



ELONROAD[©]

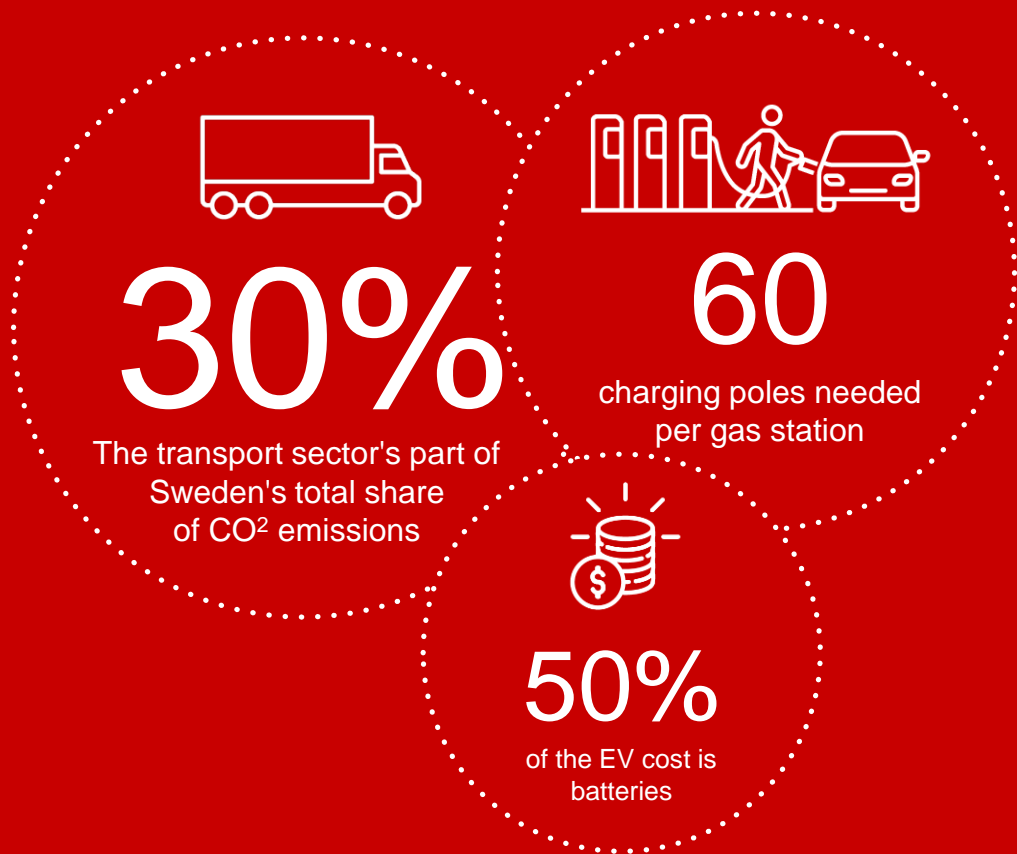
Electrifying freedom

Problem

There is a global urgency for transportation of people and goods to become sustainable.

To reduce emissions in line with the 2030 Global Development Goals, we need to replace fossil fueled vehicles with electric vehicles.

Yet immature charging infrastructure is slowing us down.



Solution

A **conductive charging infrastructure** designed for electric vehicles that operate both in urban and highway conditions.

Smart aluminum rails are installed on top of existing road, or submerged into the asphalt, and connected to the power grid.

The system is equipped with IoT sensors and software that captures and analyses transportation data to generate intelligent feedback, and interacts in real-time with moving and stationary vehicles.



ELONROAD

We build a high-tech electric road system that auto charges electric vehicles both while driving and when parked.

Elonroad will be the enabler of electrification of vehicles just like fiber has been for digitalization.

Helping our world to move forward.

Traditional engineering with a modern high-tech solution

- Patented technology based on extensive research together with Lund University.
- Conductive charging transfers high power up to **300kW with a 97% efficiency.**
- Our rails are equipped with power circuit boards and sensors making the road smart and digitalized.
- Our unique solution only allow power distribution in **one meter sections** – can be used both while driving and when parked.
- Our safety solution secures operation both in cities and on highways.





Electric road system



Automatic park charger

The new global standard for green transportation of people and goods.



For all electric vehicles

One charging solution for all EV's means convenience and lower costs.



Driving and parking

An electric road and automatic park charger in one. High power conductive 300kW charging with 97% efficiency.



No need to re-build

Upgrade existing road sections and parking spots enabling lean EV charging and energy efficient transportation.



Smart charging system

Patented technology based on leading research. Wireless communication, intelligent sensors, cloud-based data traffic and beyond.



Sustainable future

Reducing road transport CO₂ emissions by up to 50% within a 10 year period

The Market



+500K km

Motorways in
developed
countries



27.14B

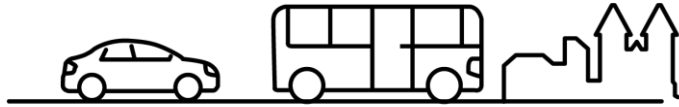
Est. market value
by 2025



40%

Of all vehicles will be
electric by 2040

Customer cases



Bus lines in Lund, Sweden

Ongoing test and demonstration project, EVolution Road, for the Swedish Traffic Authority, Trafikverket. www.evolutionroad.se

On 4th of June 2020, we officially opened a 500-meter electrified road strip in the CBD of Lund, Sweden, to power the movement of public transport. Subsequent testing will take the next 24 months.



Harbour, Sweden

Pre-study in progress. Demand from harbour owner to be carbon neutral by 2024. 25 vehicles to carry 3 * battery packs per truck. Elonroad will reduce battery cost by 2%. Analysis of our solution is in progress, to determine suitability as well as logistics and workflow of Elonroad advancing towards industrial-scale production.



Environment and Sustainability



By 2026, we forecast that Elonroad will have the capacity to charge 20,700 EV trucks, with a CO² emissions reduction of 1.53M t CO². Projecting our long-term outlook to 2050, we will continue to reduce CO² emissions by 7.66M t CO².

Elonroad converts the battery-stored energy concept into a connected on-demand energy supply. Long-term, our solution will contribute to decreasing EV battery size by 50-80%, further reducing greenhouse gases.

Team

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