







**ELEN:**  
izvor električne energije

**HEP**

PORSCHE

e-tron

ZG-3623-HF

# EV Charging

Will Electricity Supply Meet Demand ?





Robotic System  
for Wireless  
Charging of EV





# At a Glance

- Established JAN 2021
- Proof of Concept JUL 2021
- Public on NY OTC (currently FDOC) through reverse merge APR 2023
- Utilizing top notch Israeli subcontractors to shorten R&D cycles and reduce costs
- Patents filed
  - Robot navigation
  - Coil alignment algorithms (with BGU)
  - System for automatic car parks
- 1<sup>st</sup> GOAL Charging system for HANDICAP drivers



The Market

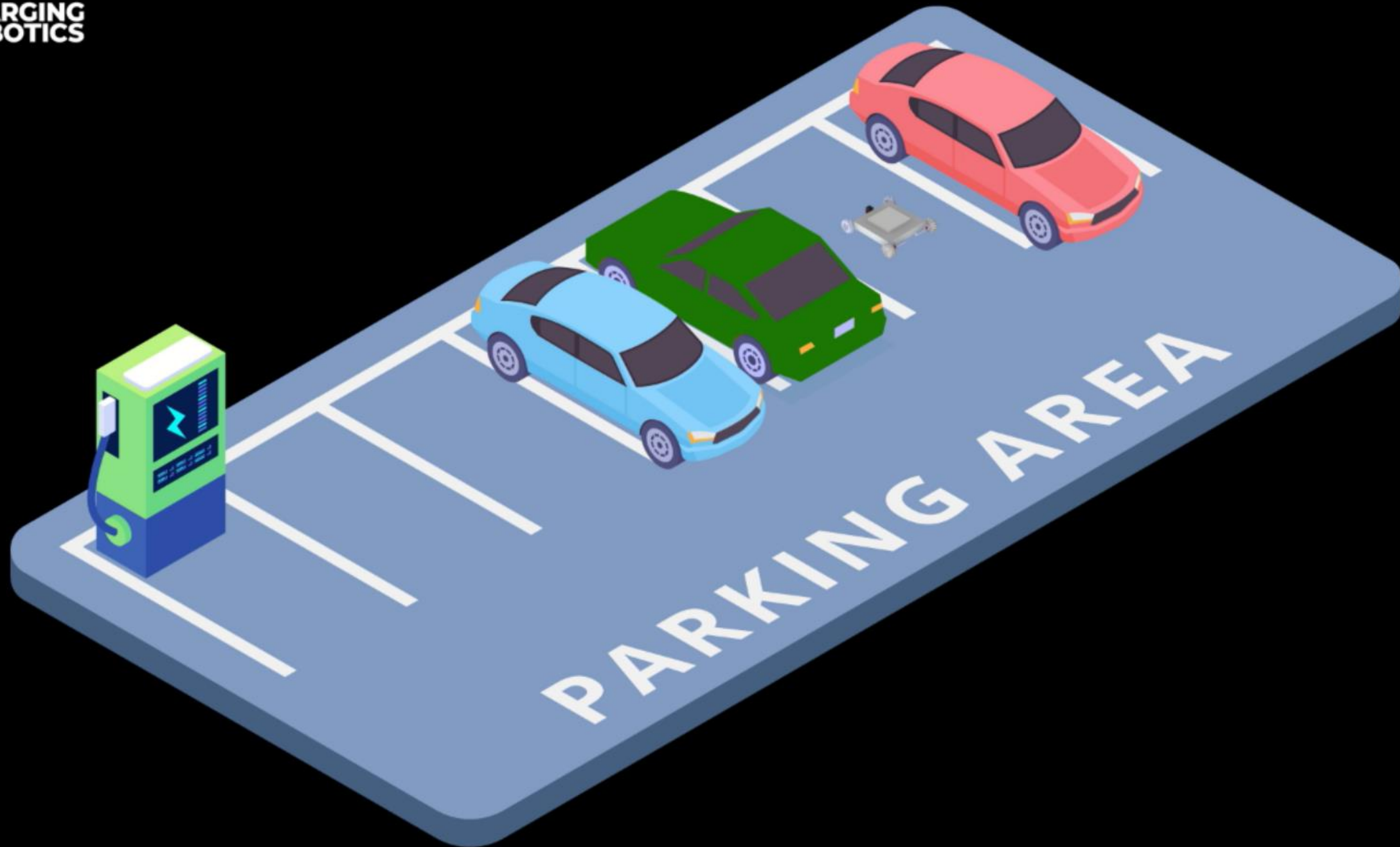
47% CAGR

\$30B by 2027

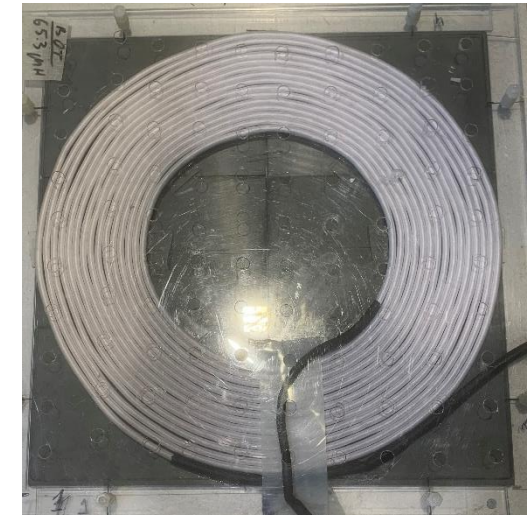
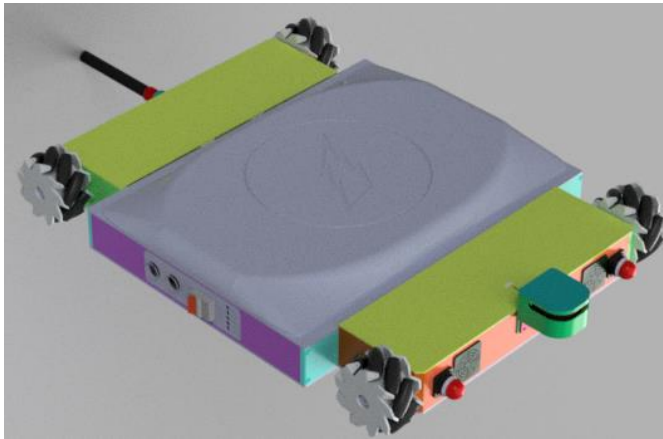
**PUBLIC EV  
CHARGING**







# Development Partners



Robotic System for Wireless Charging of EV

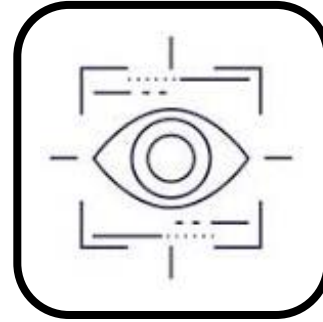
## Use Case



Route Planning  
Battery Consumption



1 Click  
Automatic Charging



Autonomous Navigation  
Vehicle Identification

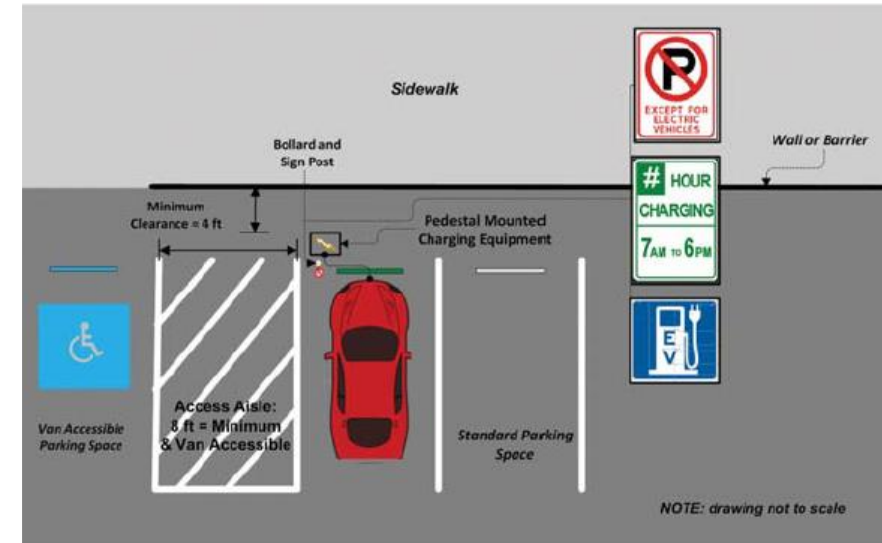


Wireless Charging  
95% efficiency

Managed by **AI** and **Machine Learning** algorithms

# Our First Product – Charger for Disabled Drivers

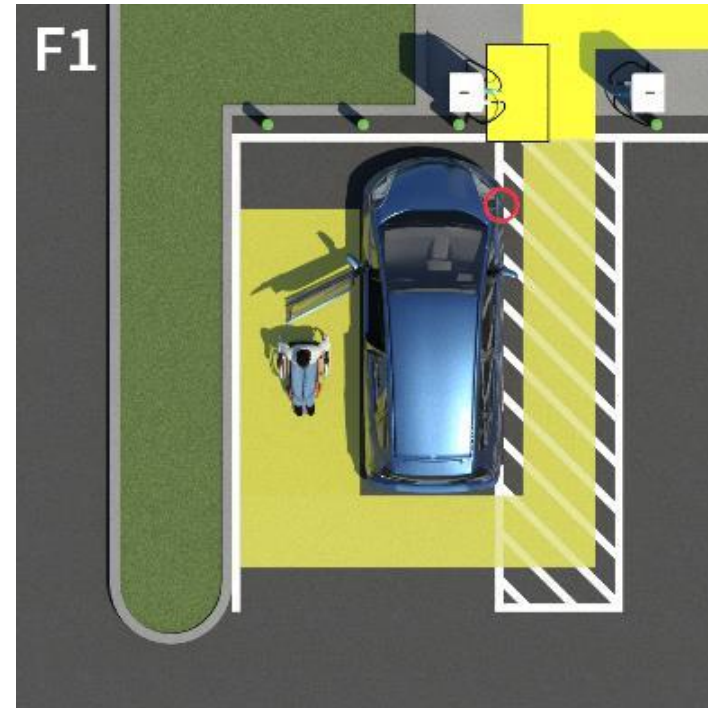
## Automation and Significant Space Saving



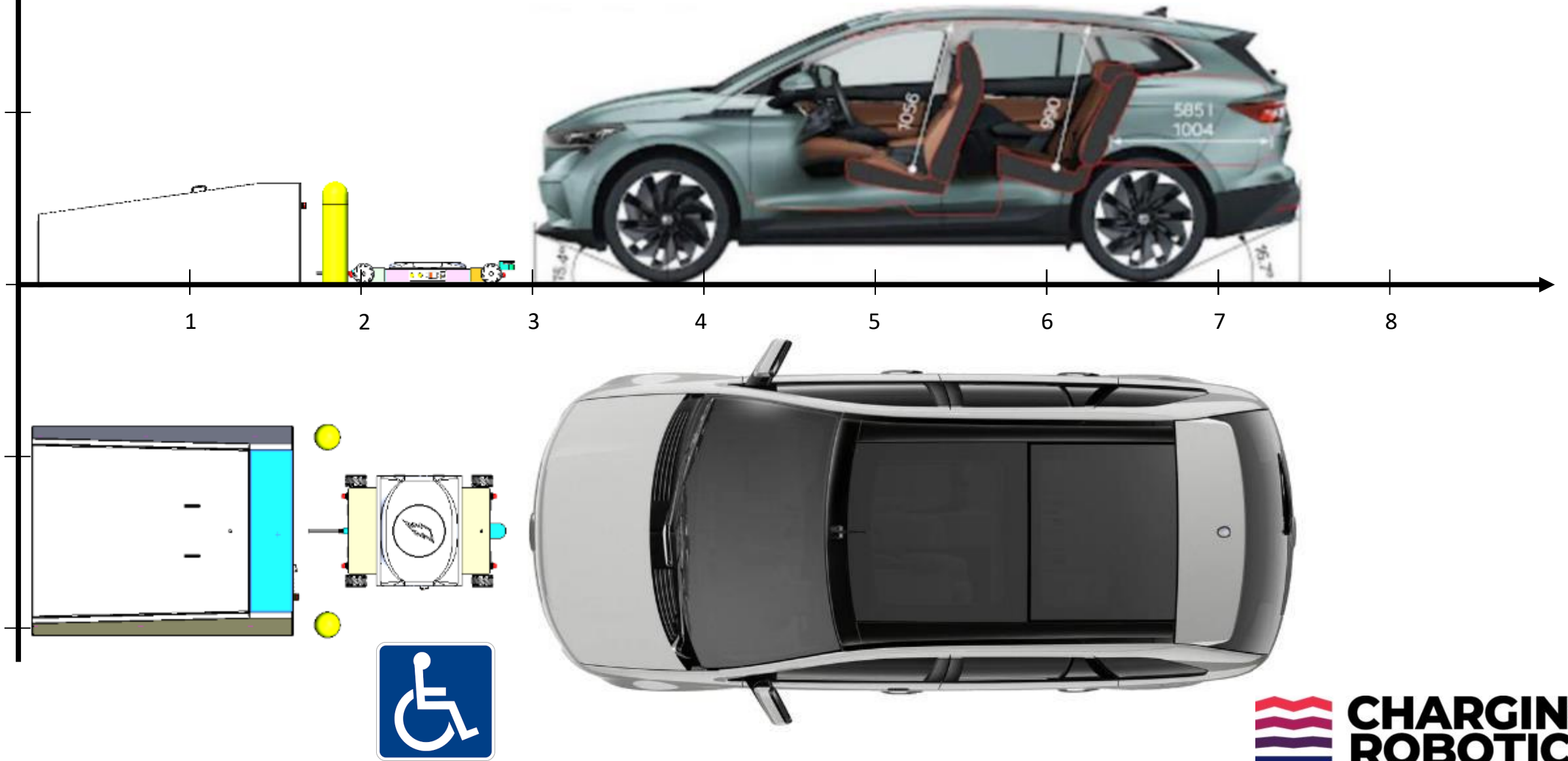
### PAINS:

Difficulty to operate by disabled driver

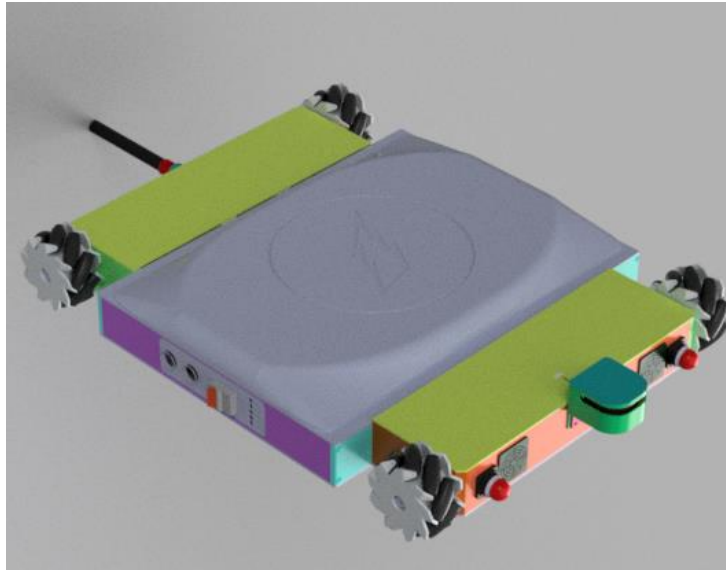
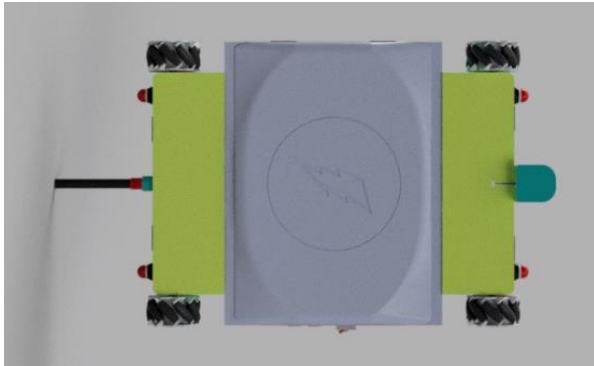
Space requirements in public parking lots



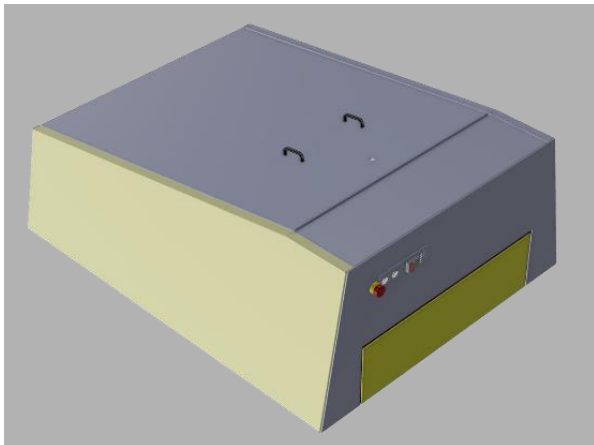
# 1<sup>st</sup> Generation Product Tethered Robot



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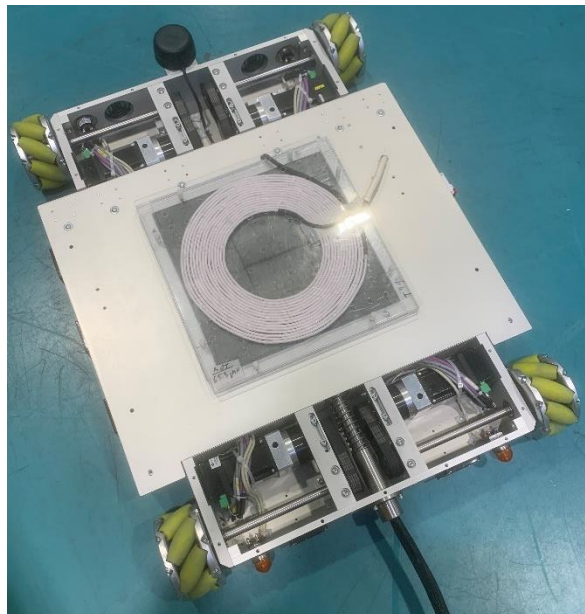
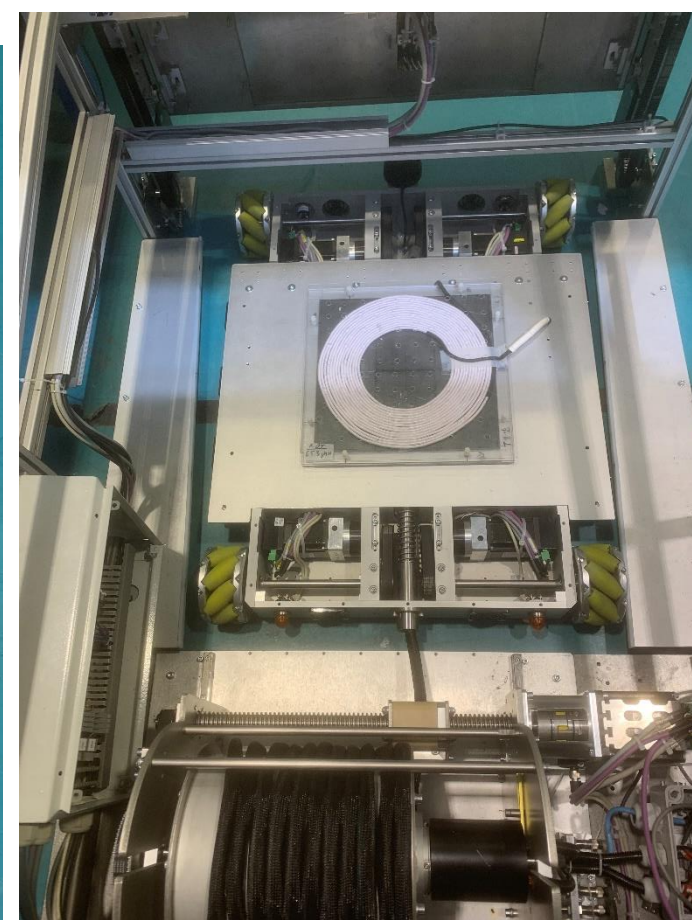
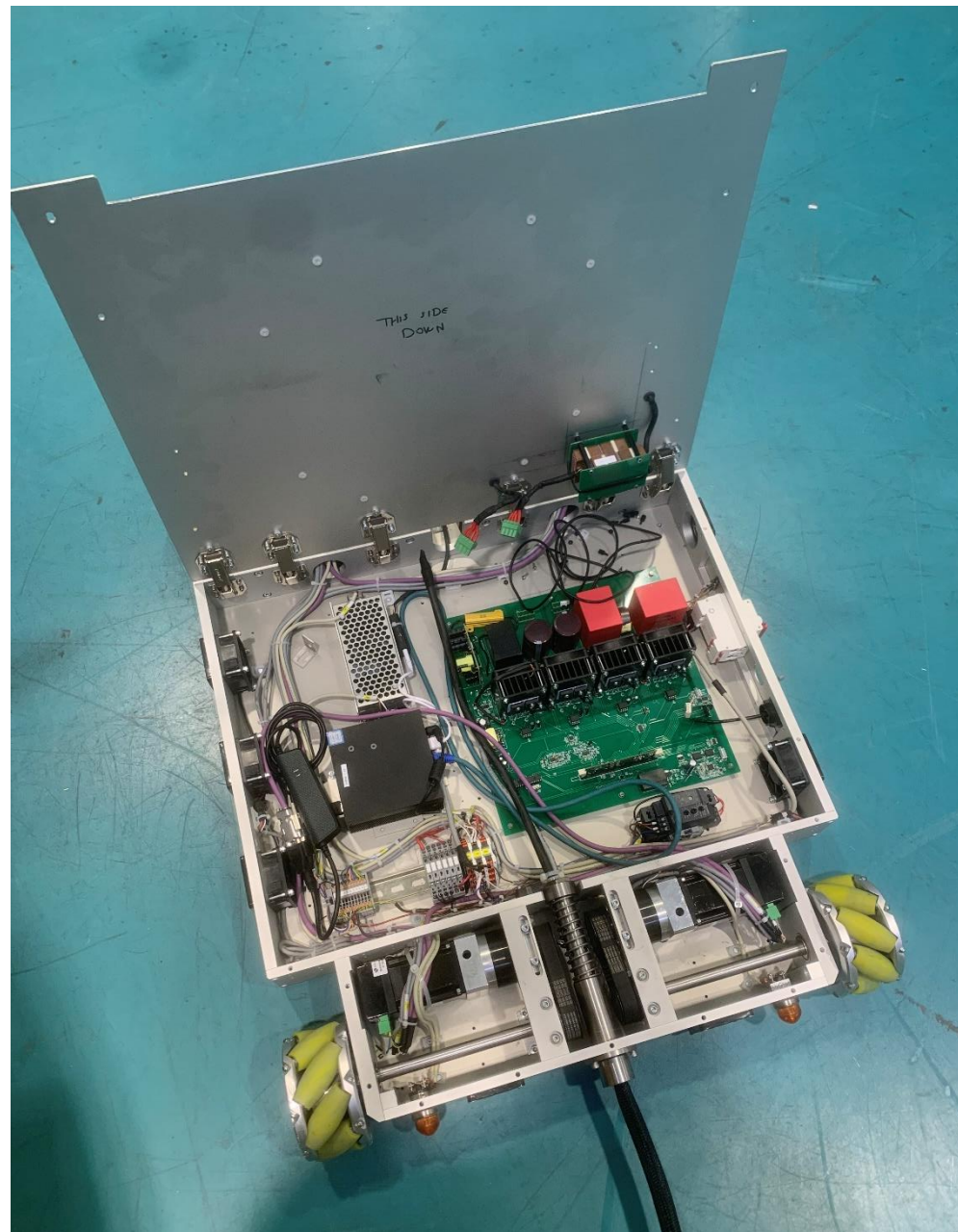
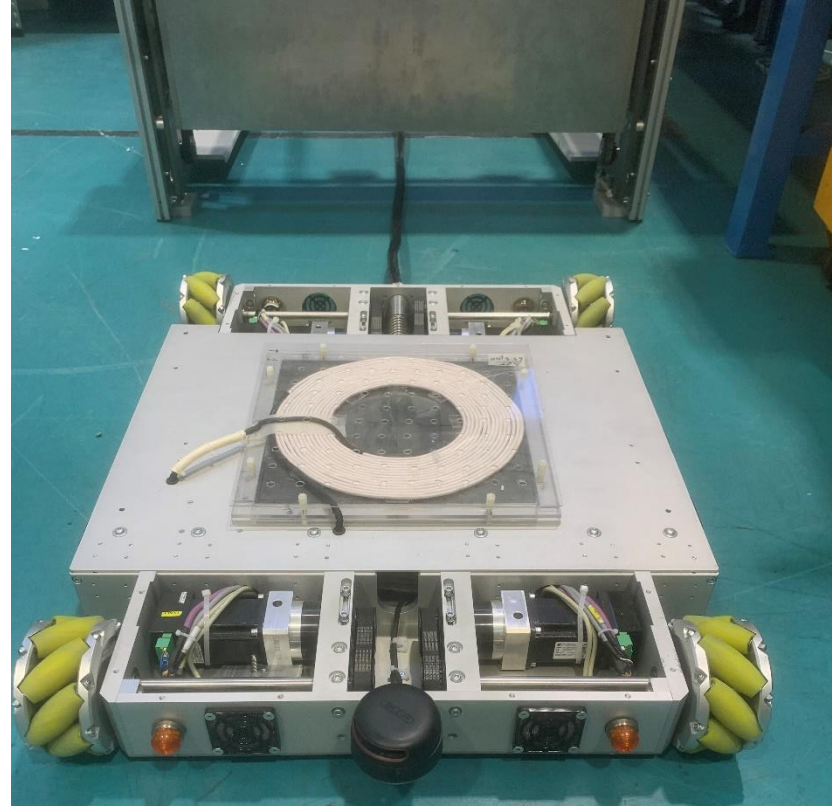


- Autonomous Robot
- Navigation by Lidar (patent filed)
- Robot Docking Station



Pilot testing in progress





# A Solution for Automated Parking Lots

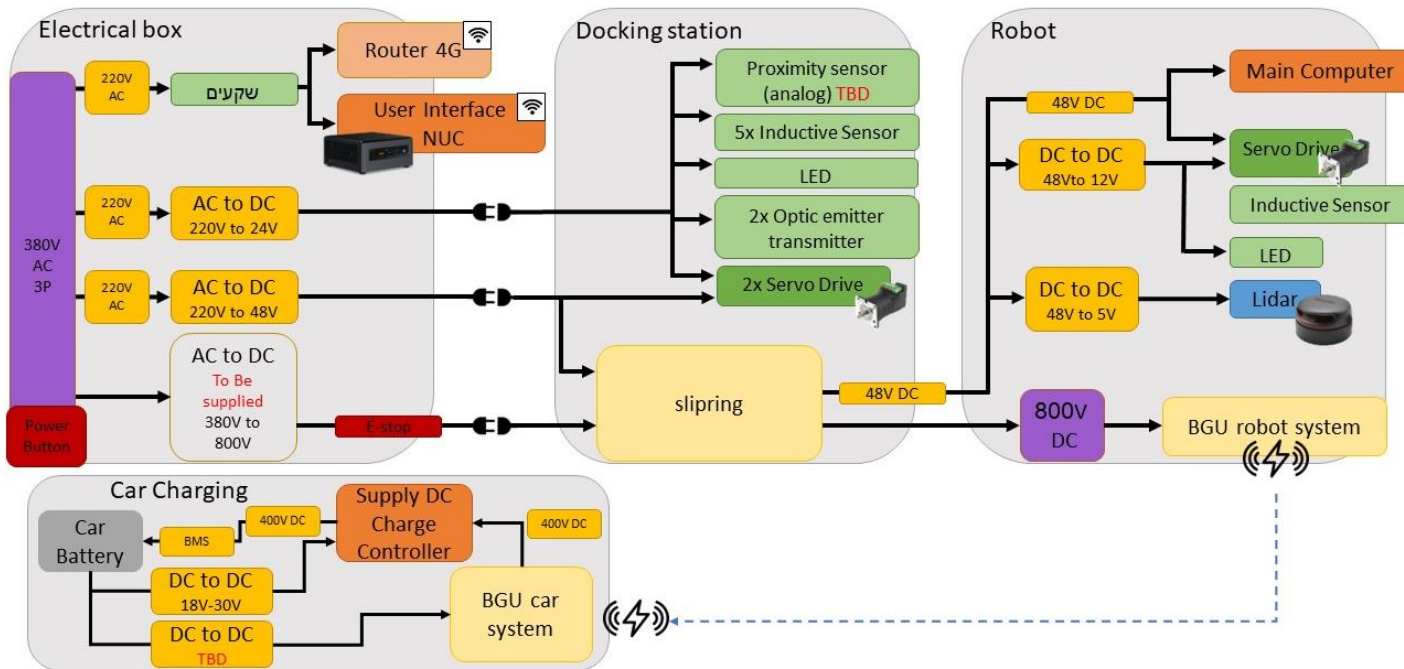
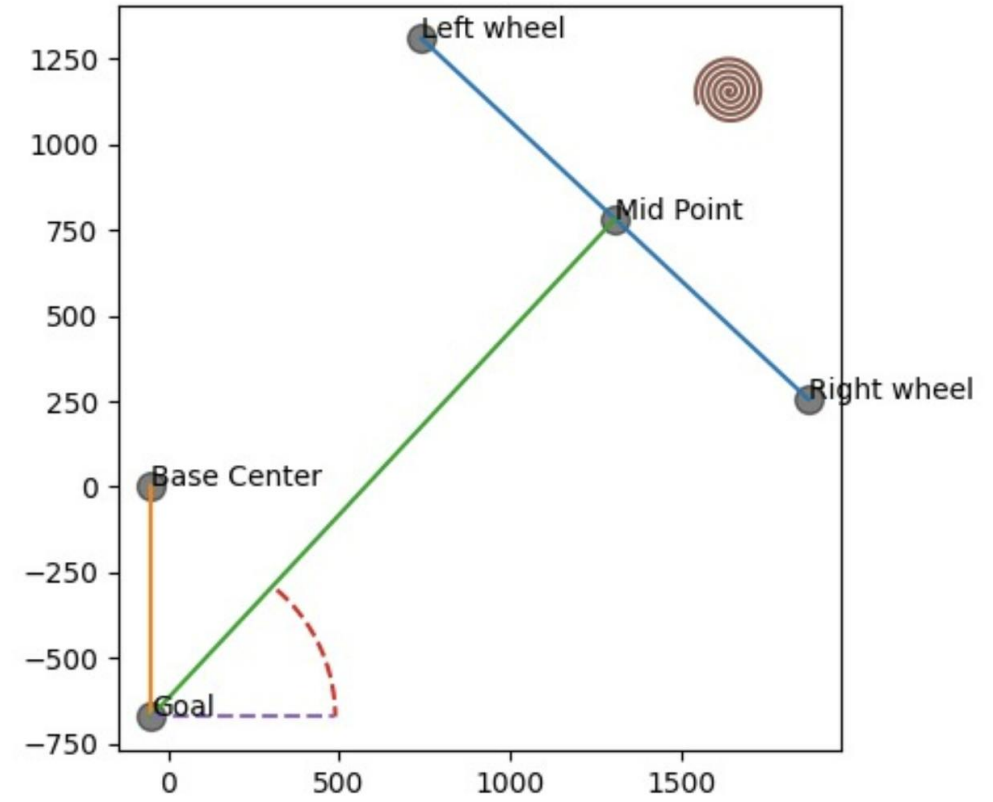


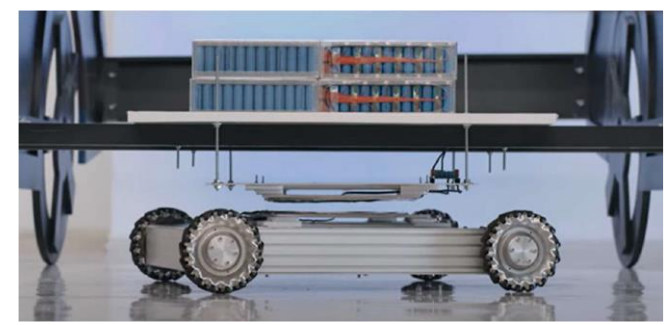
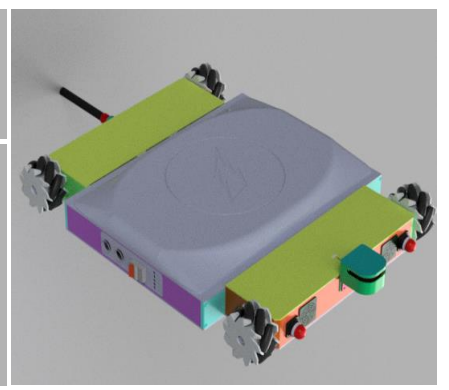
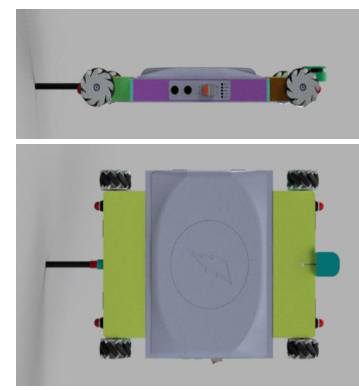
The only viable way to charge



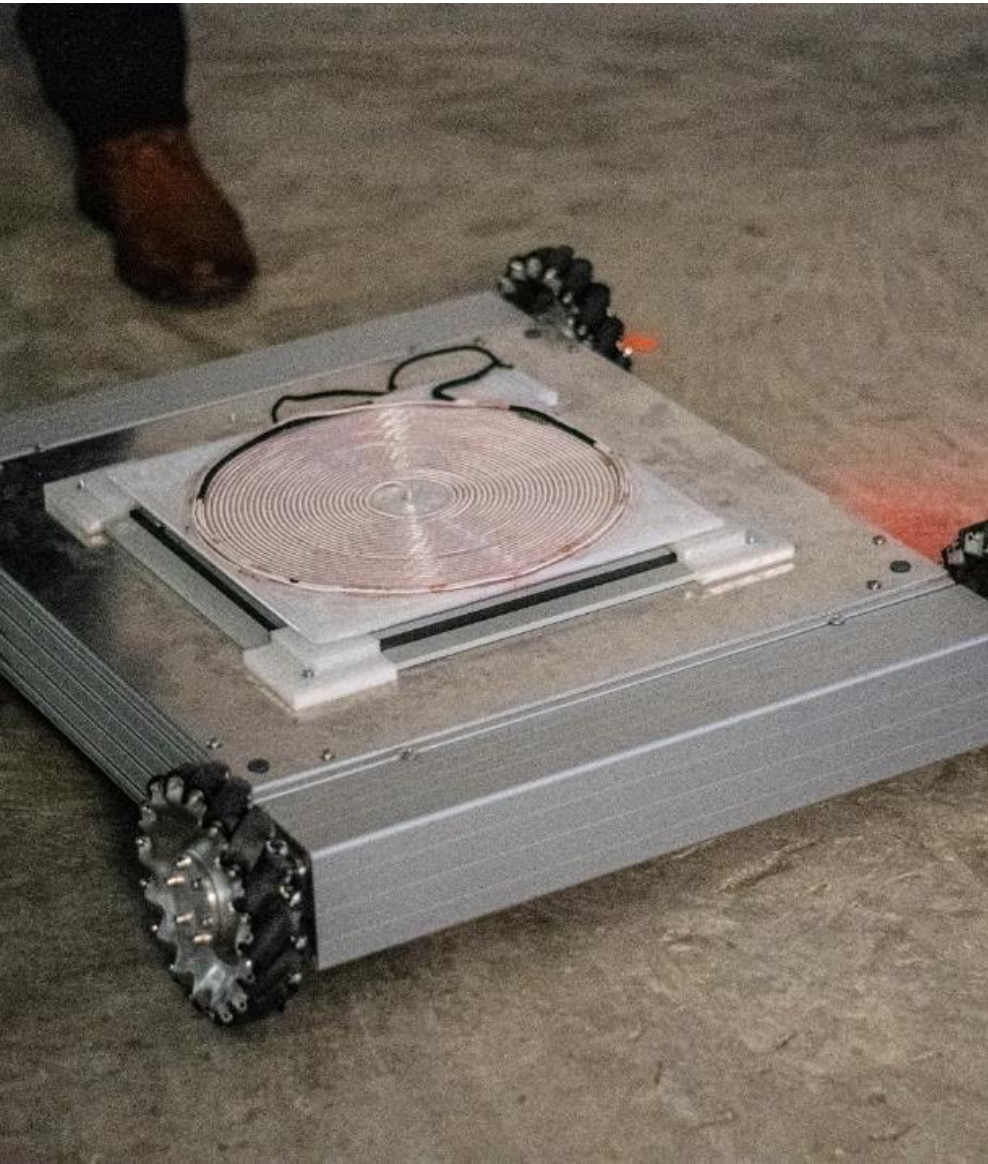
# Main R&D Challenges

- Autonomous Robot & Navigation by Lidar lower than vehicle undercarriage
- Complicated system made by 3 subcontractors





# Let's Charge the EV Revolution



Thank You  
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**CHARGING  
ROBOTICS**