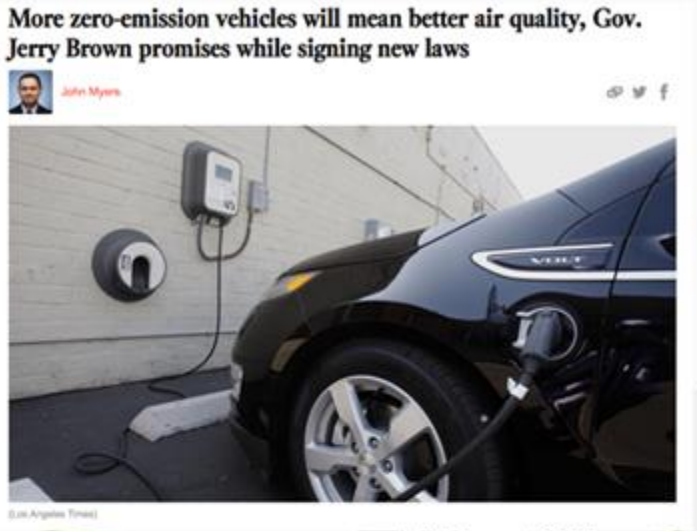
ELECTROON

CHARGING THE WAY FORWARD

December 2018

THE CURRENT EV TECHNOLOGY CAN NOT SUPPORT THE 2030 REVOLUTION

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



LA Times, 2017

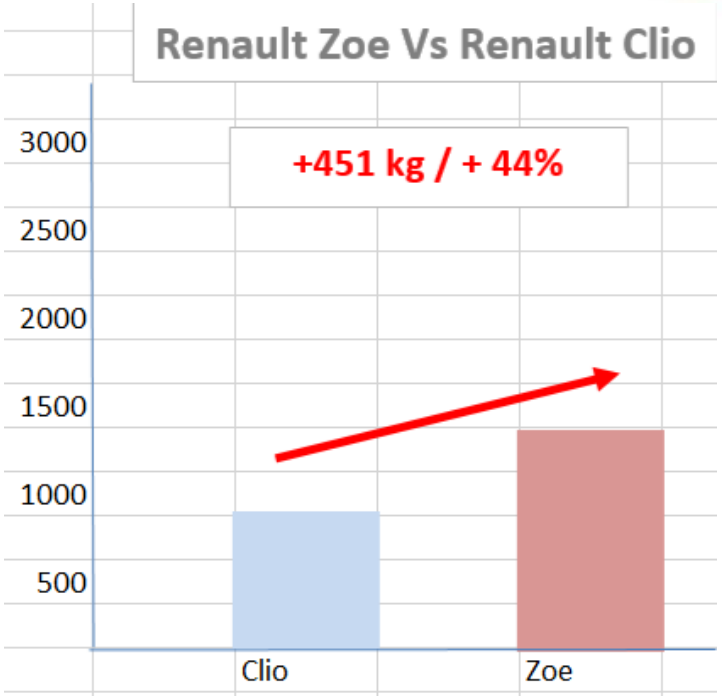
CURBED, 2017

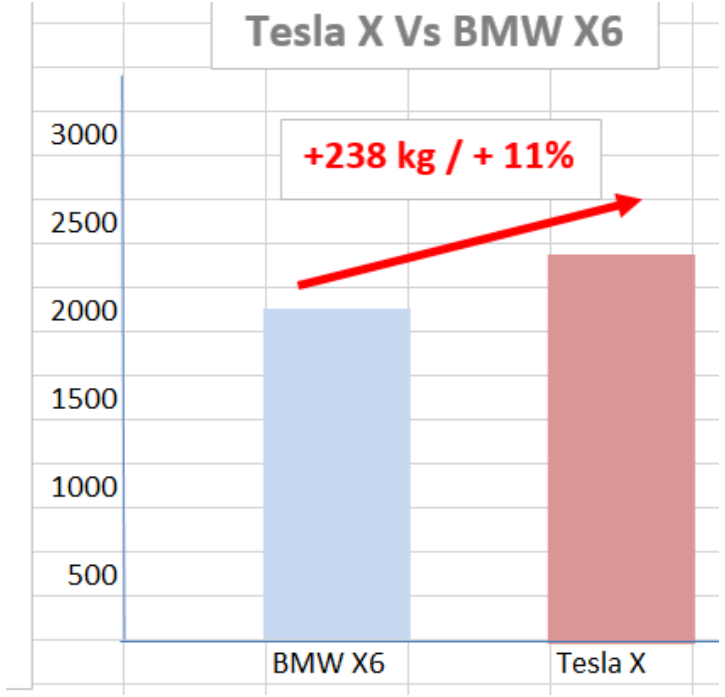
ars TECHNICA, 2017

Green Car Reports, 2017

THE CURRENT SITUATION

1. High cost, High weight, Range limitation. Limited life time
2. Charging infrastructure and pollution of the public area
3. Recycling
4. Impact on the city's electricity infrastructure





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

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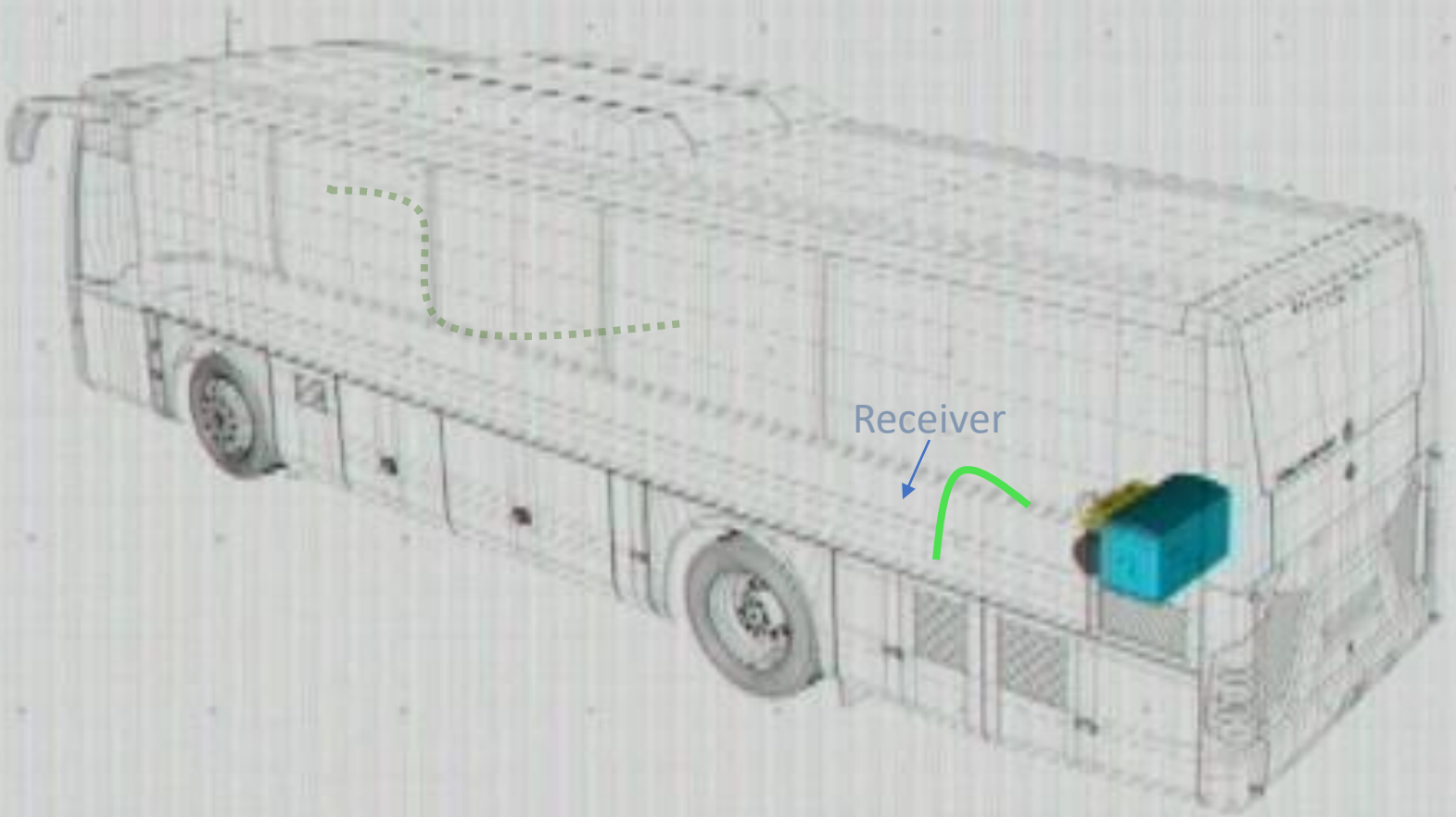
Dynamic wireless charging is a unique technology that has the potential of solving the main barriers in current electric transportation

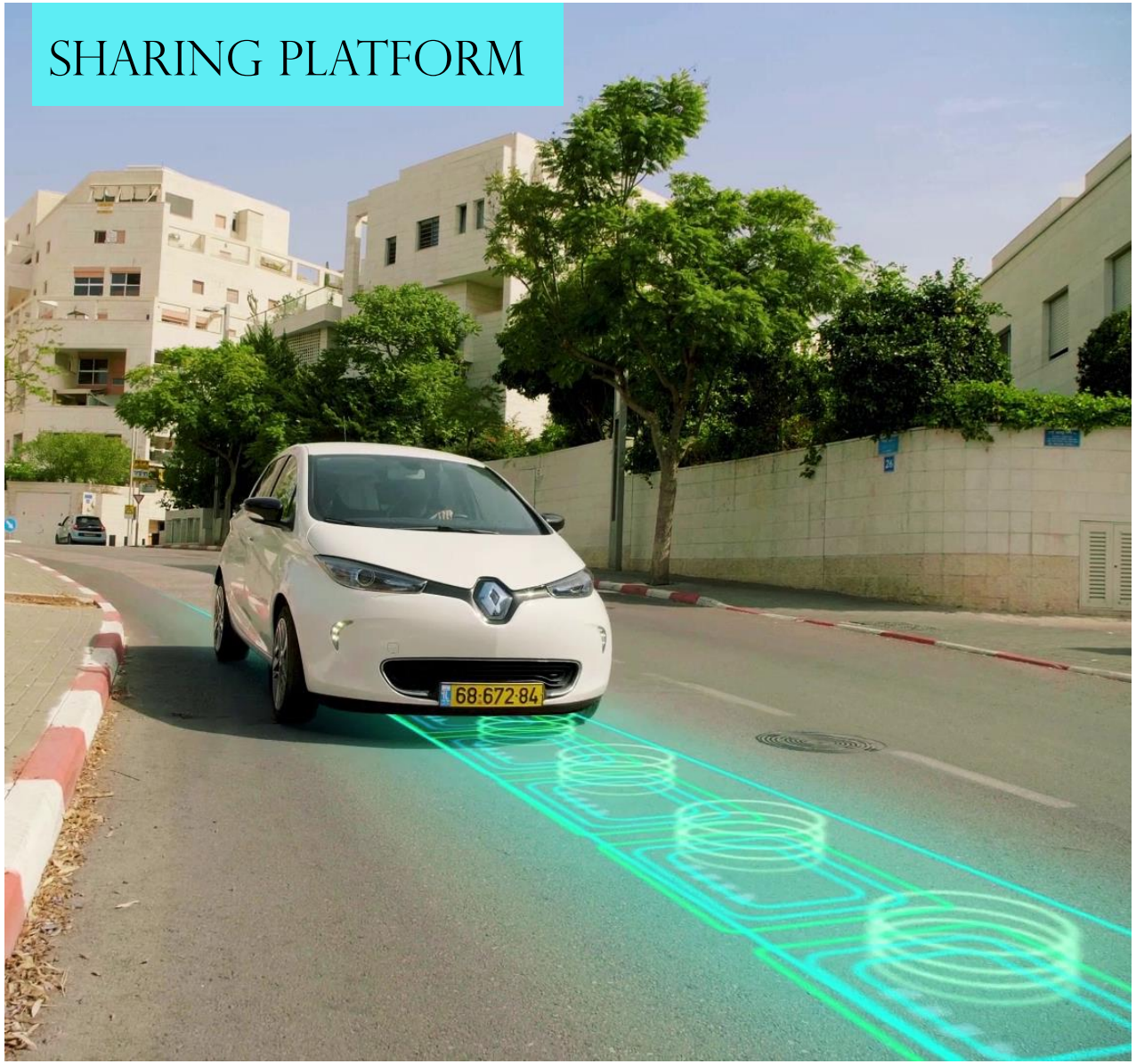


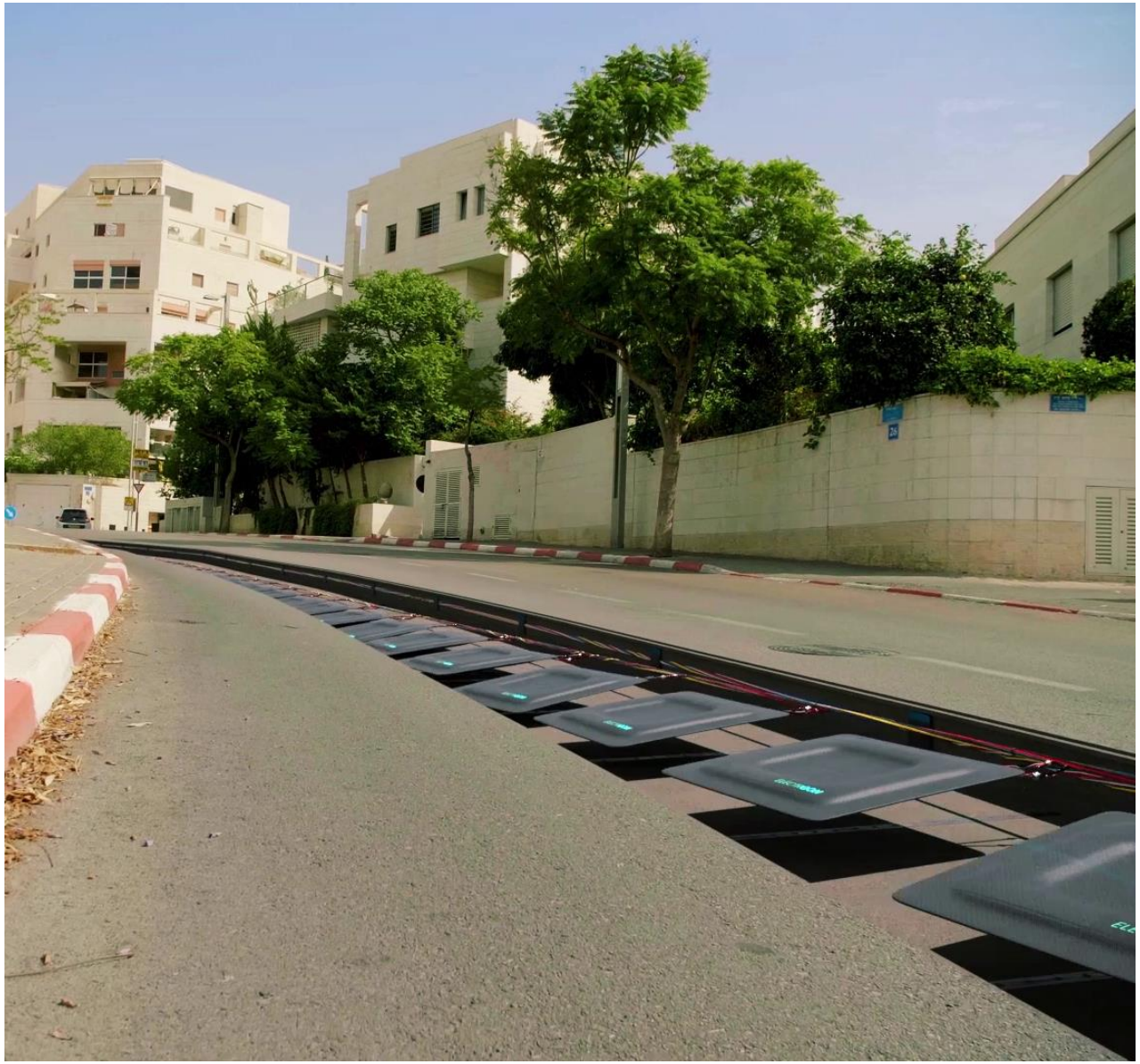
BUS NUMBER: 397 SERIAL NUMBER: 05003917

THE MAIN ADVANTAGES OF ELECTROAD'S SOLUTION

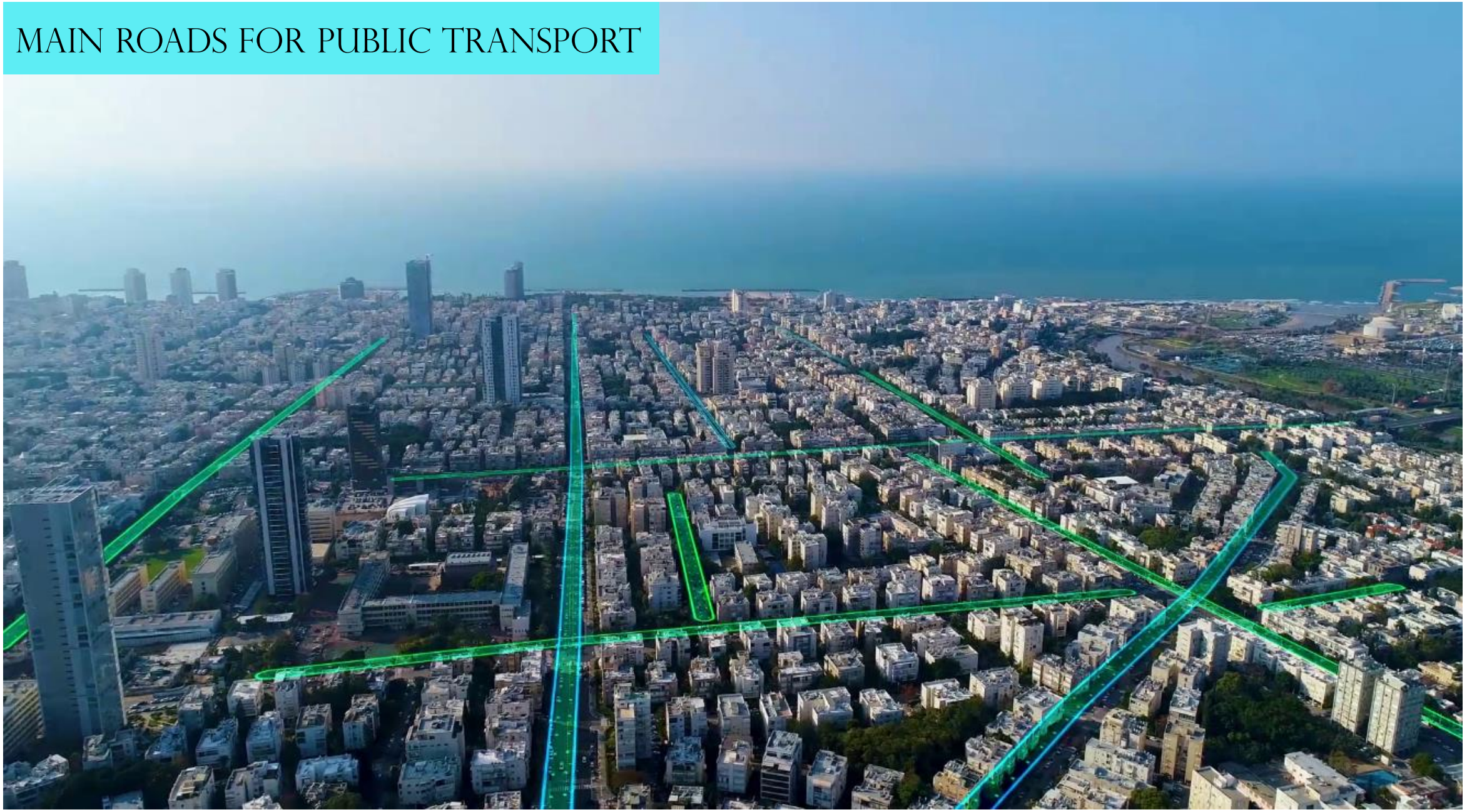
1. Provide smart transportation management
2. Minimal Battery size: cheaper, lighter, more efficient
3. No need for charging stations – saving land resources
4. Support all types of electric vehicles
5. No Charging time: optimal operation of public and autonomous fleets

SHARING PLATFORM





MAIN ROADS FOR PUBLIC TRANSPORT



CITY PLANNING

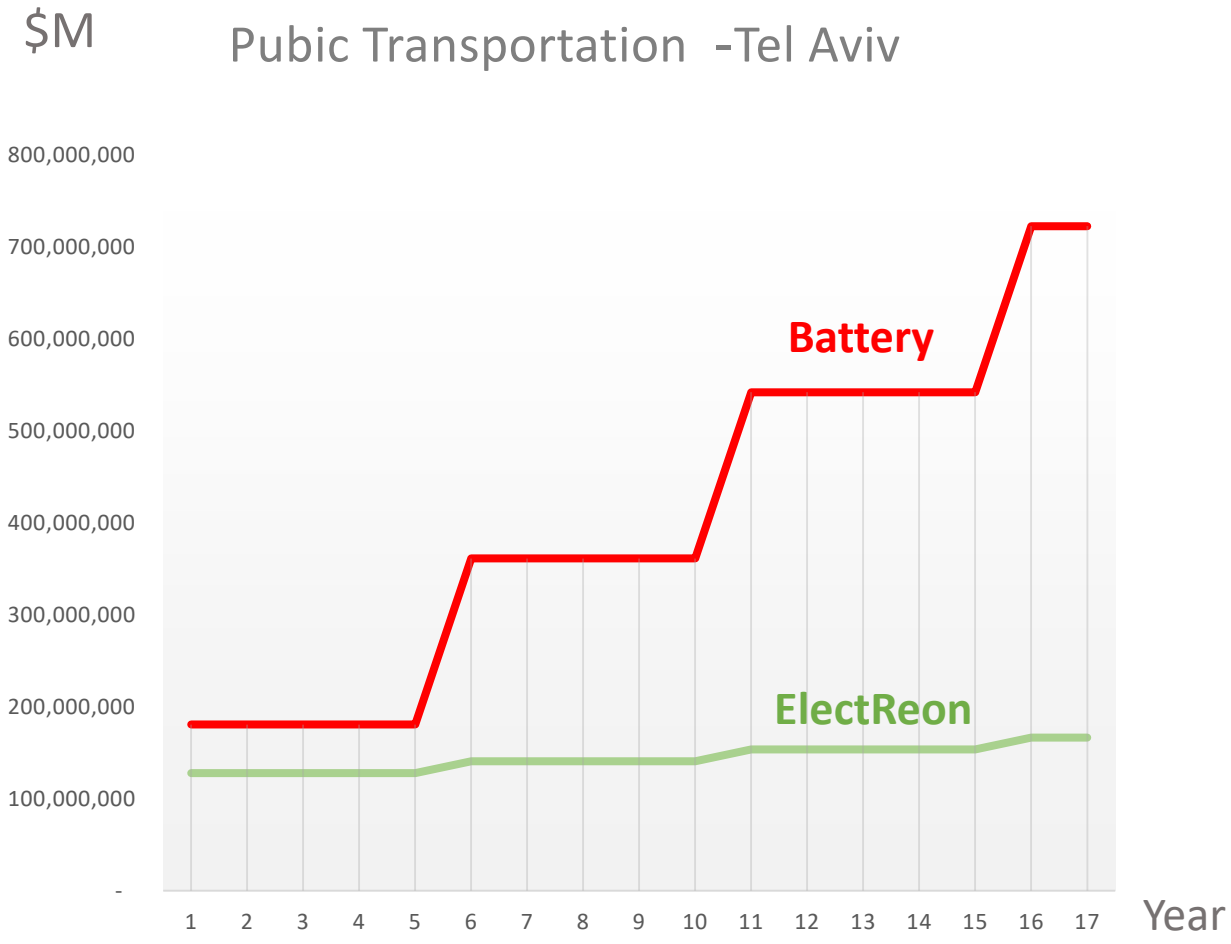
The city of Tel Aviv	
Number of buses	850
Number of Taxis	1000
Number of Delivery tracks	100
Number of Chargers along the city	1000

POWER CONTROL 100%

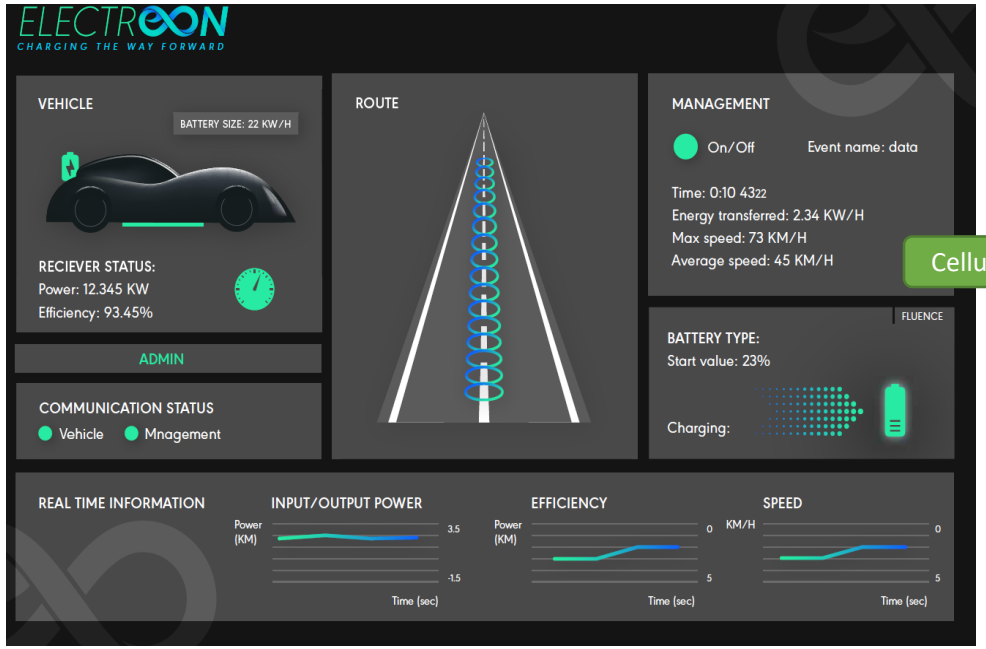
SAVING $ 556 MILLION IN 16 YEARS

320 km of electric roads

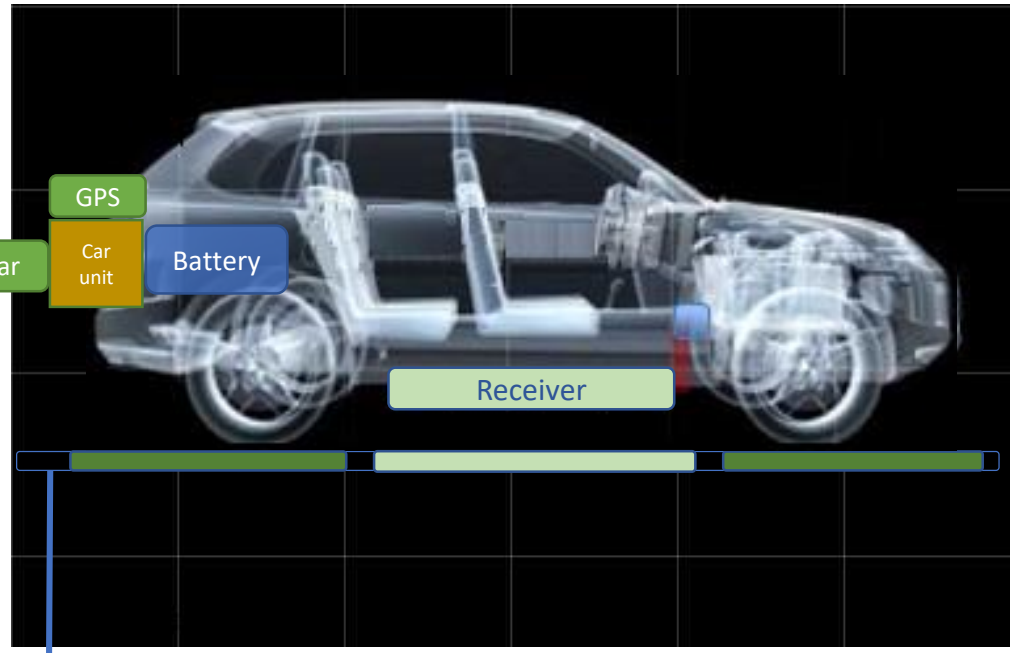
Electric Road:
Sharing platform instead of individual solution



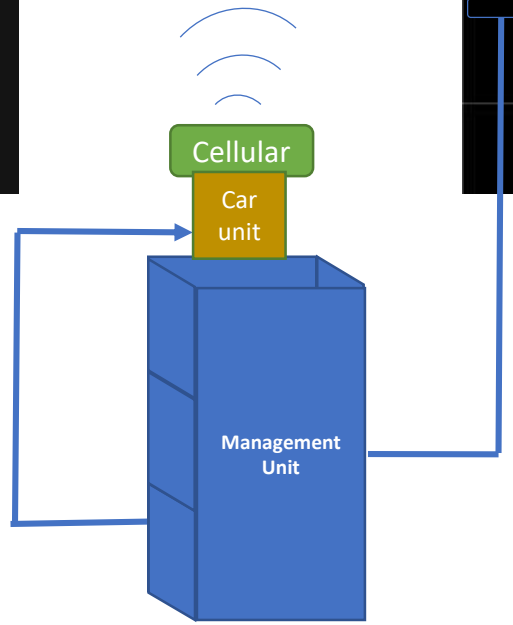
REAL TIME MANAGEMENT SYSTEM



Control Unit



Road Infrastructure



Management unit

FUTURE TRANSPORT IN A CITY

1. Electric Public transportation
2. Autonomous buses of different sizes
3. Open to the public 24/7
4. Maximum frequency
5. Minimum monthly cost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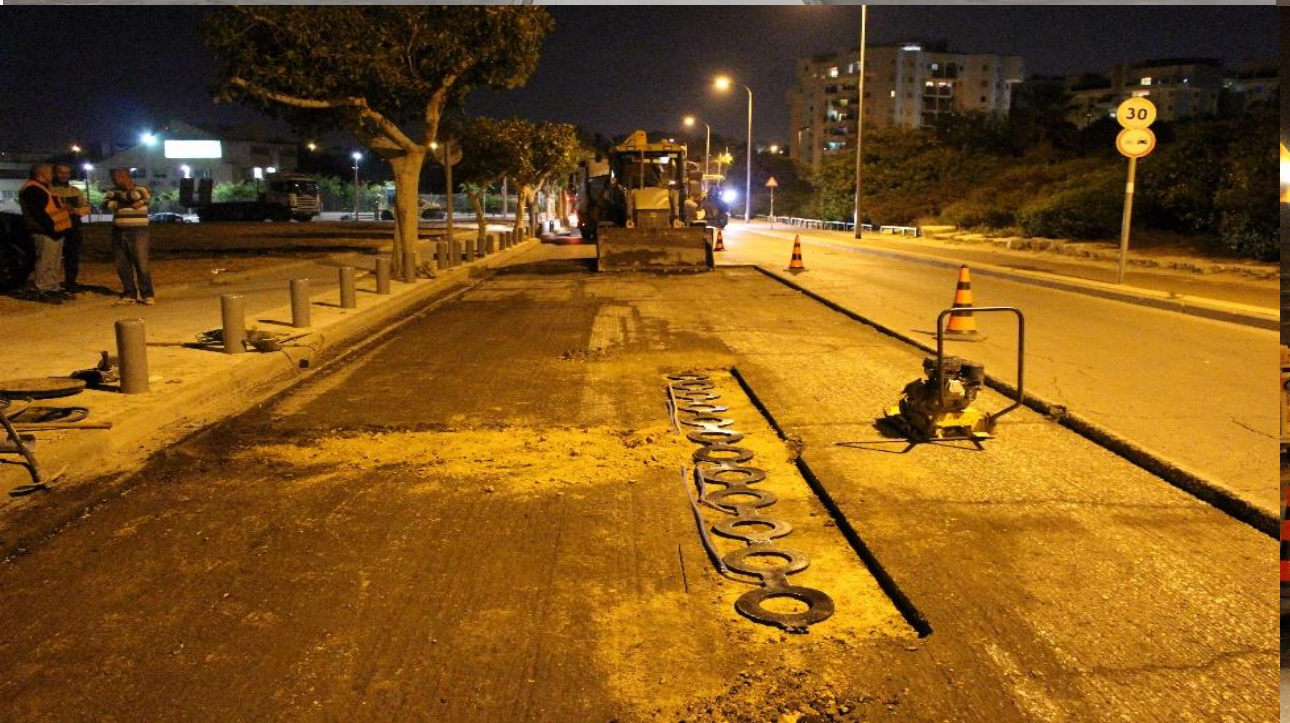
ZOE
THULE
ElectKeen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Wirtgen
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THE FIRST SMART ROAD CITY IN THE WORLD

GLOBAL EV LEADER TESTING ISRAELI SMART ROAD TECH

NEXT STEPS

1. Q2 2019: Full system with an EV
2. Q4 2019: Full system with a bus
3. Q1 2020: Autonomous car

Smart Road

The optimal solution for electric and autonomous vehicles

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