



electreon

Wirelessly charge
electric vehicles

— anytime, anywhere

Welcome to the Future of EV Charging

March 2022

Disclaimer

The following applies to the presentation with respect to Electreon Wireless LTD and its subsidiaries and affiliates (collectively, the "Company"). In accessing the presentation, you agree to be bound by the following terms and conditions.

The presentation does not constitute or form part of, and should not be construed as an offer or the solicitation of an offer to subscribe for or purchase the securities of the Company, and nothing contained therein shall form the basis of or be relied on in connection with any contract or commitment whatsoever, nor does it constitute a recommendation regarding the securities. The information included in this presentation is a summary only and does not exhaust all of the information regarding the Company and its business, nor is it a substitute for inspection of the Periodic Report for 2020, the Company's current reports and the presentations released thereby, as reported to the ISA via the Magna distribution site (the "Public Information"). The information contained in this presentation is incomplete, is subject to and does not replace the Public Information.

This presentation shall not be relied upon and shall not be construed as any representation or obligation, including with regard to the completeness or accuracy of the information included therein. The presentation may include information presented differently as to the way it has been presented in the Public Information, viz., this presentation may include data presented and/or characterized and/or edited and/or segmented differently from the way it is included in the Public Information. The presentation presents a set of data (including data that is presented in the presentation and has not yet been included in the Company's reports or have not yet been presented in the manner presented in the presentation, and which are correct to the best of the Company's knowledge as of the date on which the data is presented). This presentation includes data and information based on the Company's subjective assessments, estimates and expectations and therefore this data and information should be treated accordingly.

This presentation includes forecasts, estimates, assessments and other information pertaining to future events and/or matters, whose materialization is uncertain and is beyond the Company's control, and which constitute forward-looking information, as defined in the Securities Law, 5728-1968. Such information may not materialize, in whole or in part, or may materialize in a manner significantly different from such forecast. Forward-looking information is based solely on the Company's subjective assessment, based on facts and data regarding the current condition of the Company's business and macroeconomic facts and figures, all as known to the Company at the time of preparation of this presentation. The materialization or non-materialization of the forward-looking information will be affected, inter alia, by risk factors characteristic of the Company's activity, as well as by developments in the general environment, in market conditions and in external factors affecting the Company's activity, including technological changes, changes in binding regulation, changes in standards, lack of funding sources, changes in competition, decrease of demand for the Company's products and their prices, failure to obtain required approvals, and other such events which cannot be estimated in advance and which are beyond the Company's control. The Company does not undertake to update and/or change any such forecast and/or assessment to reflect events and/or circumstances postdating this presentation.

This presentation includes information that is based on external sources and studies, which have not been independently reviewed by the Company. This information shall consist as general and non-binding information. The Company's management relies on external publications as part of the Company's day-to-day management and / or setting its goals and strategy. All numbers and figures in this presentation are approximate.

Anyone reading the presentation must read it in conjunction with the periodic report of the Company for 2020, which was published on March 29, 2021 (reference number: 2021-01-049917) and the current reports and the presentations released thereby, as reported to the ISA via the Magna distribution site.

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

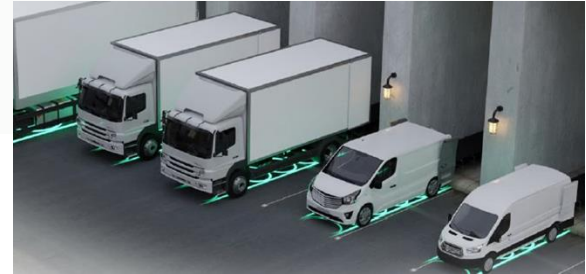
- 10+ years of experience as a key finance leader, including at PwC
- Former CFO at Apostherapy Israel, a therapeutic footwear company
- Holds a BA in Economics and Accounting and is certified CPA



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

9  

Active OEM Vehicle
Integration Programs

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

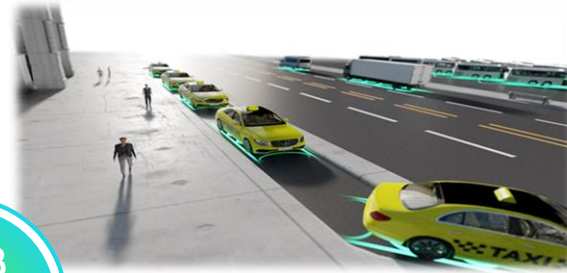
Stationary charging at bus stations/terminals, bus depots, loading docks, parking lots and street parking

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**

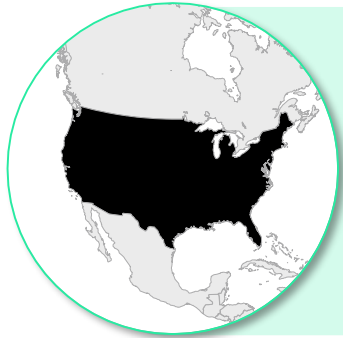
CaaS TAM
400K e-trucks

**\$60B
TAM
(2030)**

Source: Company analysis, IEA EV outlook 2021 for market size of buses, light commercial vehicles and trucks, Bloomberg New Energy Finance (Electric Vehicle Outlook 2021) for market size of shared passenger vehicles.

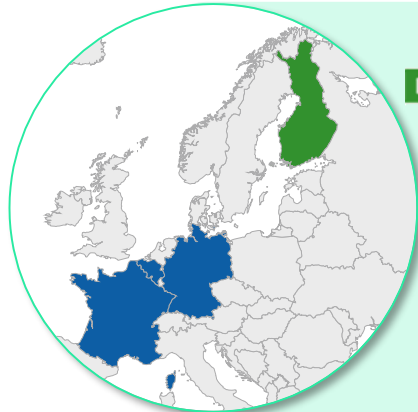
Go to Market Complemented by Strong Partners...

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
- 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



Israeli Highway Constructor



Swedish Sustainable Racetrack Operator



Project Manager

... And Trusted by Leading Brands

OEMs



HIGER

Commercially available buses with Electreon's technology



IVECO

Successful integration launch of Italy's first ERS



STELLANTIS

Developing three vehicle integrations on future models



R&D project for light & heavy duty trucks



Chariot Motors

Leading Electric Bus Manufacturer



Leading North American OEM

GROUPE RENAULT

European OEM Leader



Official Higer Importer of Israel

Customers & Collaborations



German Federal Highway Research Institute



Società di progetto
BREBEMI Spa

Italian Toll Operator (A35)



Israel's 2nd Largest Bus Operator



German Electric Utilities Provider



Israel Ministry of Transport



Michigan Department of Transportation



Nordic Construction Company



Israel's 2nd Largest Municipality



TRAFIKVERKET

Swedish Transport Administration

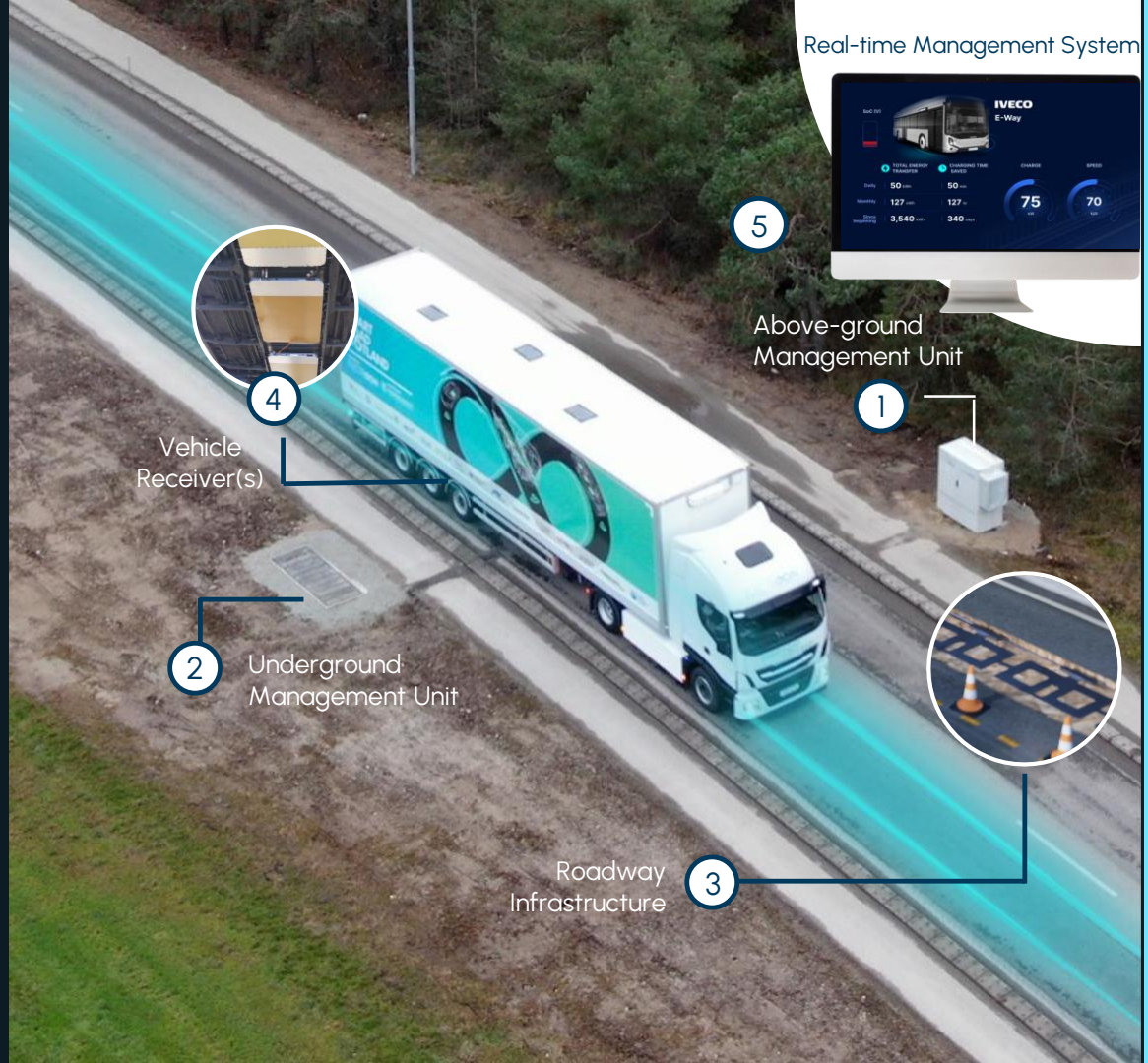


German Public Transportation Operator

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
- 4 Vehicle Receiver(s)**
Transmit energy directly to battery and engine
- 5 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

electreon



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

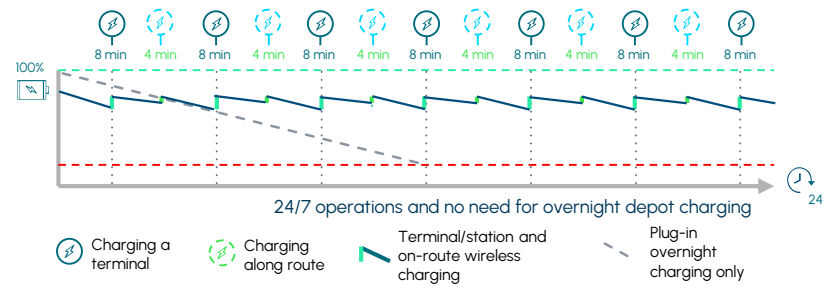
Distributed wireless charging **in the bus terminal and along the main road as the vehicle drives** enables regular 'top-up' charge throughout the day

- **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

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**



In Tel Aviv, this showcased a massive battery reduction

Overnight conductive (plug-in) charging



400+ kWh
Expected bus battery capacity

Distributed wireless charging



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

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.

Israel - Use Case Study

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.

480 kW/h

Required bus battery capacity

Wireless charging anywhere, anytime

The use case analyzed the effects of endpoint static wireless charging and a combined solution of endpoint static wireless + semi-dynamic wireless charging along the route's bus stops

Phase 1: Endpoint static wireless

273 kW/h

Required bus battery capacity

\$36K

Battery cost savings per e-bus, compared to plug-in overnight

Phase 2: Endpoint static wireless + semi-dynamic wireless along the route stops

119 kW/h

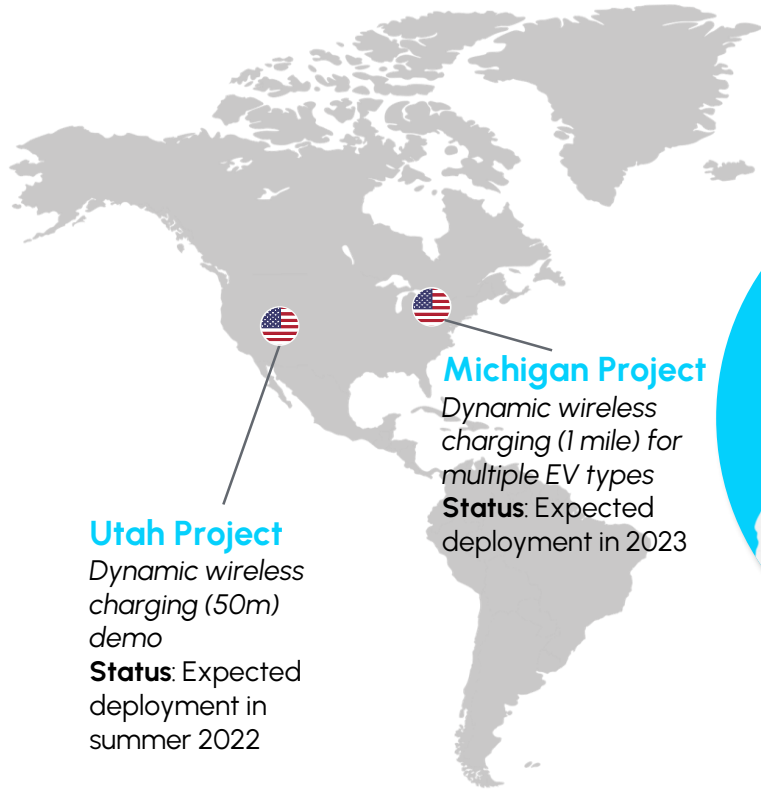
Required bus battery capacity

\$60K

Battery cost savings per e-bus, compared to plug-in overnight



Demonstrated Commercialization Capabilities



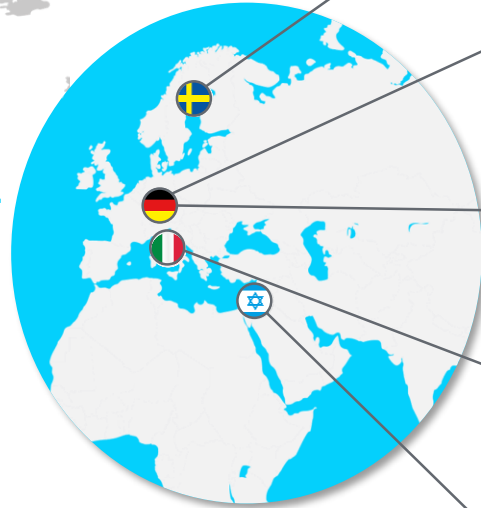
Utah Project

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



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

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:



GOLDEN DRAGON



Pilot Projects

Italy - BreBeMi

Dynamic wireless charging (1.05 km)
for electric heavy-duty vehicle &
passenger EV

Status: Live and operational

OEM Partners:

IVECO

STELLANTIS



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



Inductive Vehicle Charging Pilot in Michigan Central

Innovation in partnership with



Additional Partners Expected to Join the
Innovation Ecosystem

Forbes

Feb 1, 2022, 10:57am EST | 2,444 views

**Electreon, Ford Developing
In-Road Charging System
Near Mobility Tech Hub**

Playbook for Market Expansion – Israel Case Study

We are confident in our ability to convert pilots into commercial contracts

Tel Aviv Pilot

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



Commercial Contract

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

Achieved broad based support from all key stakeholders



Broad Commercialization

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



Key Investment Highlights



-  Massive TAM Opportunity
-  Technology Pioneer with Next Generation Charging Solution
-  Delivering Exceptional Performance
-  Strong Global Partners Facilitate Global Expansion with Commercialization Capability
-  Compelling Growth Potential
-  Recurring Business Model
-  Founders Led, Experienced Leadership and Technical Team



Questions electreon