

An aerial photograph of a two-lane road winding through a dense forest of tall, green trees. Several vehicles are visible on the road, including a white truck on the left and several cars on both sides. The scene is captured from a high angle, looking down at the road and the surrounding foliage.

electreon

charging the way forward

Investor Presentation – Summary of 2022

April, 2023

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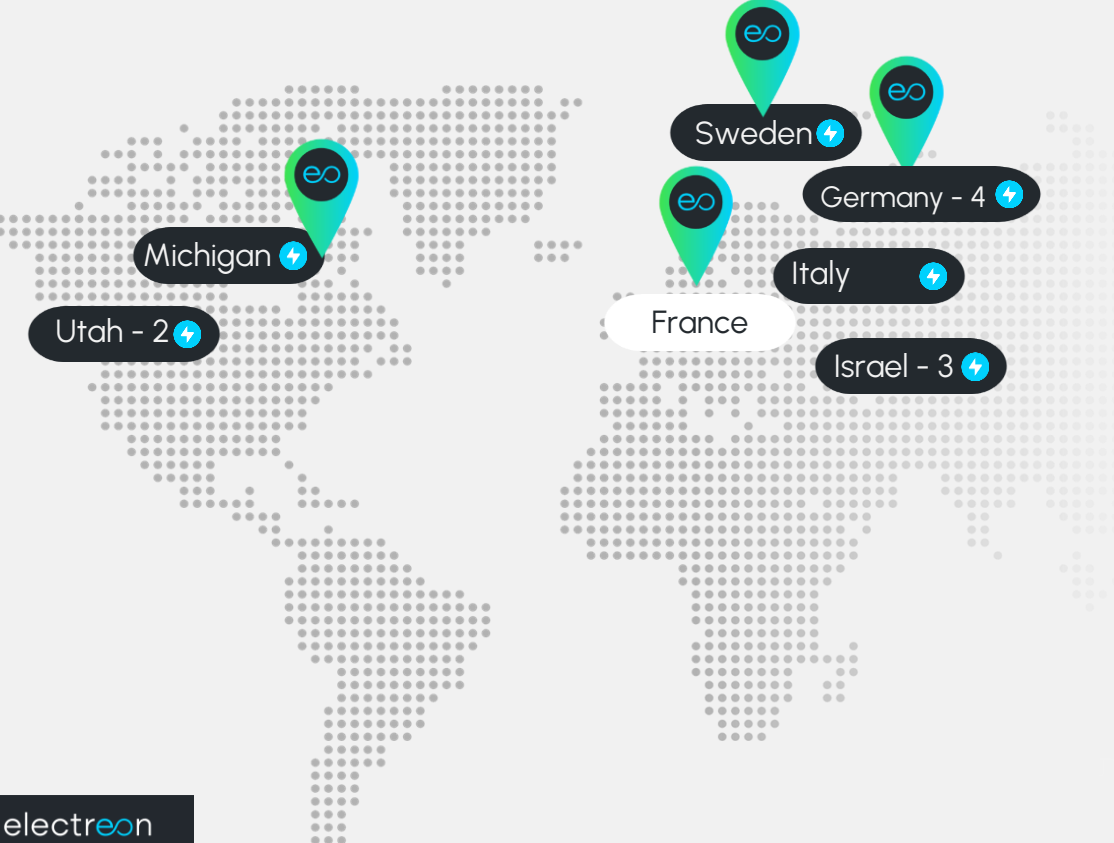
All numbers and figures in this presentation are approximate.

Anyone reading the presentation must read it in conjunction with the annual report of the Company for 2022, which was published on March 29, 2023 (reference number: 2023-01-030622) and the current reports and the presentations released thereby, as reported to the ISA via the Magna distribution site.

Electreon - world leading pioneer of wireless charging

 12 Projects across the globe

 4 Subsidiaries in the USA, Germany, Sweden and France



2021 *TIME*
One of the Best Inventions of the Year

12
Global Projects

2013
Company Founded

16
Patents

14
Automotive Partners

\$16M
In Accumulated Orders

Experienced Leadership Team



Oren Ezer
CEO, Co-Founder

25+ years experience in R&D management. Former R&D Manager at ELOP an Elbit subsidiary. Managed multidisciplinary projects for international clients.



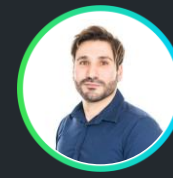
Hanan Rumbak
Chief Scientist, Co-Founder

40+ years experience in electrical & physics R&D. Former ELOP Electrical Scientist. Internationally-renowned expert in high-power wireless charging.



Amir Kaplan
CTO

25 years R&D experience. Former Program Manager at ELOP.



Barak Duani
CFO

15+ years experience as key financial leader, & CFO for international, publicly-traded companies. Former Supervisor at PwC.



Hila Amiel
General Counsel

10 years experience at several Israel's leading legal firms, energy company, Prime Energy. Specializes in litigation, infrastructure, commercial & energy law.



Meir Hen
CSO, Israel

40+ years Policy Strategy experience. Former GM at Israel's Transport Ministry, Former Chairman at Ayalon Highways. Established Israel's Public Transport Authority, Netavei Israel, (in 2003).



Sarit Goldstein
VP HR

10+ years HR experience. Former Global HR Manager at Plarium.



Dr. Håkan Sundelin
Nordic Regional Director

15+ years ERS R&D experience (Electric Road Systems). Former Senior EV & EV charging Researcher at Scania.



Dr. Andreas Wendt
Regional Director, Israel

10+ years R&D experience in wireless charging. Internationally-renowned expert in wireless EV charging. Former Senior Project Manager at TOYOTA.



Corey Johnson
US Director of Strategy

15 + years Strategy & Policy experience. Former Member (2014-21) Former Speaker (2018-21) of the NY City Council. Led sustainable transport initiatives.

Challenges in the EV Transition



The Battery Problem

- High-price (half the cost of an EV)
- Considerable sustainability, ethical & recycling issues
- Recent surge in lithium price (+182.6% YoY, Dec, 2022)*



Charging Infrastructure

- High-cost chargers
- High OPEX - from heavy wear and tear on chargers
- Visual impacts, require additional real estate & represents a physical hazard
- Limited scales of economy (one-charger to vehicle ratio is not sustainable)



Power Supply & Electric Grid Connections

- High costs
- Complexity of grid connection for e fleets
- Long wait times for grid upgrades



Electric Fleet Operation

- Long charging & charger-waiting times
- Personnel costs for charging operations

*Source - in the references



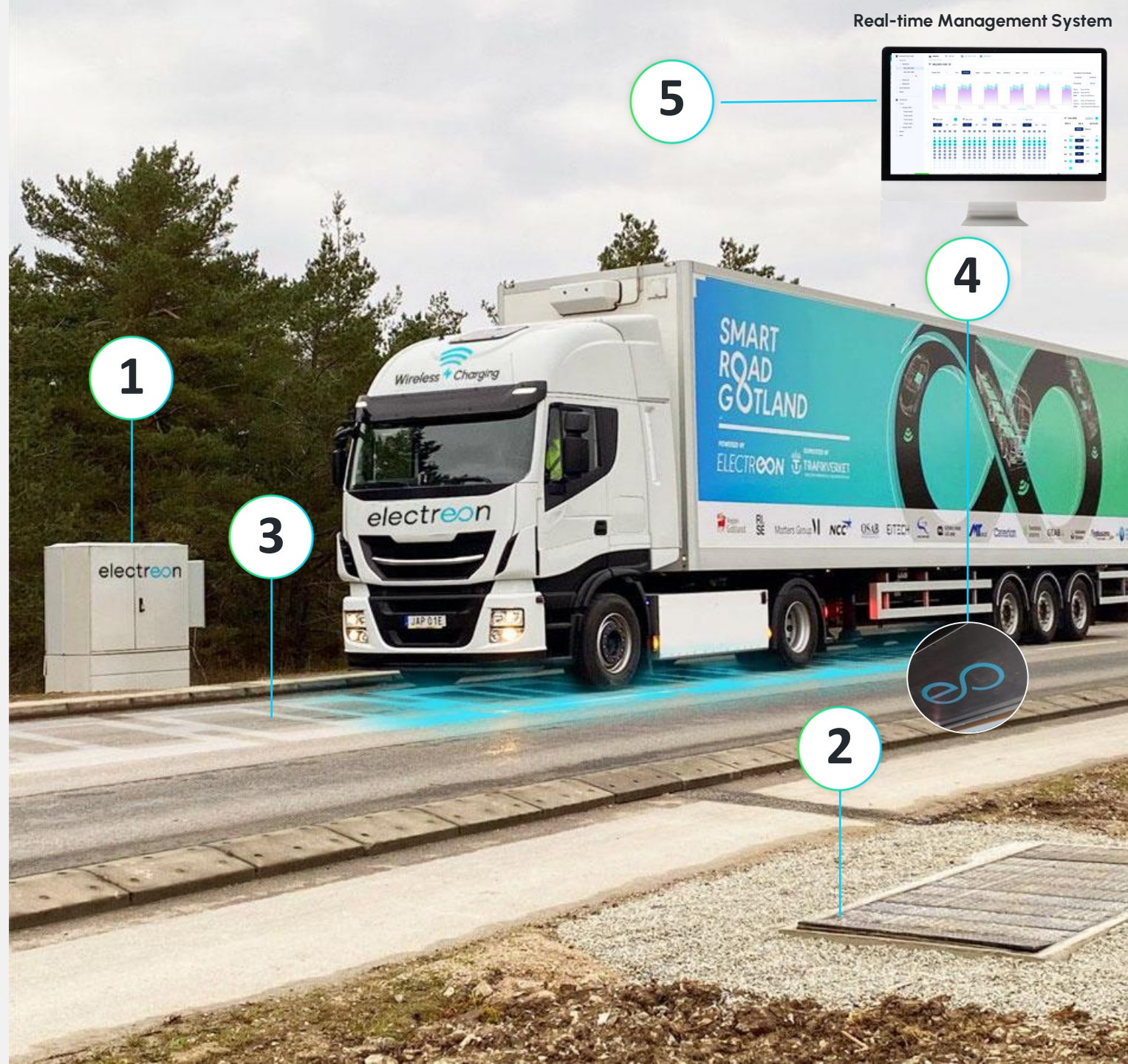
✓
Electreon's technology
solves these challenges



Electreon's Wireless Charging System

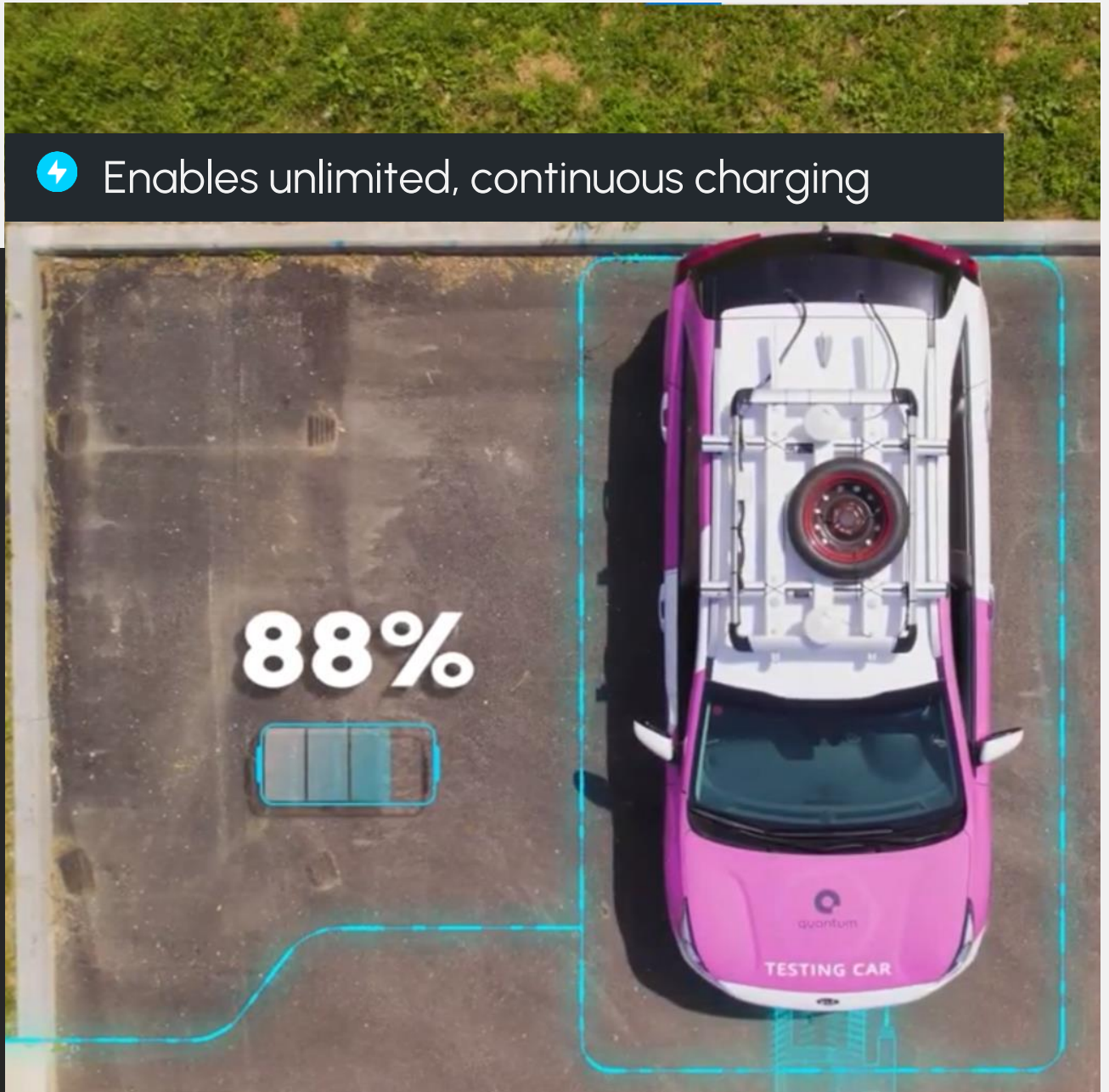
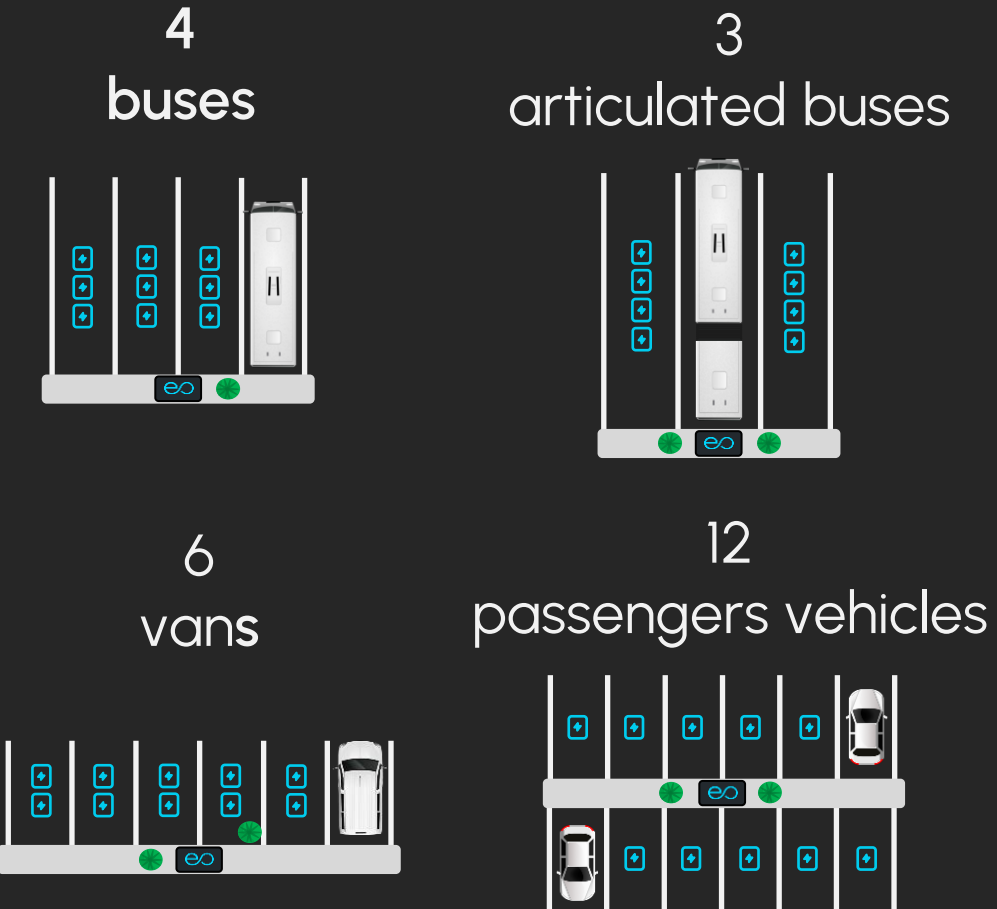
- 1** Above-ground **Management Unit (AMU)** transfers energy from the grid to the charging infrastructure
- 2** Underground **Management Unit (UMU)**. Same functionality as AMU without any visual impact
- 3** **In-road copper coils** transfer power to the **vehicles' receivers**
- 4** **Vehicles receiver** installed on the EV to transfer energy directly to the engine
- 5** **Management Software** monitors & manages optimal EV charging in real time

Real-time Management System



Static Charging to Charge any Combination of Vehicles

Provides up to **360 kW** in Power



⚡ Enables unlimited, continuous charging

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Dynamic Charging
as you drive

- ⚡ Up to 500 kW per 100 meters
- ⚡ A shared charging platform for all EVs
- ⚡ Enables unlimited range*

Wireless ERS*

New Era for Unlimited,
Decarbonized Mobility

*Electric Road System



The Electreon Business Model

Customer-centric model with a sale or financing options: e.g., pay per use/monthly consumption model

We offer a tailored software platform for fleet customers, based on our unique CaaS technology



Direct System Sales

- Sale of wireless charging system
- Annual fee subscription model for O&M



Monthly subscription

- Charging infrastructure deployed in strategic locations
- Fixed monthly fee for use
- No CAPEX for end-users



Software revenue

- Real-time fleet charging management
- Energy management
- Power load management

A Growing Global Need for Wireless Charging



- Growing understanding of EV transition challenges
- International regulations to reduce CO2 emissions



- Daytime charging increases renewable energy utilization
- Reduce TCO*



Technology proven to be the most sustainable EV charging platform



- Extend efleet operational uptime
- Minimize vehicle idle time



Extend EV range/operational hours



Minimize EV battery size, weight, environmental impacts & costs



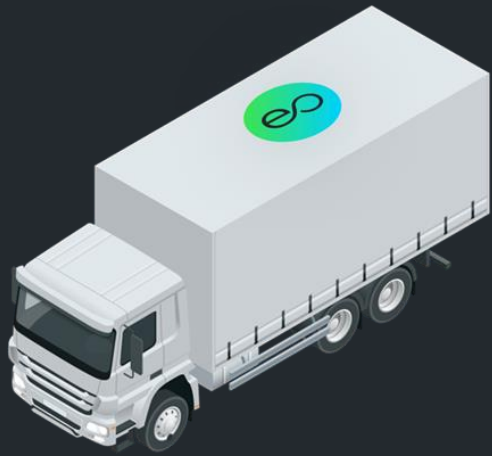
Electreon provides wireless charging anywhere, anytime



*TCO - Total Cost of Ownership for fleet operator

Market Opportunity **\$50+ Billion**

The EV market is growing exponentially



**Delivery
fleets**
\$9B
8.4M
e-vehicles

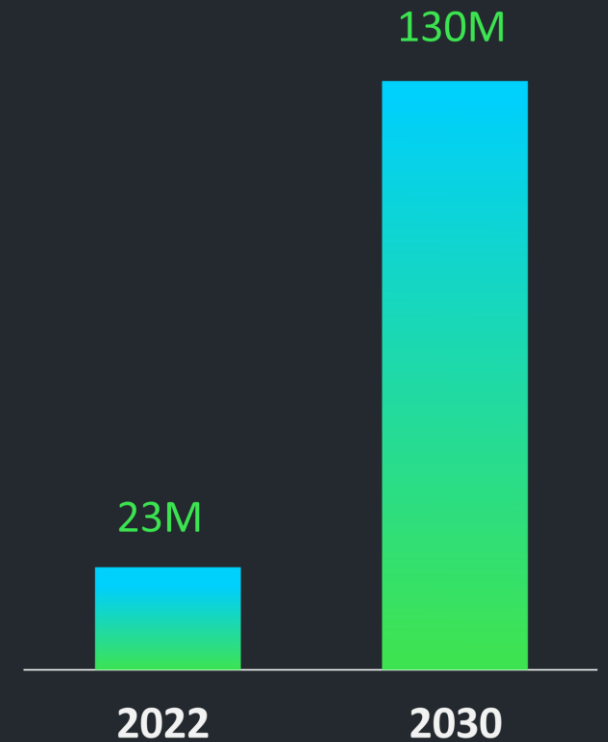


Taxi fleets
\$11B
13.5M
e-taxis



Bus fleets
\$30B
3.2M
e-buses

**Expected Global
Number of
EVs by 2030**



*The evaluation of the market potential is based on the macro review in Chapter A of the annual report

Why Electreon – The Unique Advantages



No Visual Impacts

No wires, cables or personnel requirements lowers operational costs. The only solution for impairment



Distributes Energy Demand Over Time & Space

Flattens peak energy demand & lowers operational costs



Shared Charging Platform

Any EV can charge simultaneously from the same system



Metering & Billing



Simple Integration

Suitable for all and every EV, including AVs (autonomous vehicles)



Maximal Efficiency

Maximum possible CO2 emissions, battery and cost reductions

ERS - A Newly Evolving Market Worth \$20+ Billion



 Location	 Italy	 USA	 Germany	 Sweden	 France
 Policy & Status		12+ State DOTs included ERS in their electrification plans	Plans to construct 4,000 km by 2030	Plans to construct 2,000 km by 2030	Plans to construct 4,000 km by 2030
 Tender Win Details	Selected by Aleatica (transport infrastructure operator)	Won Michigan DOT's tender; signed a 5-year agreement to promote ERS	Won German government tender	Won the Swedish Ministry of Transport's pre-qualification (for tender)	Signed collaboration agreement with Vinci to promote projects in France
 Financial Potential	<div style="display: flex; justify-content: space-around; align-items: center;"> \$8B \$8B \$8B </div>				

✓ Electreon has won every tender ever applied for so far

42 km Electric Road Tender, Sweden

In tender process

Application:

42 km (~26 miles) wireless Electric Road highways for heavy-duty vehicles

Operation Start Date:

Selection to be announced by July 2023

Client:

The Swedish Transport Administration (Trafikverket)

Another tender is expected to be published for the operation and maintenance of the road for 15 years.

*For more information on the tender in Sweden, see section 8.4 of the annual report





Wireless Electric Roads in the US - Current Status

Electreon Project

Unique ERS technology supplier in Utah with Utah Inland Port Authority and the ASPIRE Research Institute.

Demonstration of a wireless Electric Road at ASPIRE, University of Utah

Electreon Project

Wireless charging road 1.6 km long.
Partnership with the State of Michigan.

In Advanced Conversations

Buffalo

RFP

Wireless charging for NYC

RFI

Port Authority of New York \ New Jersey

ERS RFI from the

US Federal Government

RFI

San Diego - application for dynamic wireless road

RFI

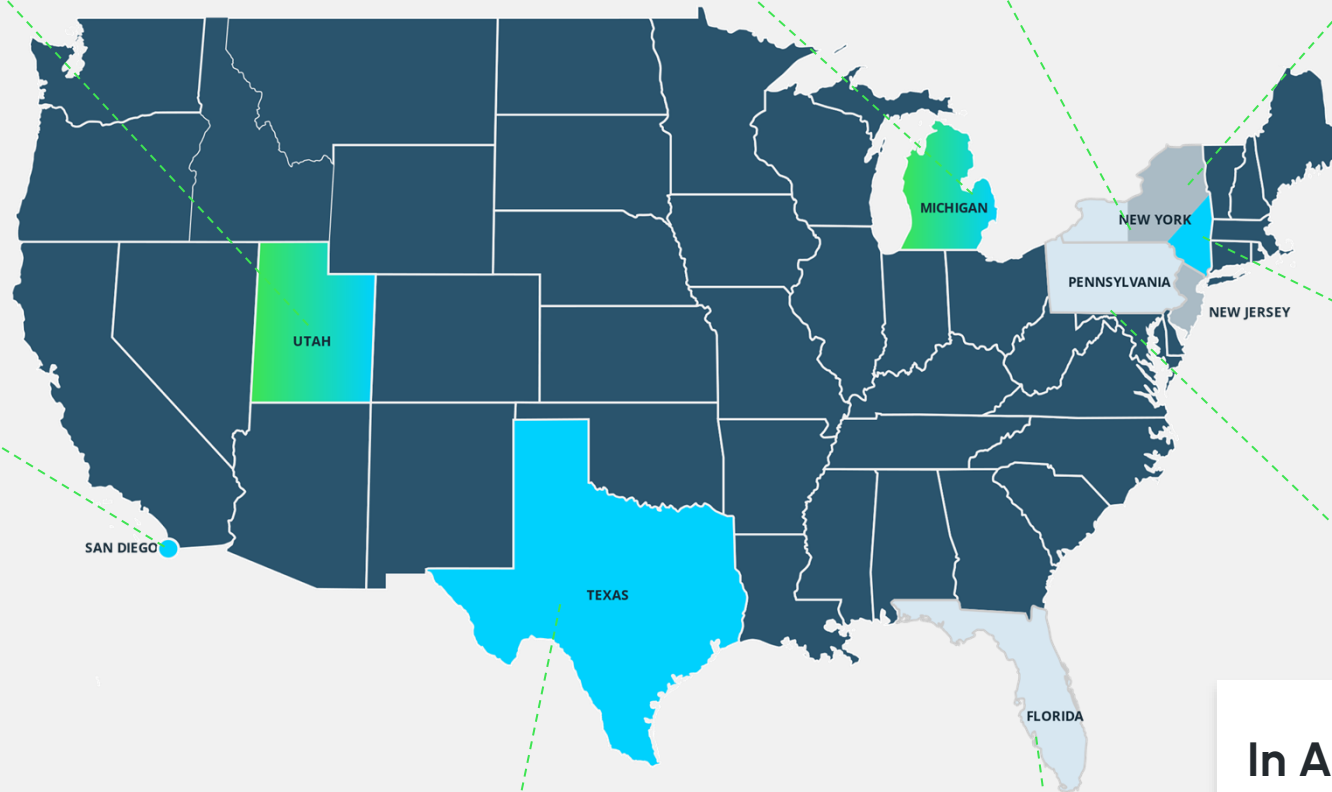
Texas - application for dynamic wireless road

Advanced Calls

Florida toll road operator

In Advanced Conversations

Plans for a toll road in Pennsylvania



- █ Electreon Project
- █ In advanced conversation
- █ RFI - Request for info
- █ RFP - request for Proposal

Wireless Electric Roads in - Current Status

RFI in Norway




The Norway Public Transport Authority submitted an RFI for wireless charging.

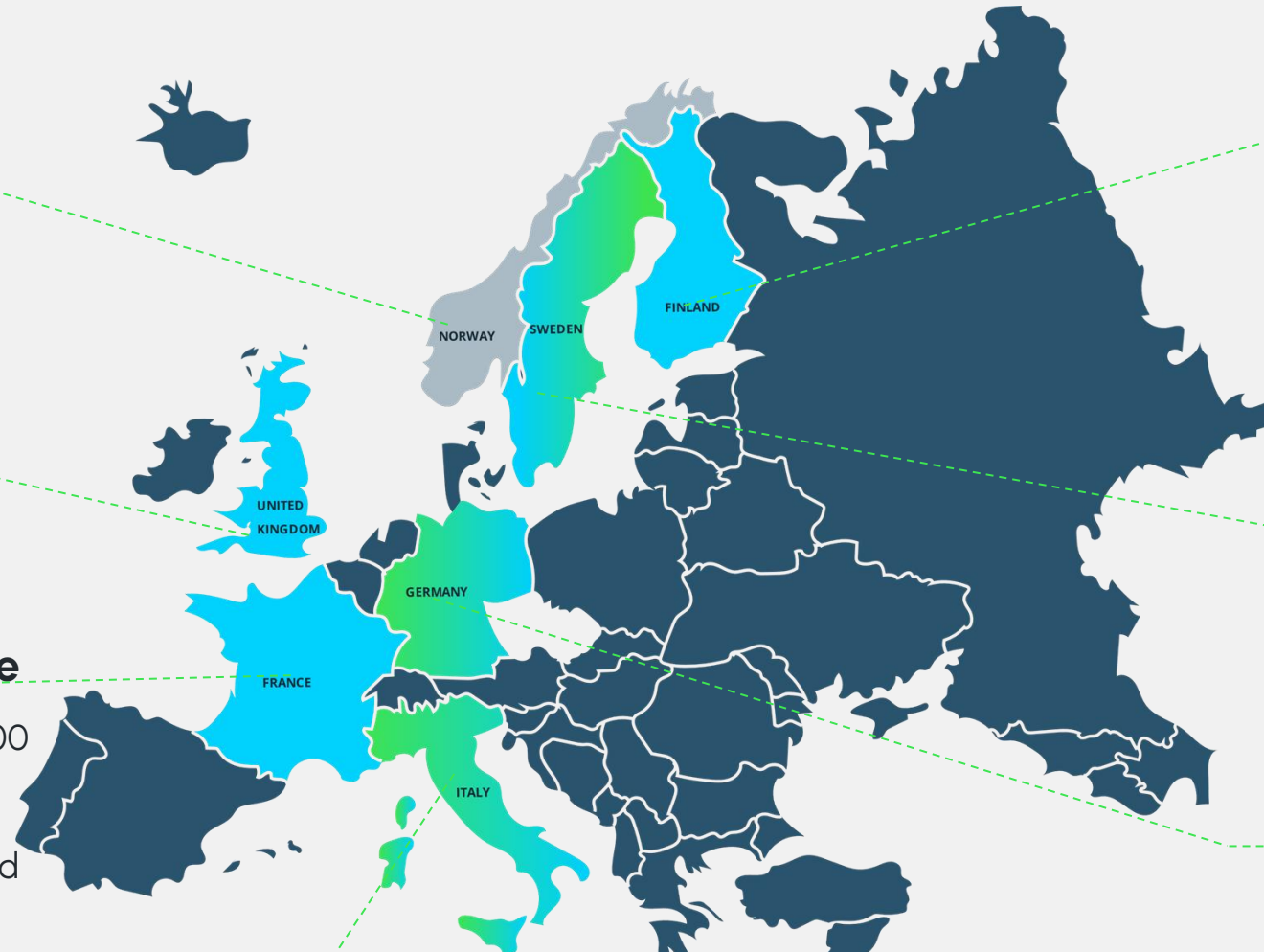
Electrification Plans UK

The UK has a budget of £500 million to make the shift to emobility.

Electric Road Pilot France

France has a total budget of €200 million for ERS. Electreon has applied; results will be announced Q2, 2023.

-  Electreon Project
-  Project in Process
-  Request for Information



Electrification Plans Finland

€25+ million allocated for the electrification of vehicles in Finland. Electreon has a partnership with DESTIA to promote Electric Roads

Tender for 42 km (26 miles)

The first step in the Swedish National Plan to electrify thousands of kilometers of highways.

4 Projects in Germany

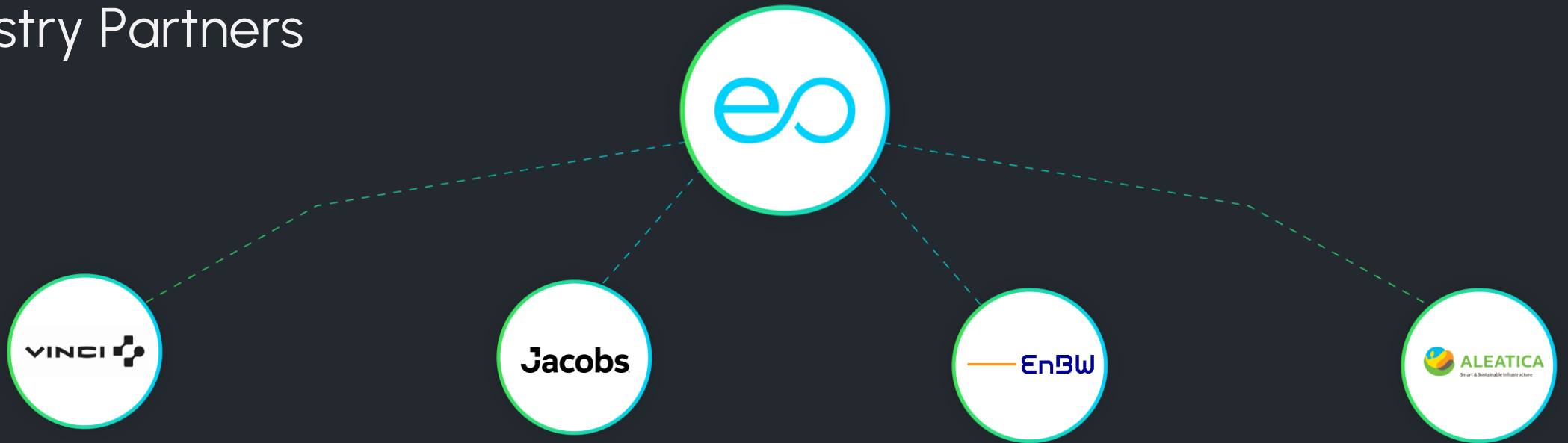
Two newly won projects include:

- 1 km on the German autobahn.
- 1 km in Baden-Württemberg for a public bus line.

Electreon's Project Italy

The "Arena of the Future" project. Currently working on a project at the airport of Bergamo and the city of Genoa, Italy.

Key Industry Partners



The largest infrastructure company in Europe

Collaborates with Electreon throughout Europe; in Germany France, Sweden, Belgium and the UK for joint ERS projects

- Traded as DG on Euronext Paris
- On the CAC 40 index
- €49.4B revenue in 2021
- Number of employees in 2021, 219,299

One of the largest Engineering companies in the US

A key strategic partner in the US market. Key clients include: NY Port Authority, NY Transportation Authority, USPS, 28 cities and more.

- Traded as J on NYSE and S&P 500
- \$14.09B revenue in 2021
- Number of employees in 2021, 55,000

Leading energy provider in Germany

Involved in German road electrification programs. Also a strategic customer

- Traded as EBK on FWB the German stock market
- €32.1B revenue in 2021
- Number of employees 26,064

Leading toll road operator

Altica operates roads in 7 countries; including Italy and the UK

- Traded on the Mexico Stock Exchange under the symbol S.A.B. de C.V.
- €810 million in net sales in 2021

Most Important Strategic MOU To-date Signed



- Co-development of an aftermarket wireless kit for current EVs to utilize wireless charging technology today
- Integration of the wireless technology into new cars released to the market
- Collaboration to shape the standardization of wireless EV charging
- Agreement on intent to jointly promote a pilot project in Japan, the U.S. or the EU, including commercial proof of business.



Our Latest Strategic Industry Partners



A Global Manufacturer of Tier 1 Auto Parts

One of the largest automotive part suppliers in the world. Toyota owns approximately **49% of the company**.

Traded with the symbol 6902 on the Japanese stock exchange

\$49 billion in revenues in 2022

Number of employees as of 2022, 167,950



The World's Leading Car Manufacturing Company

Produces about **10 million vehicles a year**, of which **20 are EVs**. TOYOTA announced that it will invest **\$5.6 billion** in EV production from 2023

Traded on several exchanges, TM on the NYSE

\$267 billion in revenues in 2022

Number of employees as of March 2023, 366,283

Completed Projects \$15M (revenue & receipts)

Germany, BaSt



Israel, Tel Aviv



Sweden, Smart Road Gotland



Germany, Karlsruhe



Italy, Arena of the future



Company Projects 2023-2024

Germany, the Autobahn



Logos for EnBW, Die Autobahn, and VINCI.

Germany, Balingen

Logos for EUROVIA, VINCI, and EnBW.



USA, Michigan

Logos for MDOT, Ford, and Jacobs.



Israel, Electra-Afikim project

Logos for ELECTRA AFIKIM, the Ministry of Transportation, and the Israel Electric Corporation.

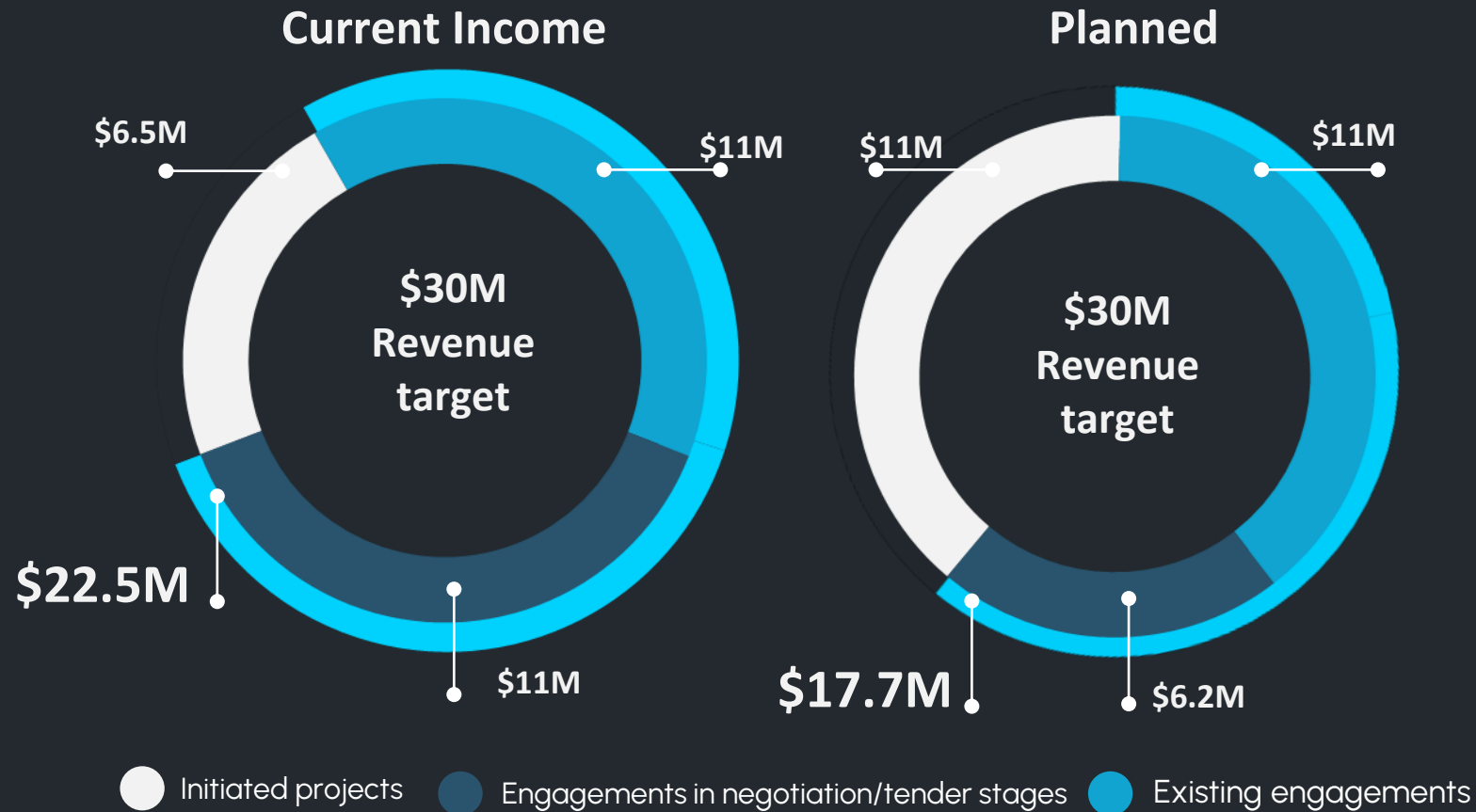


Israel, Dan project

Logos for the Ministry of Transportation, HIGER, and the Dan Bus Company.



Revenue Target 2024-2023



The aforementioned regarding the revenue targets, includes, among other things, forward-looking information, as defined in the Securities Law, based on the estimates of the company's management, which were made on the basis of the information and data that the company's management had at the time of the report. Such information includes, among other things, goals, forecasts, goals, assessments and/or estimates relating to future events and/or matters, the realization of which is uncertain and which are affected, among other things, by factors beyond the company's control and which it is unable to assess in advance or upon the realization of any of the risk factors described in section 31 for the annual report

Company Shift to Commercialization & Revenue-Generating Activities



Equipment for projects



Revenue for the first time in 2022 \$2.5 million



Winning tenders in the US and Europe, and expanding current activities



Meeting all Research and Development goals



References

Challenges in EV transition slide

Lithium prices continue to rise – LPI explains why, Innovation News Network

Market opportunity slide

IEA EV Outlook 2021

Bloomberg New Energy Finance EV Outlook 2021

Transport & Environment - Comparison of hydrogen and battery electric trucks, June 2020

Fiat Announces Specs And Prices Of E-Ducato

Energy consumption of electric vehicles, electric vehicle database

Global EV Data Explorer

Sources for slide "ERS a potential market of over \$11B"

Sweden - NCC, The future is electric with charging infrastructure and electrified roads

France - Electric road system Working group n°1 Decarbonizing road freight transport through ERS issues and strategy

Rise institute research on Interaction Effects between Battery Electric Trucks, Electric Road Systems and Static Charging Infrastructure