Welcome to the Future of EV Charging

March 2022
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Today’s Presenters
Founder led, experienced leadership and technical team

Oren Ezer  
Co-Founder & CEO
- 15+ years of professional experience  
- Former Head of R&D at Elop, a subsidiary of Israel’s leading defense company Elbit systems  
- Holds an M.Sc in Electrical Engineering, specializing in signal and video processing

Barak Duani  
CFO
- 10+ years of experience as a key finance leader, including at PwC  
- Former CFO at Apostherapy Israel, a therapeutic footwear company  
- Holds a BA in Economics and Accounting and is certified CPA

Charlie Levine  
CMO
- 9+ years of professional experience  
- Former B2B/G Marketing Manager at Moovit, a leading mobility as a service provider  
- Holds an MA in Sustainability and Environmental Studies from Tel Aviv University
**THE PROBLEM**
Existing plug-in solutions limit current fleet operations, require additional real estate allocation, are not suitable for autonomous mobility, and result in high Total Cost of Ownership (TCO).

**THE SOLUTION**
Move to an invisible shared charging platform that’s tailored to the fleet’s operational needs, and which requires little to no real estate, supports autonomous mobility, lowers TCO, and eliminates upfront capital costs.
Electreon – Pioneers in Wireless EV Charging

**Technology Pioneer**

1st

To Charge an Electric Truck Driving on a Public Road

1st

To Integrate with 3 Different Vehicle Types (Bus, Truck & Car)

**Strong Global Partnerships**

60+

Global Partners

**Commercial Capabilities**

200

Up to 200 buses expected to be charged in the company's first fully-commercial deal

8

Public projects across the globe & promising commercial pipeline
The Electreon Product Suite

Introducing one of the most advanced wireless charging solutions for every location

**Dynamic Charging**
Wireless Electric Roads for vehicles in-motion along their daily routes, e.g. buses and P2P truck routes

**Semi-dynamic Charging**
For slow-moving vehicles e.g. queuing taxis waiting for passengers, entry to logistics hubs and ports, and traffic lights

**Static Charging**
Stationary charging at bus stations/terminals, bus depots, loading docks, parking lots and street parking
Large Total Addressable Market
One of the only solutions for every fleet use case that can be deployed at any location, including dense or urban areas

- **Bus Fleets**
  - $30B CaaS TAM
  - 3M e-buses

- **Taxi Fleets**
  - $22B CaaS TAM
  - 13M e-taxis

- **Last-Mile Fleets**
  - $6B CaaS TAM
  - 8M e-vans

- **P2P Logistics Fleets**
  - $3B CaaS TAM
  - 400K e-trucks

Go to Market Complemented by Strong Partners…

ElectReon partners with leading players to pursue and win public and private projects

**Jacobs**
- Strategic collaboration to partner on wireless vehicle charging projects in the US market
- Follows a joint win in Michigan’s DoT tender
- Jacobs will exclusively promote Electreon’s technology to its customers
- Jacobs has also committed to investing in Electreon in a future US listing

**DESTIA**
- Non-binding MoU to partner on demonstrations of wireless charging projects in Finland
- Electreon’s technology will be integrated into Destia’s CaaS offering
- Significant penetration into the early adopter Nordic market

**EUROVIA**
- 5-year exclusive agreement to collaborate on projects in Germany, France and Belgium
- Eurovia will also promote Electreon’s technology and integrate its offerings
- Acts as a sales channel using Eurovia’s scale to win more deployments

**Additional Deployment Partners**

- **EiTECH**
  - Swedish Electric Constructor
- **AYALON HIGHWAYS**
  - Israeli Highway Constructor
- **GOTLAND RING**
  - Swedish Sustainable Racetrack Operator
- **VIA IMC**
  - Project Manager
... And Trusted by Leading Brands

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<tr>
<th>OEMs</th>
<th>Customers &amp; Collaborations</th>
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<td><strong>HIGER</strong>&lt;br&gt;Commercially available buses with Electreon’s technology</td>
<td><strong>German Federal Highway Research Institute</strong>&lt;br&gt;<strong>EnBW</strong>&lt;br&gt;German Electric Utilities Provider</td>
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<td><strong>IVECO</strong>&lt;br&gt;Successful integration launch of Italy’s first ERS</td>
<td><strong>Israel’s 2nd Largest Bus Operator</strong>&lt;br&gt;<strong>MDOT</strong>&lt;br&gt;Michigan Department of Transportation</td>
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<td><strong>STELLANTIS</strong>&lt;br&gt;Developing three vehicle integrations on future models</td>
<td><strong>Israel Ministry of Transport</strong>&lt;br&gt;<strong>NCC</strong>&lt;br&gt;Nordic Construction Company</td>
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<td><strong>VW</strong>&lt;br&gt;R&amp;D project for light &amp; heavy duty trucks</td>
<td><strong>Nordic Construction Company</strong>&lt;br&gt;<strong>TRAFIKVERKET</strong>&lt;br&gt;Svenska Transport Administration</td>
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**Leading Electric Bus Manufacturer**<br>**Leading North American OEM**<br>**European OEM Leader**<br>**Official Higer Importer of Israel**<br>**German Public Transportation Operator**

[Image of buses and collaborations]
Electreon’s Wireless Charging System

1. Management Unit
   - Above-ground or underground
   - Safely transfers energy from the grid to the charging infrastructure

2. Roadway Infrastructure
   - Under-road copper coils
   - Transfer power to the vehicles’ receivers

3. Vehicle Receiver(s)
   - Transmit energy directly to battery and engine

4. Real-time Management System
   - The cloud system meters, monitors and manages optimal EV charging at fleet scales

Our unique scalable architecture can support (charge) up to 60 vehicles per Management Unit and may significantly reducing costs
Electreon’s Wireless Charging Offers Smooth EV Transition

Shared Platform for All EVs, Including autonomous vehicles

No Visual Impacts
Minimum real estate or building adaptations required

Distributes Energy Demand Over Time & Space
Flattens peak energy demand to lower operational costs

Simple Vehicle Integration
Compatible with any battery technology

Minimize Vehicle Battery Size
Weight, impacts and costs

Scalable & Modular Infrastructure
Cost-effective charging solution for big fleets

Increase fleet uptime
Top-up charging and extended range limits service interruption for prolonged charging
Quick Infrastructure Deployment & Seamless Installation

Top layer of asphalt removed

1 km of coils can be laid with asphalt repaved in one night

No change to the road surface
Our Business Model

Electreon offers an end-to-end solution including road charging infrastructure, vehicle charging hardware and software and a cloud-based IoT platform that connects all charging devices and vehicles.

**Charging Infrastructure**
Sale of equipment and licenses for dynamic, semi-dynamic and static charging hardware
Serves as the foundation for electrifying roadways for fleets in any state of motion

**Vehicle Charging Hardware & Software**
Project integration & setup, charging services, vehicle based software solutions and maintenance and operation

**Cloud Based IoT Platform**
Leverages connected devices on the platform to deliver additional value to fleet owners and operators across four pillars: monitoring and control, charging management, analytics and interconnectivity with partners

Electreon expects to derive revenues primarily from charging as a service, where we will provide our infrastructure and charge fleet operators according to the amount of energy consumed or the number of vehicles.
Bus Terminal Wireless Static & Dynamic Charging for E-Buses

Distributed wireless charging in the bus terminal and along the main road as the vehicle drives enables regular ‘top-up’ charge throughout the day

- **Eliminates range anxiety** – and enables increased operational hours, even 24/7 operations
- **Battery capacity can be reduced by up to 90%**
- **Perfectly fits in with operations and workflows** of the bus fleet - no interruption to current fleet behavior

In Sweden, we also demonstrated that a 40 ton e-truck can be equipped with just a 210 kWh capacity battery and have extended range.

In Tel Aviv, this showcased a massive battery reduction.

**Tel Aviv – Live Public Project**

Optimal mix of regular ‘top-up’ static wireless charging at main bus terminal with dynamic charging along the bus route

- 24/7 operations and no need for overnight depot charging
- Plug-in overnight charging only
- Terminal/station and on-route wireless charging
- Charging along route
- Charging a terminal

**In Tel Aviv**

- **Overnight conductive (plug-in) charging**
- **Distributed wireless charging**

- **400+ kWh**
  - Expected bus battery capacity
- **42 kWh**
  - Expected bus battery capacity

**400+ kWh**

Expected bus battery capacity

**42 kWh**

Expected bus battery capacity
Point to Point Wireless Static & Semi-Dynamic Charging for E-Buses

Install invisible charging stations at bus loading and unloading endpoints as well as at stops along a bus or shuttle’s designated route

- Ideal fit for terminals, stations, and bus routes located in urban areas
- Top-up charging on the route requires no change to driver or fleet behaviors
- Reduces the size and cost of fleet batteries
- No hidden Operating Expenses (typically required with plug-in charging)
- Enables increased vehicle operational hours

Conductive plug-in charging only

In the use case study, this charging scenario would require a bus battery capacity larger than that of the average e-bus, requiring more than one vehicle to complete the full day’s scheduled routes.

<table>
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<tr>
<th>Phase 1: Endpoint static wireless</th>
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<tbody>
<tr>
<td>Required bus battery capacity</td>
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<tr>
<td>$273 kW/h</td>
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<tr>
<td>Battery cost savings per e-bus, compared to plug-in overnight</td>
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<td>$36K</td>
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<th>Phase 2: Endpoint static wireless + semi-dynamic wireless along the route stops</th>
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<tr>
<td>Required bus battery capacity</td>
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<td>Battery cost savings per e-bus, compared to plug-in overnight</td>
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Israel - Use Case Study

Parameters of study include a 20 Km route length; 22 trips per day per bus as part of a 5 AM – 12:30 AM schedule; endpoint stop time of 12 minutes (total stop time per day amounting to ~ 4 hours); 1 km in total of dynamic electric road segments installed along bus route stops when operational speeds are 10-15 km/h.
Demonstrated Commercialization Capabilities

**Gotland Island Project**
- Dynamic wireless charging (1 mile) for electric bus and electric heavy duty truck
- Status: Live and operational

**BASt Project**
- Dynamic (100m) and static wireless charging for electric van
- Status: Deployment expected in H1 2022

**Karlsruhe Project**
- Dynamic (100m) and static wireless charging for electric bus
- Status: Live and operational

**Lombardy Project**
- Dynamic wireless charging (1.05 km) for electric heavy-duty vehicle & passenger EV
- Status: Live and operational

**Tel Aviv Projects**
- Dynamic (700m) and static wireless charging for electric buses
- Status: Live and operational. Commercial phase 2 deployment (static charging of 200 buses) expected in 2022

**Utah Project**
- Dynamic wireless charging (50m) demo
- Status: Expected deployment in summer 2022

**Michigan Project**
- Dynamic wireless charging (1 mile) for multiple EV types
- Status: Expected deployment in 2023

**Demonstrated Commercialization Capabilities**

- Electreon
- 1
- 2
Projects for Expected Commercial Use
Compatible for commercial use, vehicle components R-10 approved and CE (EU) certified

Sweden - Gotland Island Project
1.65 km (1 mile) of wireless electric road for dynamic charging of an e-bus and heavy duty e-truck as part of a 4.1 km (2.5 mile) route between the airport and Visby town center
Status: Live and operational
OEM Partner:

Germany – Karlsruhe Project
Dynamic (100m) and static wireless charging for an electric bus
Status: Live and operational
OEM Partner:

Israel – Tel Aviv Project
Dynamic (700 meters) and static wireless charging (1 mile) for electric buses
Status: Live and operational; next phase includes static wireless charging for 200 buses at terminals, starting at Reading terminal in 2022
OEM Partners:
Pilot Projects

Italy – BreBeMi
Dynamic wireless charging (1.05 km) for electric heavy-duty vehicle & passenger EV
Status: Live and operational
OEM Partners:

Germany – BASt Project
Dynamic (100m) and static wireless charging for electric van
Status: Deployment expected in H1 2022
OEM Partner:

USA – Michigan Project
Dynamic wireless charging (1 mile) for multiple EV types
Status: Expected deployment in 2023
OEM Partner:
Company’s First Major Commercial Deal

Electreon’s deal with the Dan Bus Company is expected to be a world-class showcase of our wireless charging technology

- 5-year project to charge up to 200 buses across Dan terminals in Tel Aviv and Southern District
- Expansion of ongoing strategic collaboration with Dan Bus Company
- Validates CaaS business model – Dan will pay fee of 770 USD p/bus p/month
Awarded Our First Project in the U.S. in Feb 2022

The first shared public Electric Avenue in the U.S.
Enabling all EVs to charge wirelessly while in-motion and parked

Inductive Vehicle Charging Pilot in Michigan Central
Innovation in partnership with

Additional Partners Expected to Join the Innovation Ecosystem
Demonstrate the real world applicability and utility of the technology
- Deployed 700m of ERS and charging station
- In partnership with the Tel Aviv Municipality and Dan
- Construction commenced in September 2020 and project was operational by March 2021

Expansion to 200 buses leveraging existing infrastructure
- Successful pilot led to an agreement with Dan
- 5-year agreement with Dan includes charging up to 200 buses under a recurring CaaS model
- Deployment of the first stage in 2022

Establish foothold in key markets to grow customer base
- Multiple advanced discussions with potential customers spanning bus operators and commercial players
- Existing infrastructure reduces onboarding friction which allows rapid scale of operations

Achieved broad based support from all key stakeholders

Tel Aviv Pilot
Commercial Contract
Broad Commercialization
## Key Investment Highlights

1. Massive TAM Opportunity
2. Technology Pioneer with Next Generation Charging Solution
3. Delivering Exceptional Performance
4. Strong Global Partners Facilitate Global Expansion with Commercialization Capability
5. Compelling Growth Potential
6. Recurring Business Model
7. Founders Led, Experienced Leadership and Technical Team