



ELECTREON

CHARGING THE WAY FORWARD

ElectReon presentation
AVERE Webinar, 1/7 2020
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THE BEST WAY TO REDUCE POLLUTION IN U.S BIG CITIES IS BY SHIFTING TO ELECTRIC MOBILITY



THE MAIN CONSTRAINT IS THE BATTERY



Expensive, Heavy, Range limitation,
Limited life time, Recycling



Charging infrastructure-
Complicated, land consuming, visual impact



Long charging time



Heavy on electricity infrastructure



ELECTRIFYING MOBILITY IN BIG CITIES - POTENTIAL CHAOS

1 Millions of commercial and private vehicles with huge batteries

2 Setting individual charging infrastructure for each fleet operators doesn't make sense

3 No real estate available for charging infrastructure

4 The city can't have additional visual hazards



**Electreon is a global leader in developing and implementing
Wireless charging while driving— a shared platform for all types of vehicles**





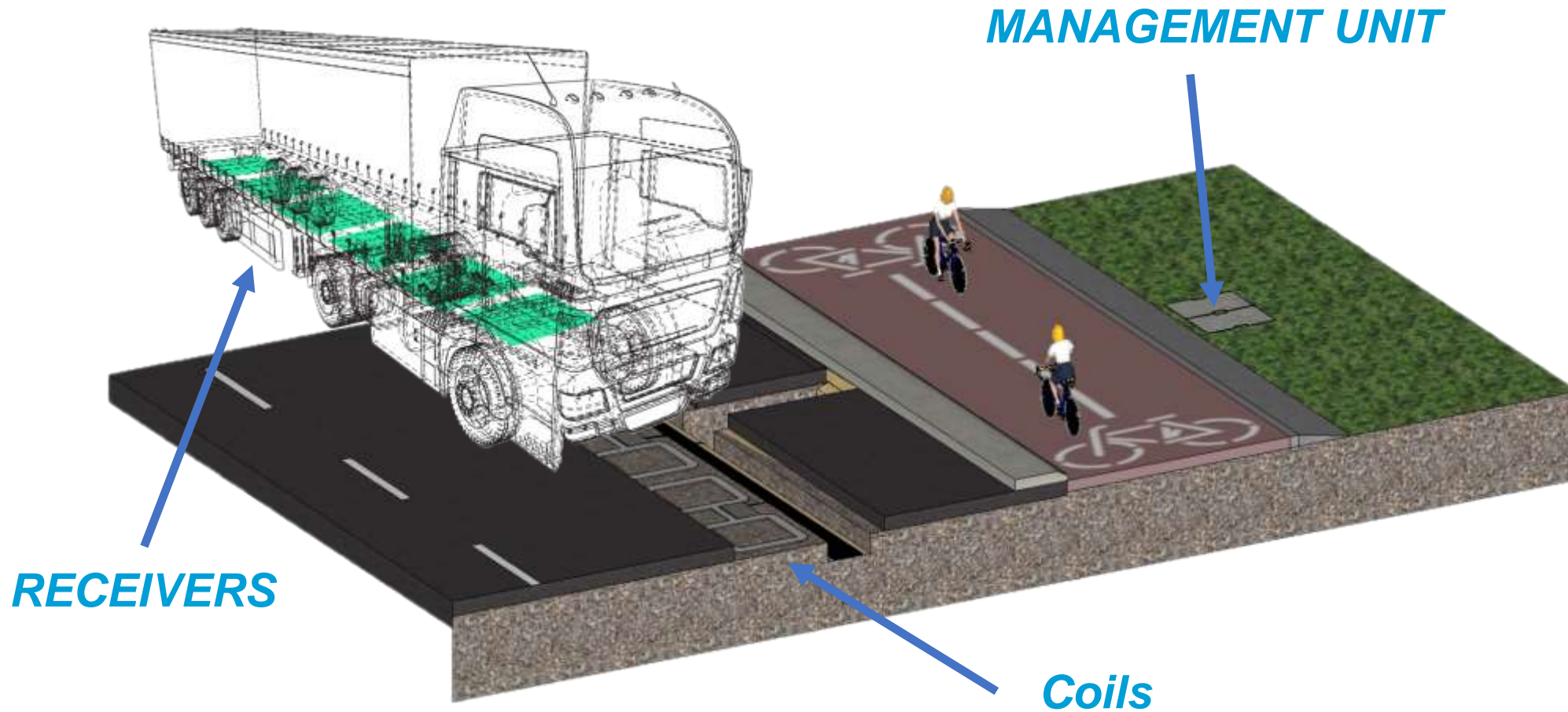
**CONTINUOUS CHARGING
LONGER BATTERY LIFE**

**NO NEED TO STOP FOR
CHARGING- SMOOTH,
SIMPLE AND TIME
EFFICIENT OPERATION**

**MINIMAL BATTERY SIZE AND WEIGHT-
INCREASES ENERGY EFFICIENCY
AND PASSENGER/CARGO CAPACITY**

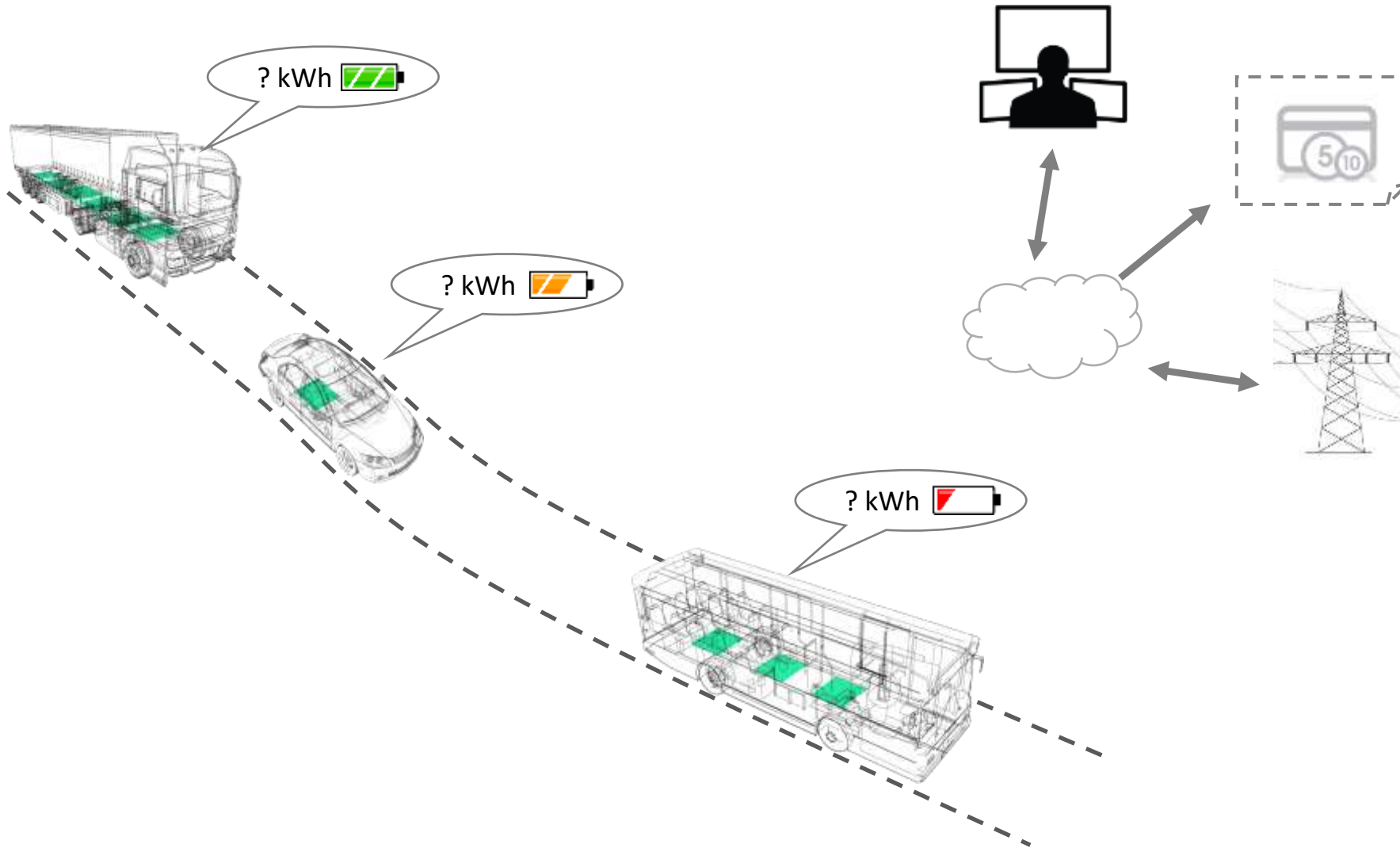


Wireless Electric Road System



All components are developed in-house and IP protected

ENERGY METERING AND GRID INTEGRATION





**SO,
WHY WIRELESS?
DYNAMIC CHARGING?**

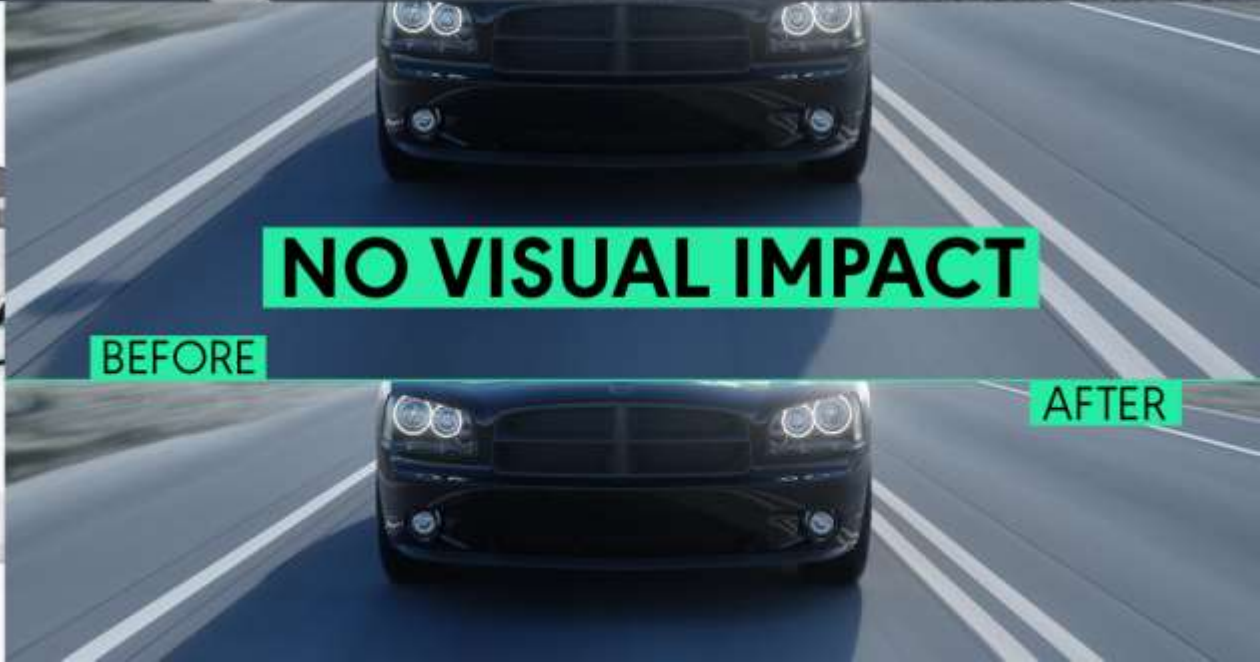


SHARED INFRASTRUCTURE



NO MOVING PARTS

ELECTR∞ON
CHARGING THE WAY FORWARD



NO VISUAL IMPACT

BEFORE

AFTER

Charging as a service - the best mobility solution for fleets

- No need for Electric fleet operator to finance, build and operate complicated charging infrastructure
- No need for charging infrastructure real estate and zoning issues
- Smaller batteries → lighter vehicles → higher energy efficiency
- Eliminate range anxiety and dependency on battery performances

Fleet operators enjoy huge savings in batteries, infrastructure and operational costs
Governments and cities enjoy new income source and minimal charging related visual impact



THE WORLD'S FIRST PUBLIC WIRELESS ELECTRIC ROAD FOR BUSESSES AND TRUCKS

SMART
ROAD
GOTLAND

POWERED BY
ELECTR∞N

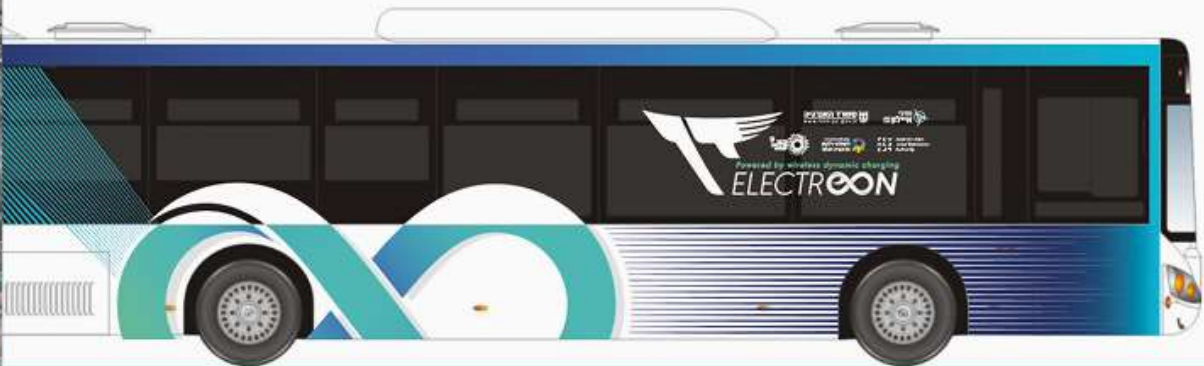
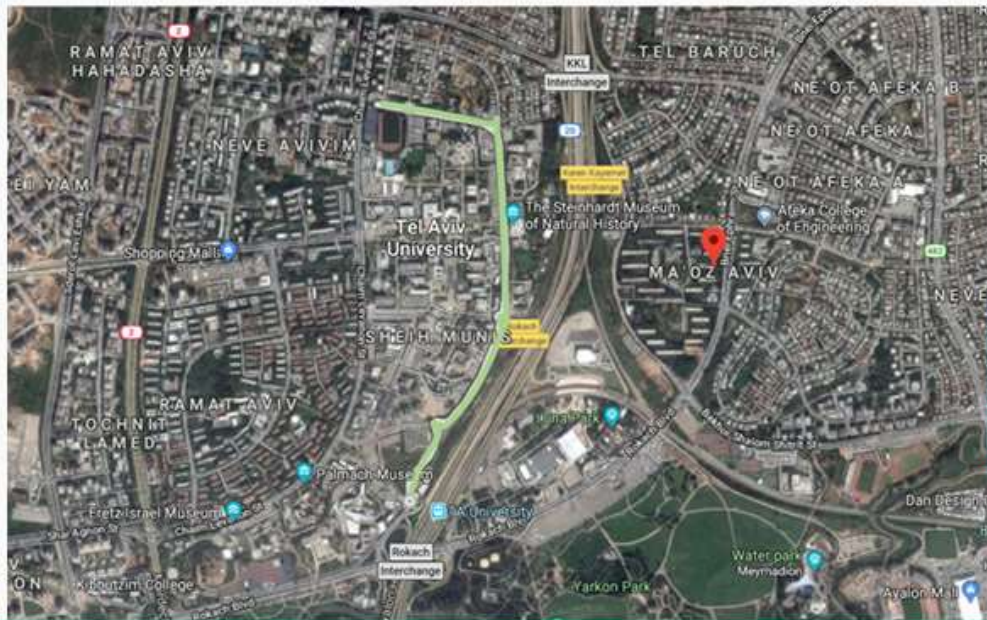
SUPPORTED BY
TRAFIKVERKET
SWEDISH TRANSPORT ADMINISTRATION





DEMO OF CITY APPLICATION TEL AVIV PILOT COMPLETION Q4 2020

SHUTTLE BETWEEN TEL AVIV UNIVERSITY AND TRAIN STATION



ELECTREON TURNS THE ROAD FROM AN EXPENSE TO AN ASSET FOR ROAD OWNERS AND FLEET OPERATORS BY DEPLOYING SHARED ELECTRIC ROAD PLATFORM FOR COMMERCIAL FLEETS

Cities

- Base user - buses
- Additional users - fleets of delivery trucks, shuttles, taxis, municipality service

Highways/Toll roads/Ports

- Base users - long haul/drayage trucks
- Additional users-inter city buses, future range extending for passenger EV

Highways/Toll roads/Ports

- Shared platform - best solution for electrifying transportation of entire country/region
- Optimal synergy with autonomous transportation

TLV 10Km Route- Based on Israel's energy ministry plan for accelerating infrastructure projects

Lane 5	Electreon	Electric
# of Buses\vehicles	15	15
Route length	8.2Km	8.2Km
Battery	40Kwh	350Kwh
Weight	300Kg	2,500Kg
Lane 62		
# of Buses\vehicles	20	20
Route length	11.3Km	11.3Km
Battery	40Kwh	350Kwh
Weight	300Kg	2,500Kg
Lane 239		
# of Buses\vehicles	16	16
Route length	10.4Km	10.4Km
Battery	40Kwh	350Kwh
Weight	300Kg	2,500Kg
Service taxi Lane 5		
# of Buses\vehicles (est.)	40	
Route length	8.2Km	
Delivery trucks		
# of Buses\vehicles	4	
Route length	15Km	
Estimated saving (16 years LTV)	41M USD	



KEY MARKETS

Israel



BRT and fast lane for public transport

Sweden



30 KM ERS
Commercial pilot for long haul implementation on about 3,000KM

Germany



City buses, Long haul trucks and shuttles implementation on about 4,000KM

Italy



Italy is planning to deploy ERS on the A35 toll road

California



Acceleration plan for LA and beyond includes \$95B for infrastructure

STRATEGIC PARTNERS



GOVERNMENTS AND CITIES

Funding PPP

Owner of the road

Need to reduce emissions and visual hazards

Will either fund the project or create PPP model



USERS- FLEET OPERATORS

Fright Private
Bus Autonomous Shuttle

Need to meet emission requirements

Save batteries and operation costs

Smooth and time saving operation

Pay for the use of the system + electricity



ELECTRICITY GRID OPERATORS

New business model

Finance the grid and charge for electricity



ROAD CONSTRUCTION COMPANIES

New business model



OEM

Electreon ready EV

Potential new business models

Thank you!
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