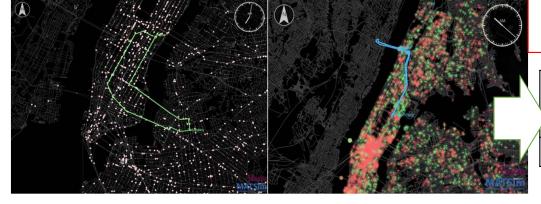
Zurich, Switzerland

Note: NA = not available

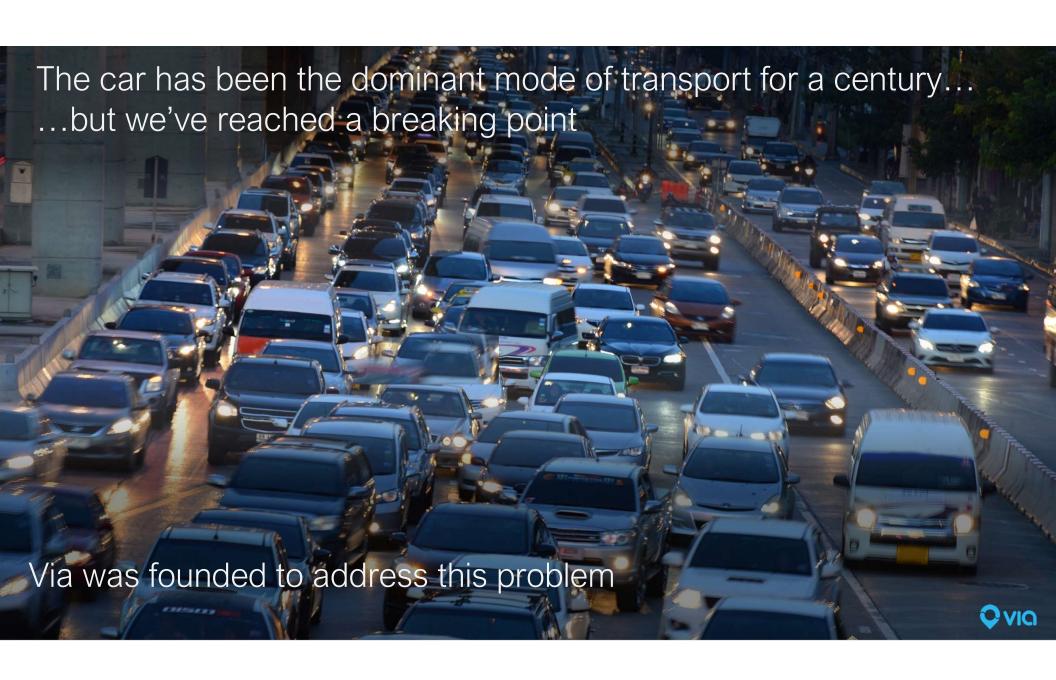


4.000 PO

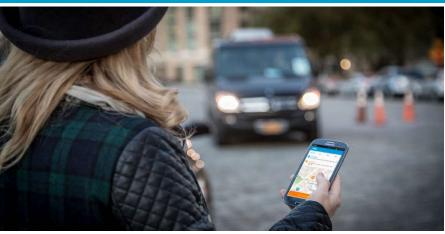
**VIRTUAL TEST BED** for evaluating emerging transportation technologies and operating policies



transit taxi



# Via's mission is to build and deploy technology to improve public mobility



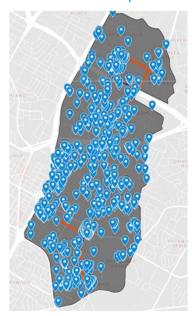


Traditional public transit





Via: on-demand public transit







## Via's technology is deployed across the globe in partnership with cities, public transit authorities, and corporations

75+
Deployments

70mm Shared rides

20 Countries

