

ELECTR∞*ON*
CHARGING THE WAY FORWARD

December 2018

THE CURRENT EV TECHNOLOGY CAN NOT SUPPORT THE 2030 REVOLUTION

More zero-emission vehicles will mean better air quality, Gov. Jerry Brown promises while signing new laws



(Los Angeles Times)

LA Times, 2017

12 global cities plan to build emissions-free neighborhoods, support clean transit

Each city will create a "major emissions-free zone" and only purchase zero-emission buses starting in 2025

By Patricia Steiner | Oct 25, 2017, 8:15am EDT



People on bicycles and pedestrians enjoy a car-free day on Alexandre III bridge on September 27, 2015 in Paris, France. | Shutterstock

CURBED, 2017

DRIVING FORCE — Dutch government wants all new cars to be emissions-free by 2030

Ambitious goals have drawn skeptics, but NL is following China, France leads.

MEGAN GEUSS - 10/11/2017, 4:30 PM



ars TECHNICA, 2017

שטייניץ מכריז רשמית: מ-2030 תיאסר מכירת מכוניות בנזין וסולר, ייצור החשמל בפחם ייפסק

China electric-car rules to start in 2019; aggressive totals are world's highest

John Voelcker 104 Comments Sep 29, 2017 Follow John



Beijing smog

Green Car Reports, 2017

THE CURRENT SITUATION



High cost, High weight, Range limitation. Limited life time



Charging infrastructure and pollution of the public area

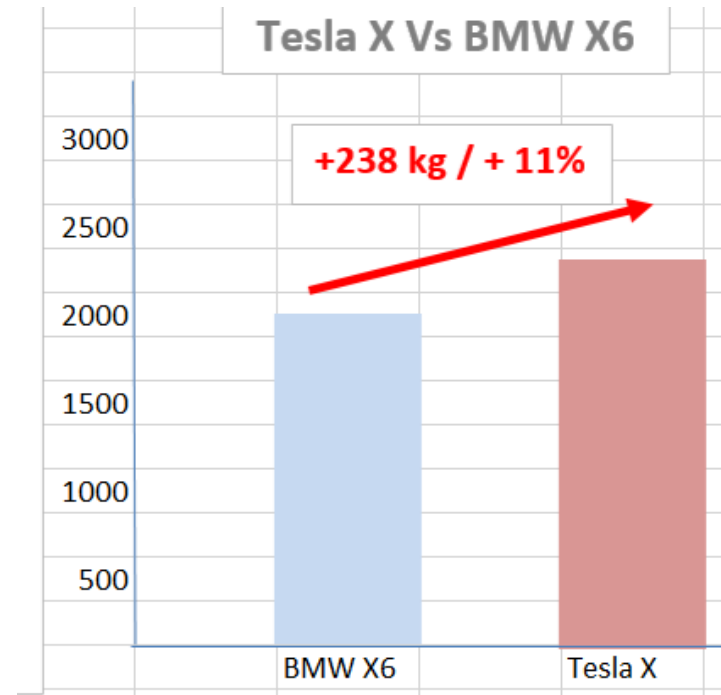
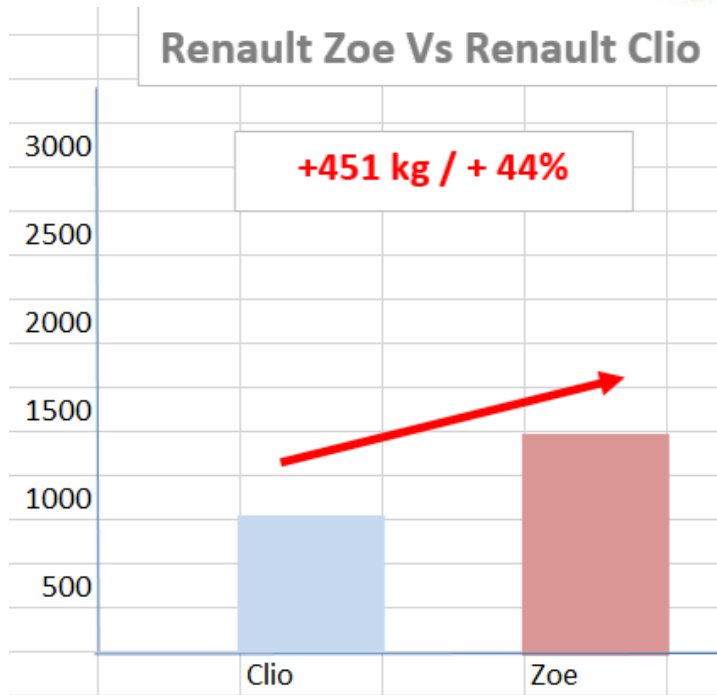


Recycling



Impact on the city's electricity infrastructure

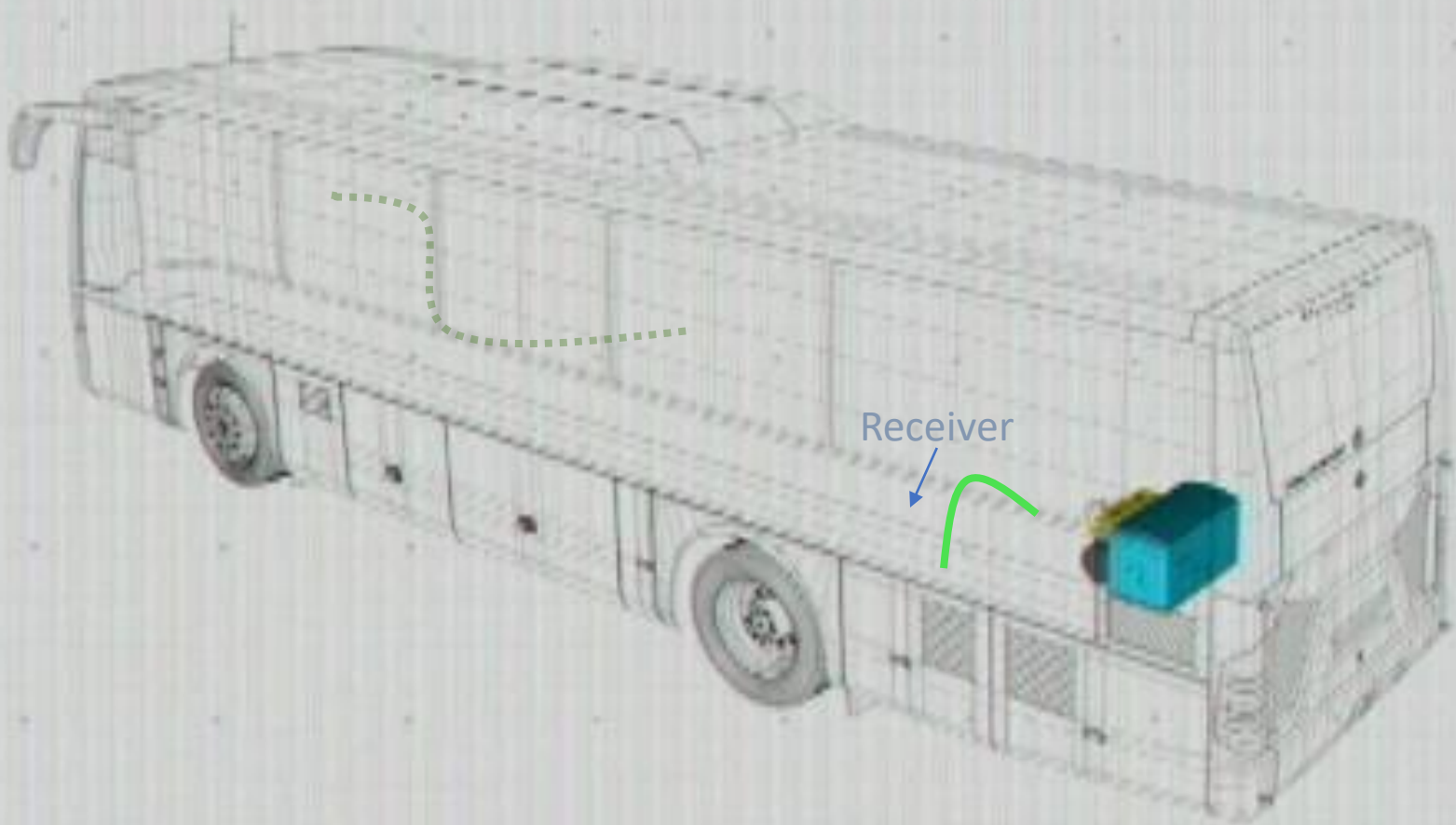
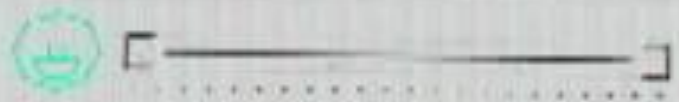




10kg of weight = 1.0 km of range for EV drivetrain



Dynamic wireless charging is a unique technology that has the potential of solving the main barriers in current electric transportation



Receiver

BUS NUMBER: 397 SERIAL NUMBER: 25003917



STANDARD 100% COTTON
MADE IN
USA
100% COTTON
100% COTTON
100% COTTON

MADE IN
USA
100% COTTON
100% COTTON
100% COTTON

MADE IN

MADE IN

MADE IN

THE MAIN ADVANTAGES OF ELECTROAD'S SOLUTION



Provide smart transportation management



Minimal Battery size: cheaper, lighter, more efficient



No need for charging stations – saving land resources



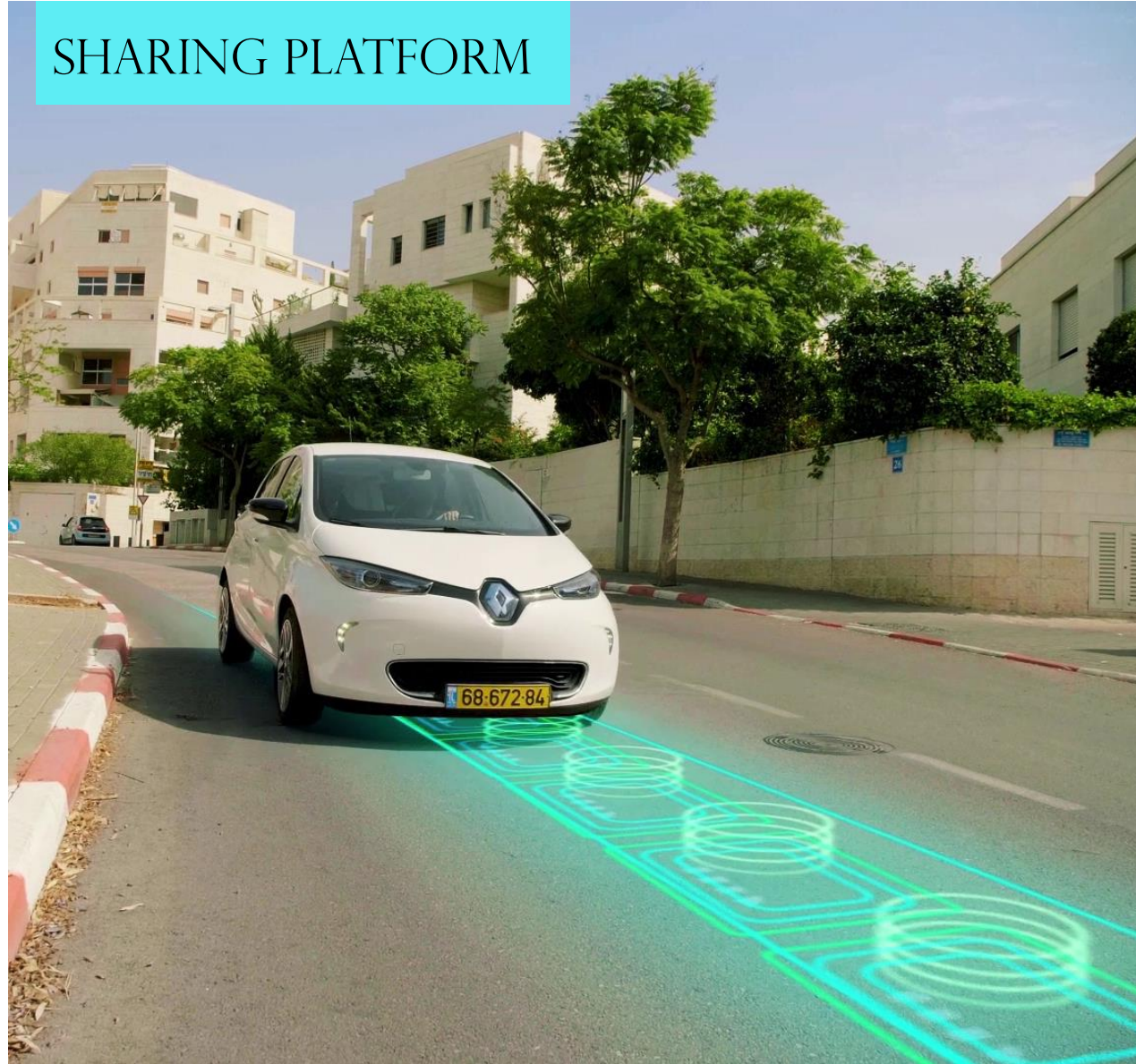
Support all types of electric vehicles



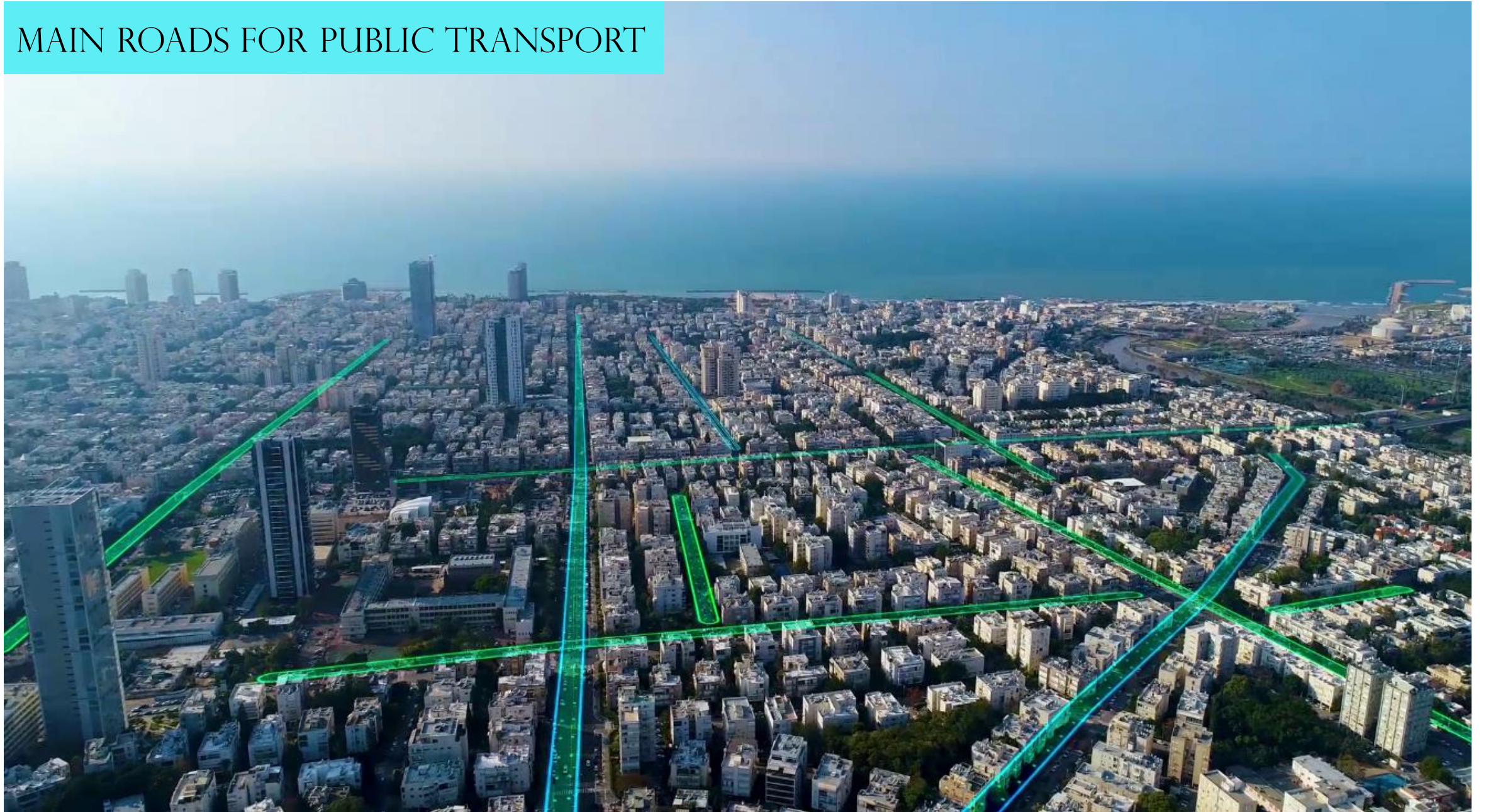
No Charging time: optimal operation of public and autonomous fleets



SHARING PLATFORM



MAIN ROADS FOR PUBLIC TRANSPORT



CITY PLANNING

- ISYD 5I
- 3RVT BBTJVV
- FHQ5 9D
- HHV9 H
- YBEE JCRR34
- GG14 HCV0
- ISYD 5I
- GG14 HCVUF050
- ISYD 5I
- 3RVT 8B
- FHQ5 9D
- 86 GRHHV9 H
- COCRR23 -123
- YBEE JC



The city of Tel Aviv	
Number of buses	850
Number of Taxis	1000
Number of Delivery tracks	100
Number of Chargers along the city	1000



REVEN



POWER CONTROL 100%

SAVING \$ 556 MILLION IN 16 YEARS

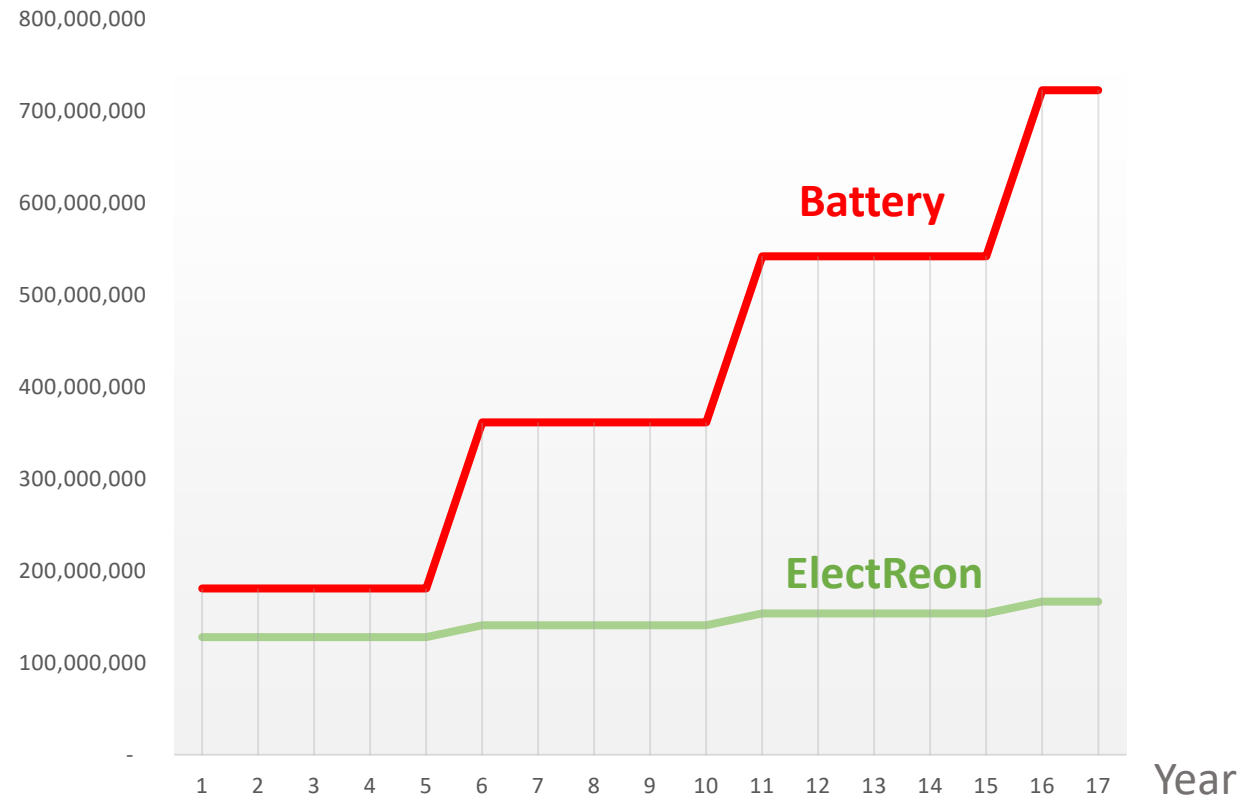
320 km of electric roads



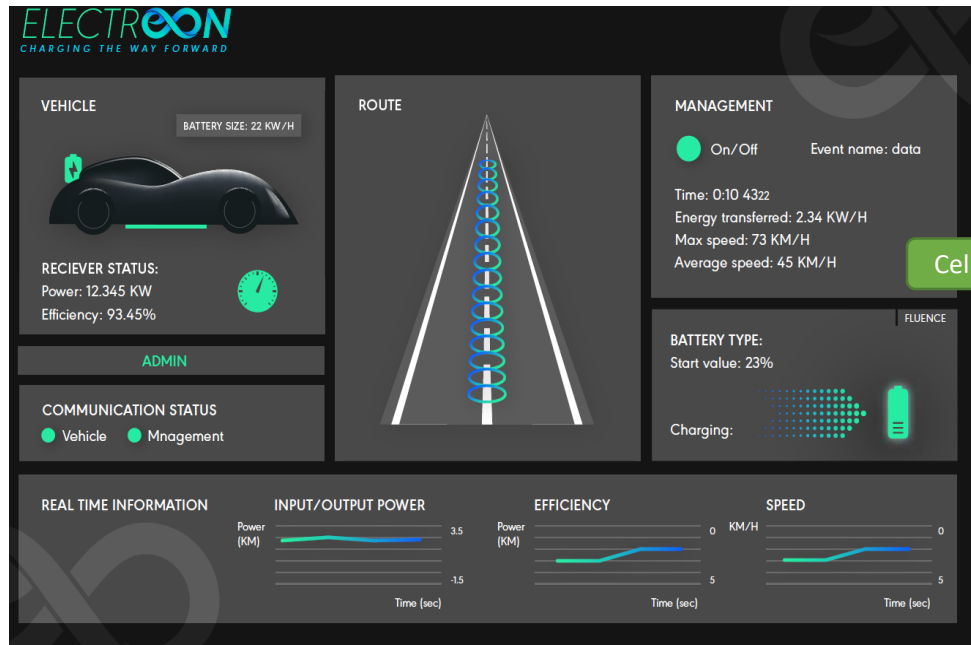
Electric Road:
Sharing platform instead of individual solution

\$M

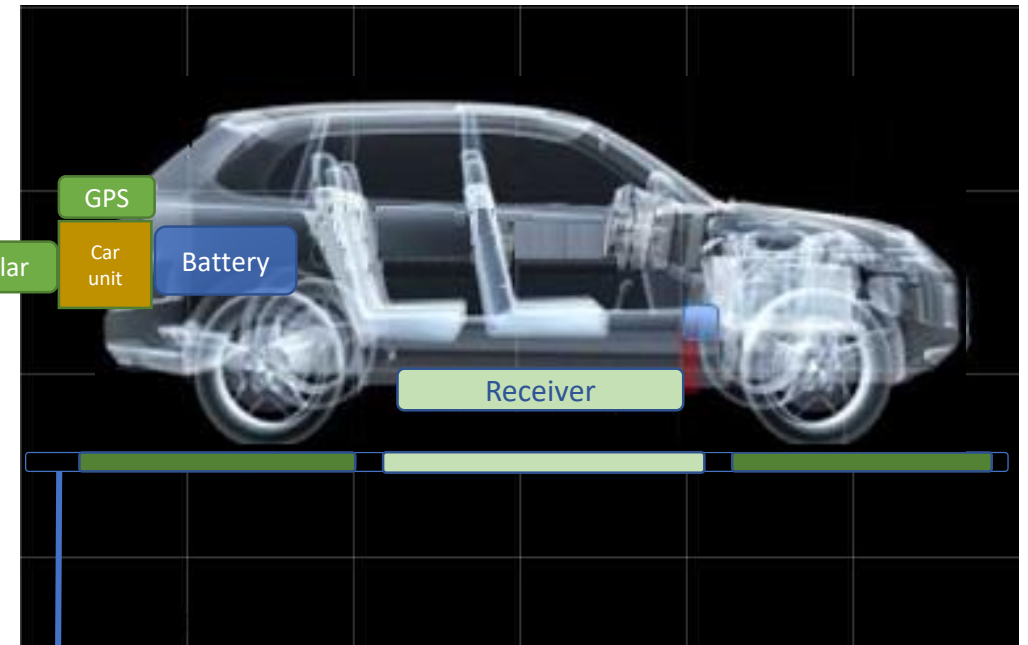
Pubic Transportation -Tel Aviv



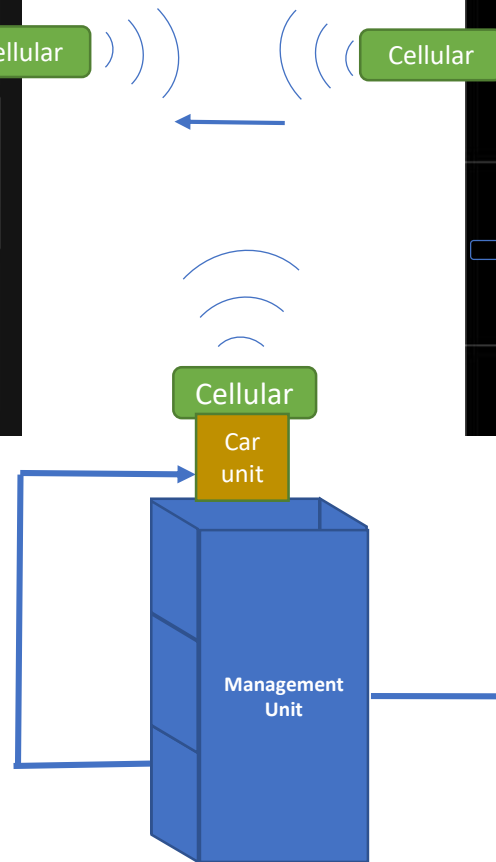
REAL TIME MANAGEMENT SYSTEM



Control Unit



Road Infrastructure



Management unit

FUTURE TRANSPORT IN A CITY



Electric Public transportation



Autonomous buses of different sizes



Open to the public 24/7

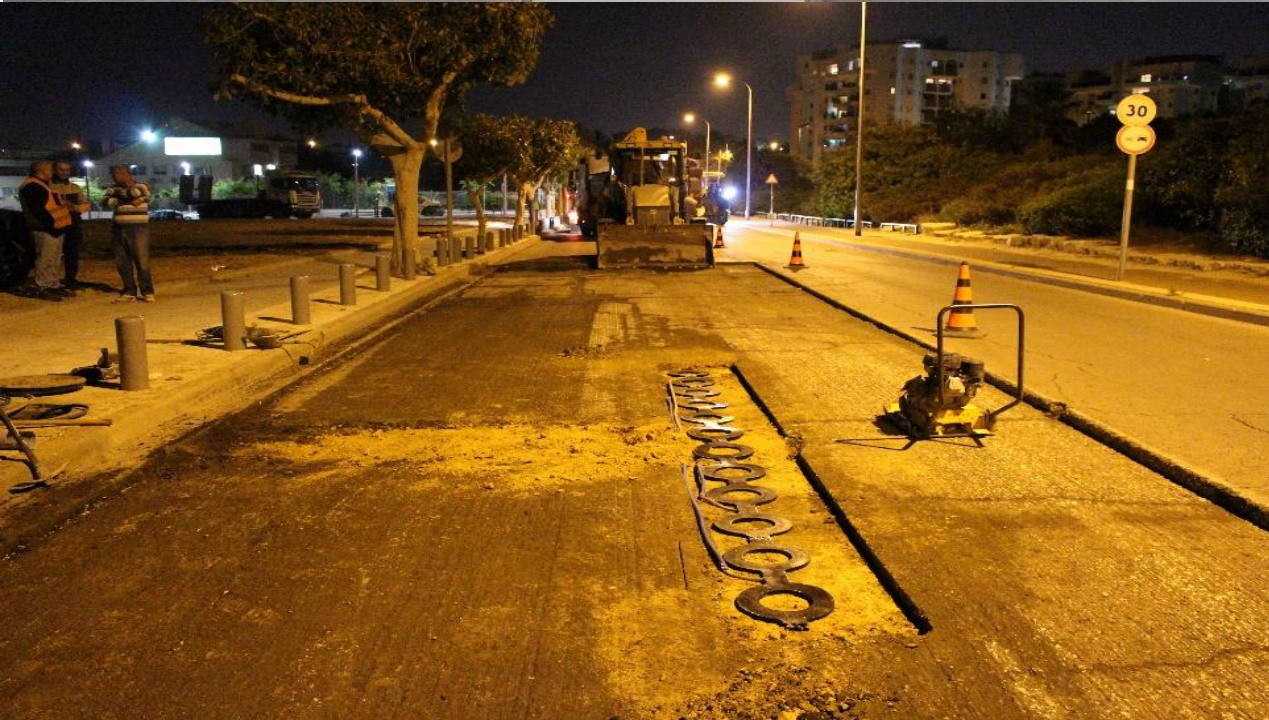


Maximum frequency



Minimum monthly cost





THE FIRST SMART ROAD CITY IN THE WORLD



GLOBAL EV LEADER TESTING ISRAELI SMART ROAD TECH



NEXT STEPS



Q2 2019: Full system with an EV



Q4 2019: Full system with a bus



Q1 2020: Autonomous car





Smart Road

The optimal solution for electric and autonomous vehicles