

First-in-class future proved **Autonomous Megawatt Charging System** for commercial EVs

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As batteries & EVs evolve, charging infrastructure becomes outdated fast



Electrical Heavy-Duty



Self-driving functionalities



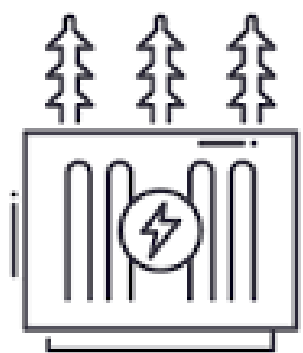
Need for Autonomous super-fast EV Charging

First in class autonomous megawatt charging system for EVs

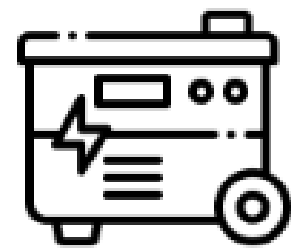


Cloud Backend

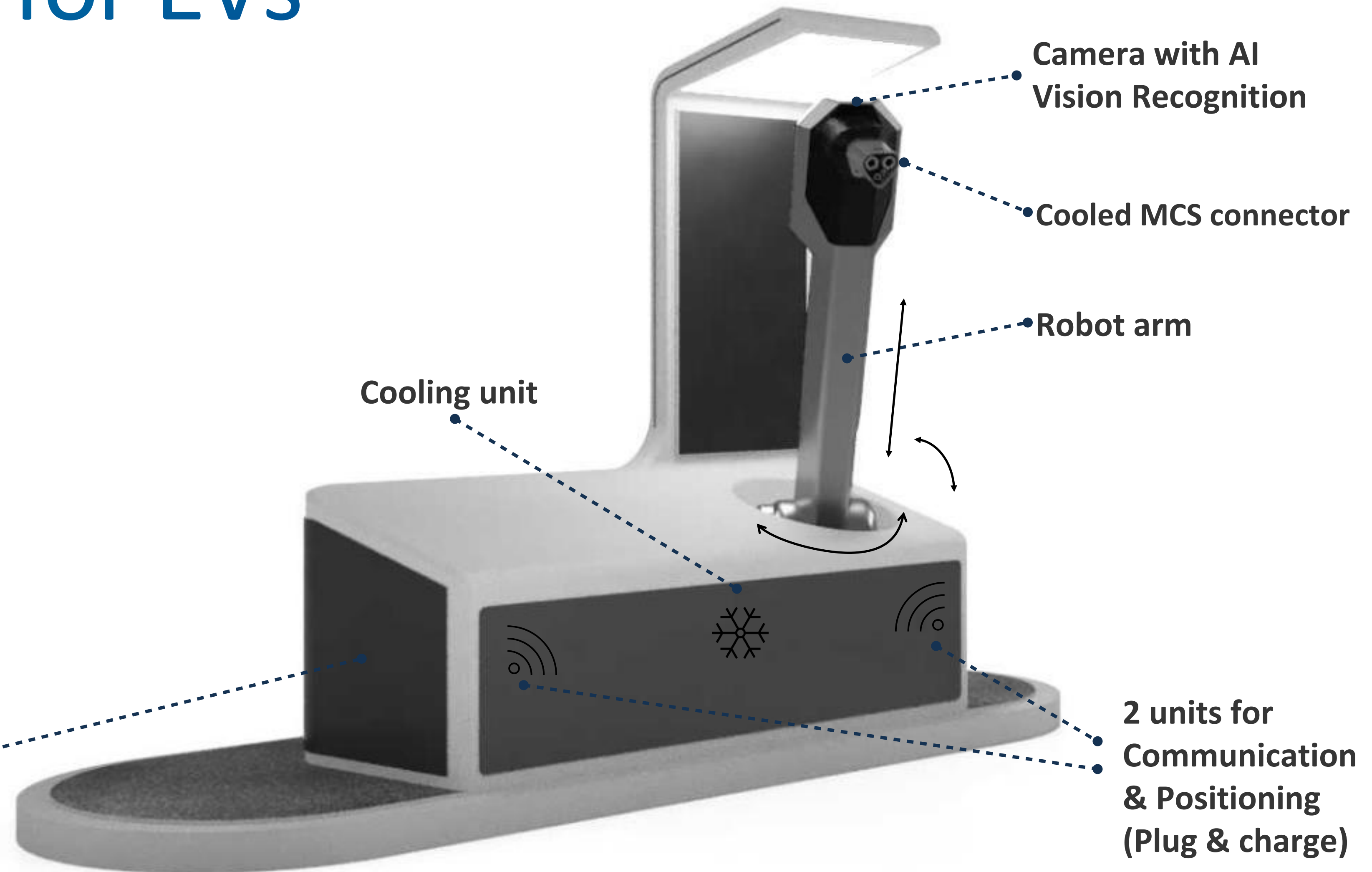
- Machine Learning
- Data Analytics
- Remote maintenance
- Predictive
- Maintenance



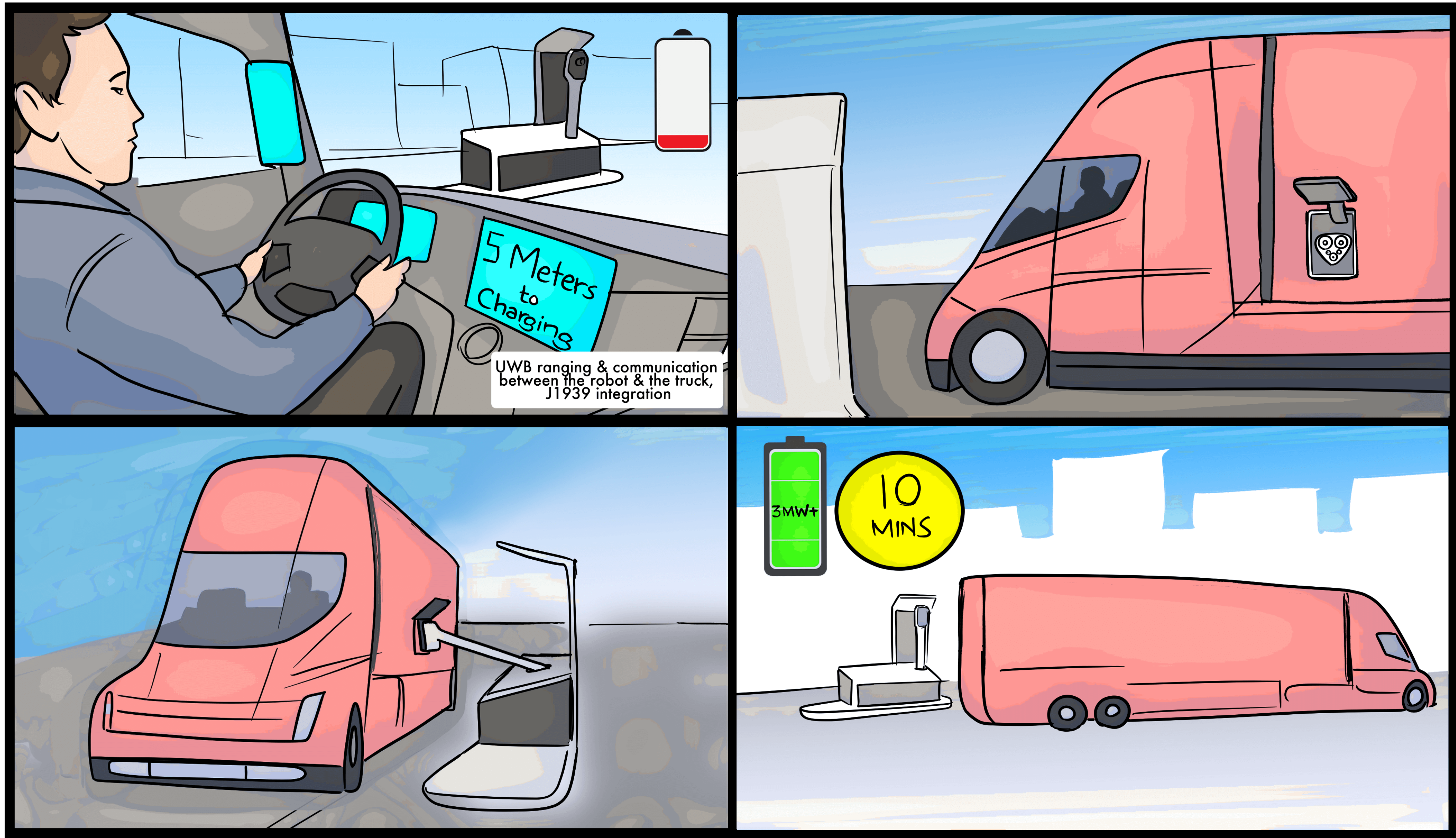
Transformer



Power electronics



How charging of the future works



Unique combination of technologies



Communication & positioning module

- Allows vehicle positioning precisely towards charging devices (15 cm range)
- Operates charging flap autonomously
- Establish communication between vehicle & charging robot
- Available for the independent adoption



Megawatt Charging

- MCS Level 2 Vehicle Charging Inlet 2'000 A.
- Fully integrated, exclusively designed cooled cable compatible with any DC charging connector (MCS, CCS2, NACS, ChaoJi, Ultra-ChaoJi)
- Charging MCS connector /adapted R-MCS connector for mining
- MCS-System is in production. Has been tested at Hitachi High Current Laboratory (ex ABB) in Zürich & at NREL USA
- MCS Vehicle Charging Inlet (Level 3+) up to 4'500 A.

■ In development

■ On the market



Autonomous Charging Robot

- AI-supported Vision Recognition
- Flexible design adapted to vehicle movement
- Rugged design to work in harsh environments
- On-going collaboration with ZHAW School of Engineering
- Charging Robot incl. communication & positioning module and MCS cable

The only “future-proved” charging system Installed now – ROIs for years

10 years

of benefits & costs saving

- Invest now and use it for the next 10-15 years with no extra infrastructure costs
- Own unique design. Affordable prices.
- The only company with software & hardware on the vehicle side: no need for long, heavy charging cables
- Fully automated – no FTE costs

100 %

Reliability & convenience

- AI Vision recognition guarantees successful charging
- Delivers safety, convenience, and reliability to fleet operators and drivers
- It can be installed along the off-road fleet route (in mining)
- Allows 24/7 uninterrupted operations

10 mins

Time to charge commercial EV

- Fully integrated e2e system (Plug'n'charge)
- Top off energy reserves for various heavy-duty vehicles in 10 mins (up to 5 MW). 10 times faster than Tesla Supercharger and HPC
- Fast vehicle turnover guaranteed

grivix acts on the global decarbonization



Automotive
15 % CO2



Mining
7 % CO2

71% GHGs in transportation come from heavy-duty and long-haul vehicles

Vision

We will set the standard for powering the transition to sustainable, carbon-free, affordable, and safe mobility of commercial vehicles globally

Goal

18 500 autonomous charging stations in the field by 2030



Management team 100% dedicated



Marc-Andre Beck

Founder/CEO

Electrical engineer, EMBA

Expert in EV charging solutions and eMobility
Lead Ruggedized MCS CharIn workstream



Yulia Voloshchuk

Co-founder/CEO

Manager, EMBA

International business leader
Expert in commercial & product launches



Current team is : 6 FTE

CORE Team new hires identified. Ready to join the team asap.

Come join us
on this ride



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