

MAGMENT

Scaling wireless charging infrastructure with
magnetizable building materials



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CURRENT PUBLIC CONCEPTION OF VEHICLES ELECTRIFICATION

Current solutions in the market are static and too expensive or with limited performances

01

Static charging

- Downtime during charging
- Must be at charging station



02

High equipment cost

- Higher upfront costs
- High battery costs
- Higher vehicle costs (25%+)



03

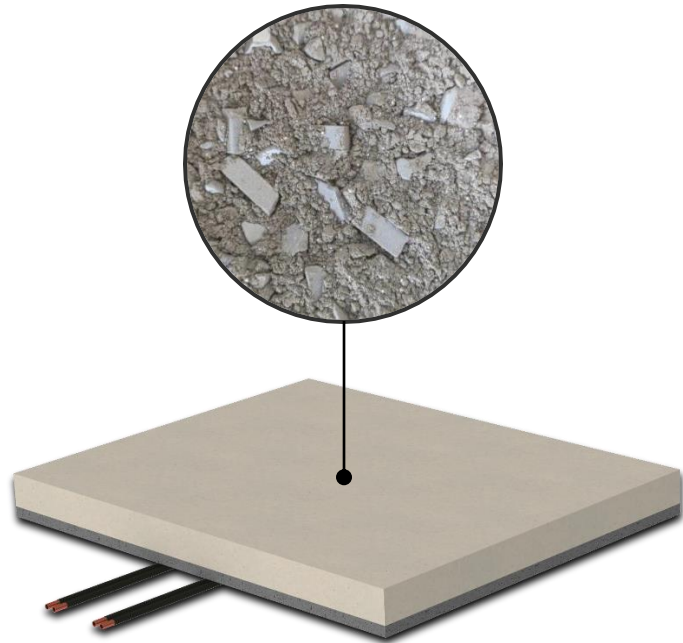
Limited performance

- Limited driving range
- Static full charge: 4-8 hrs



MAGMENT IS DISRUPTING HOW CHARGING IS DONE

A proprietary technology for the production of magnetizable cement & asphalt concrete



Technical advantages



Easy assembly



Design flexibility



No charging idle time



Optimal safety

Ecological advantages



Recycled materials



Enabling CO₂ reduction

Economical advantages



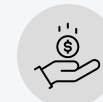
Smaller batteries needed



Allows carbon offsets



Less equipment needs



Highly cost-efficient

Mixing **cement** or **asphalt** and recycled magnetic ferrite particles, we create **magnetizable concrete**

Our product performs **wireless charging of static** and **moving vehicles**



MAGMENT IS DISRUPTING HOW CHARGING IS DONE

USP: Highest performance at lowest cost

❖ Ultra-high performance Magnetizable Concrete MC120®

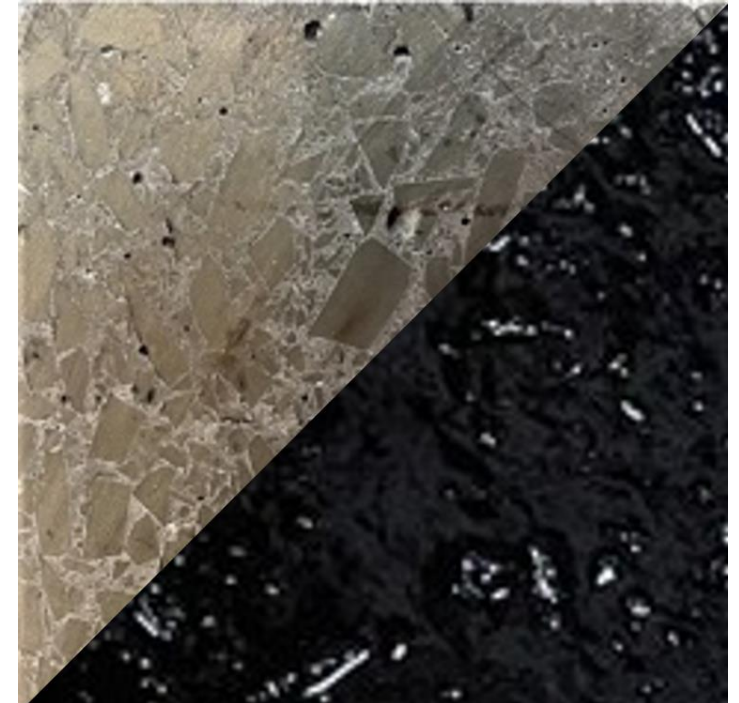
- Compressive strength (cylinder): 120MPa
- Relative magnetic permeability : 120
- Magnetic losses (85kHz,50mT) : 120 kW/m³

❖ Magnetizable Asphalt MA80®

- Relative magnetic permeability 80
- Magnetic losses (85kHz,50mT) 80 kW/m³

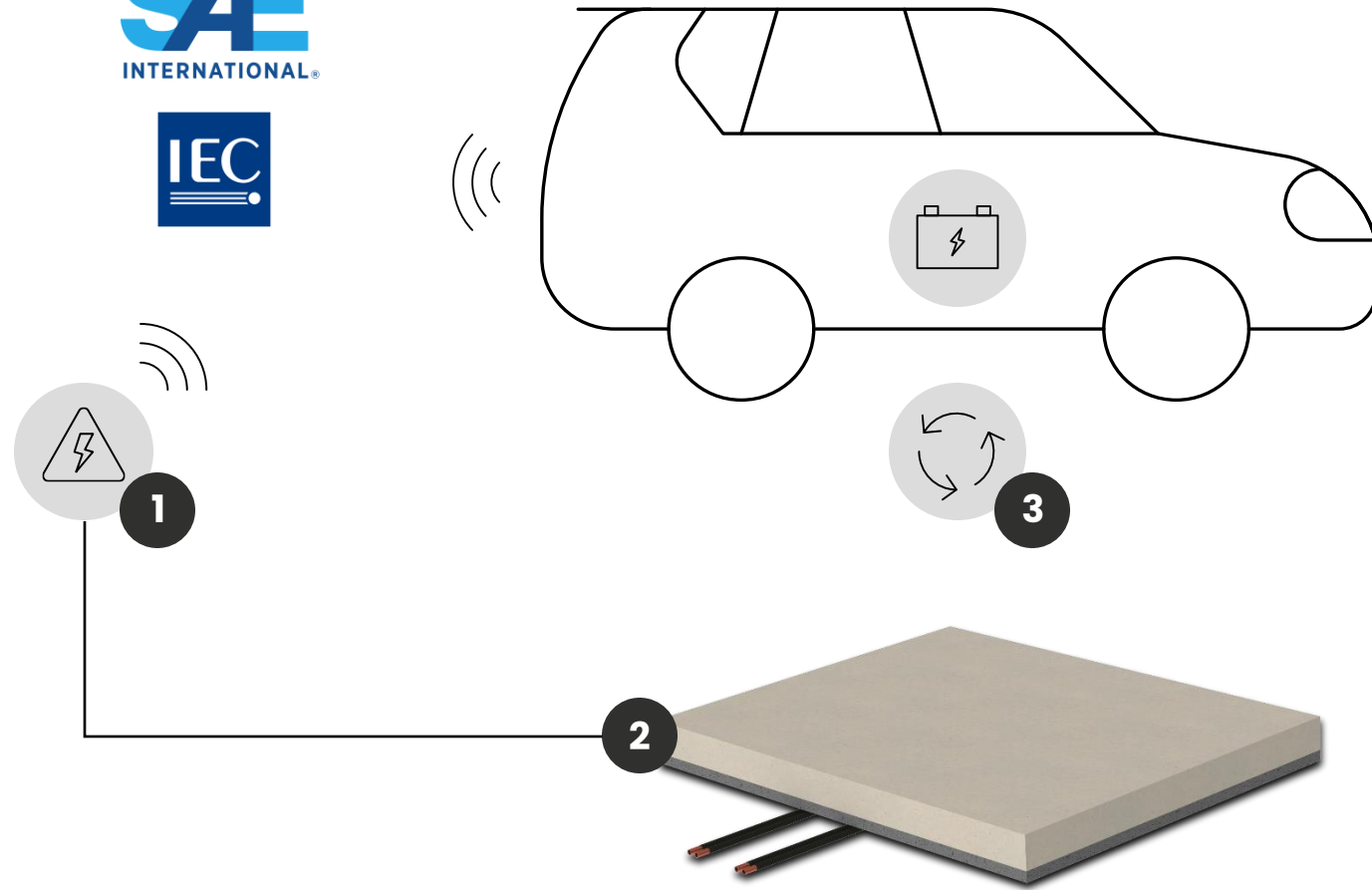
❖ It can be shaped into any form and thus enables **efficiency** optimized magnetic designs that are tailored to each specific application.

❖ The **cost** of magnetizable concrete is **lower by a factor of 4-5** when compared to the cost of conventional ferrite tiles.



GLOBAL WIRELESS CHARGING STANDARD

MAGMENT supports static and dynamic wireless charging to ensure interoperability



1

The power controller and the car **share a signal** authorizing the electricity transfer

2

The power controller **transmits electricity** to our magnetizable concrete modules

3

With the minimal loss, our modules **create an efficient magnetic field** to charge the cars' batteries without any wires



MAGMENT PRODUCTS PORTFOLIO

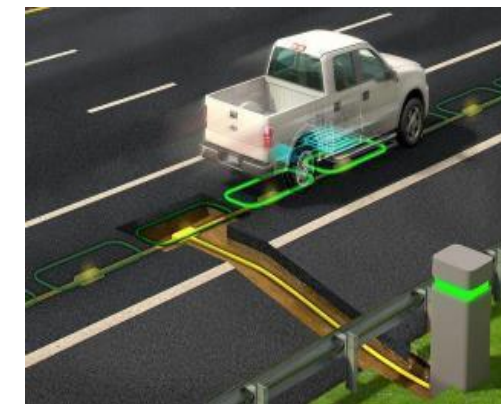
Our portfolio comprises 3 products targeting different vehicles

The MagDock™

The MagTrack™

The MagCharge™

Illustration



Served vehicles

Electric scooters

Intralogistics electric vehicles

Commercial & passenger electric vehicles

Potential locations

Big city streets & residential

Factories & logistic centers floors

Roadways ground

Stage development

Field installations in GER, CH, JAP
TRL 9

Ongoing pilot in GER
TRL 6-7

Ongoing pilots in the US (IN, UT)
TRL 5

Static / Dynamic

✓ / ✗

✓ / ✓

✓ / ✓

Revenue '23

170k€

209k€

378k€

Revenue '25 est.

550k€

3,4M€

1,2M€

Revenue '27 est.

3,6M€

17,4M€

20,1M€

Customers

B2B

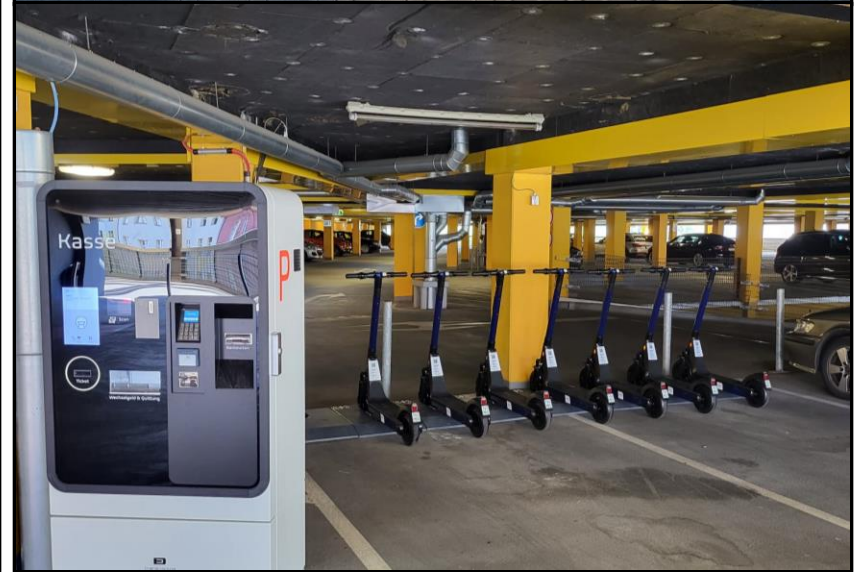
B2B

B2G / B2B2G



MICROMOBILITY @ Hospitality

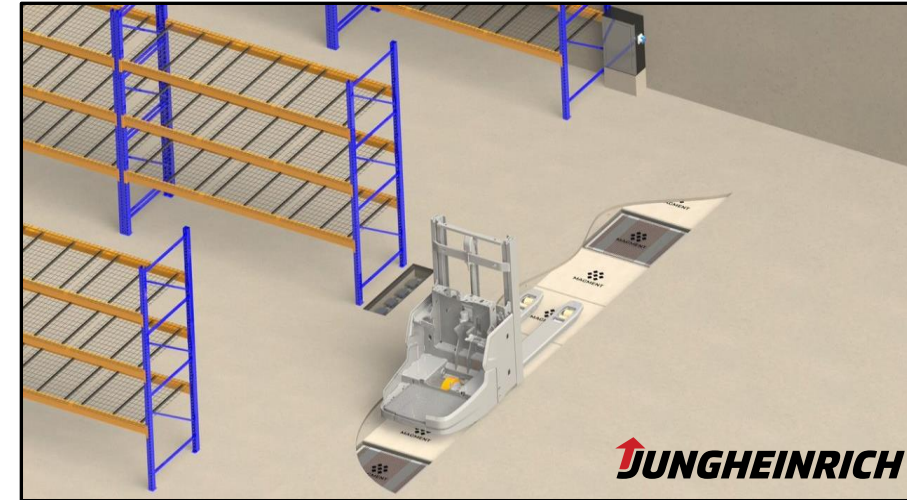
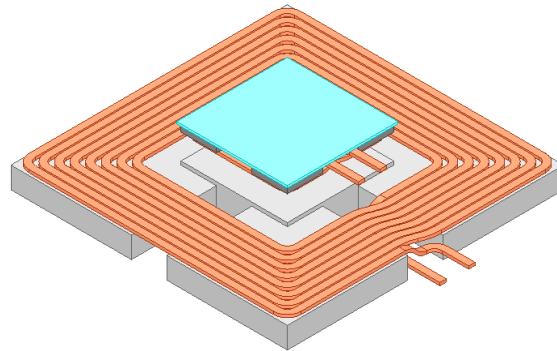
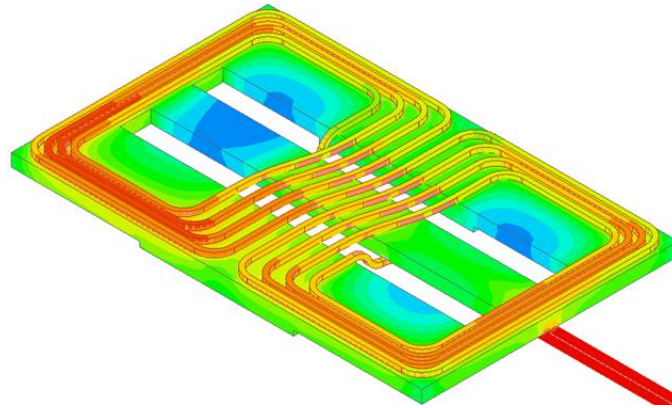
A success story: deployed in 55 locations throughout Germany, Austria and Switzerland



DYNAMIC WIRELESS CHARGING @ INTRALOGISTICS

Powered in operation on a charging track

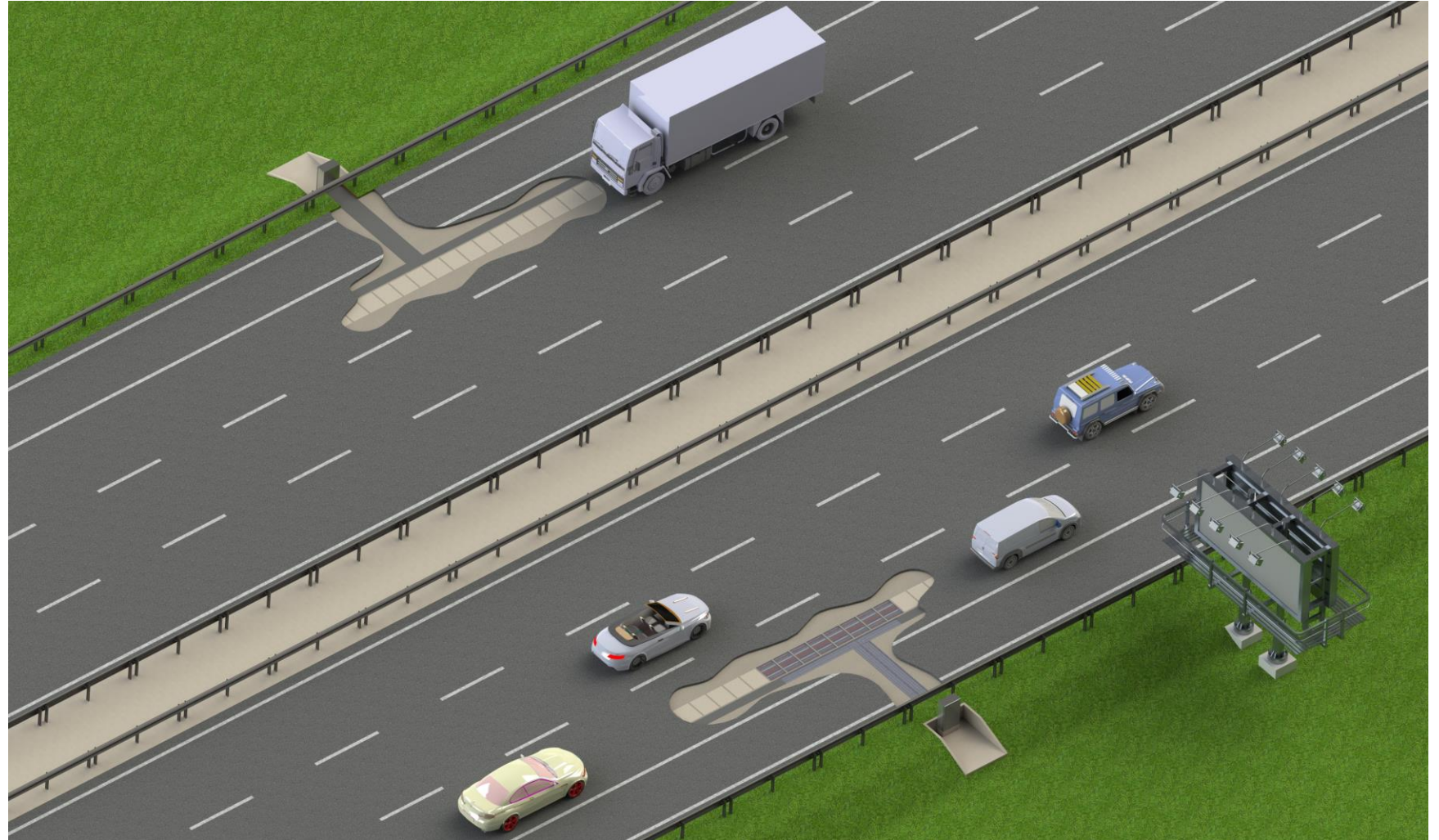
- High Efficiency Charging 93%-95%
- Full power of high-energy streams immediately after start
- No wear and tear or maintenance as there are no contacts involved
- High mobile positioning tolerance compared to contacts and omnidirectional charging
- One single wireless charging system can supply power to different vehicles & batteries
- Intelligent wireless data transfer



DYNAMIC WIRELESS CHARGING @ ROADWAYS

Decarbonizing transportation by on-road vehicles

- Increased up-time, no stop
- Reduction of battery capacity and thus costs
- Increased battery lifetime
- Seamless automated charging and paying
- Potentially "unlimited" range by only equipping 20~30% of the route
- Charge where you go not go where you can charge
- Fully interoperable



KEY ROADWAY PROJECTS

MagCharge dynamic charging pilot projects deployment



STRABAG



2023



20 mts

M.I.L.A.S



2023



50 mts

ASPIRE



Utah State University

2023



50 mts

ASPIRE



2023



0.4 Km



ferrovial

2024



0.4 – 1.6 Km

ASPIRE



ferrovial

2024



8 – 10 Km



Wireless EV Charging Grant Program act of 2023
250M\$ U.S. DOT grant budget



PENNSYLVANIA TURNPIKE SUSTAINABILITY PROJECT 2040

First Phase (23Q4): fleet charging stations @Harrisburg, Pittsburg



IMPLEMENTATION THROUGH PARTNERSHIPS

We generate revenue by leading project consortia

Global production & working capital

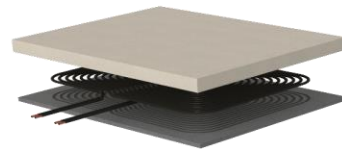
We will directly sell to global production process leveraged in partnership with key leading companies



MagDock™



MA80®/ MC120®



MagPad™ - MagTrack™

Market access & commercialization

We will implement our solutions along approved services and manufacturing engineering companies



Wireless Charging Services

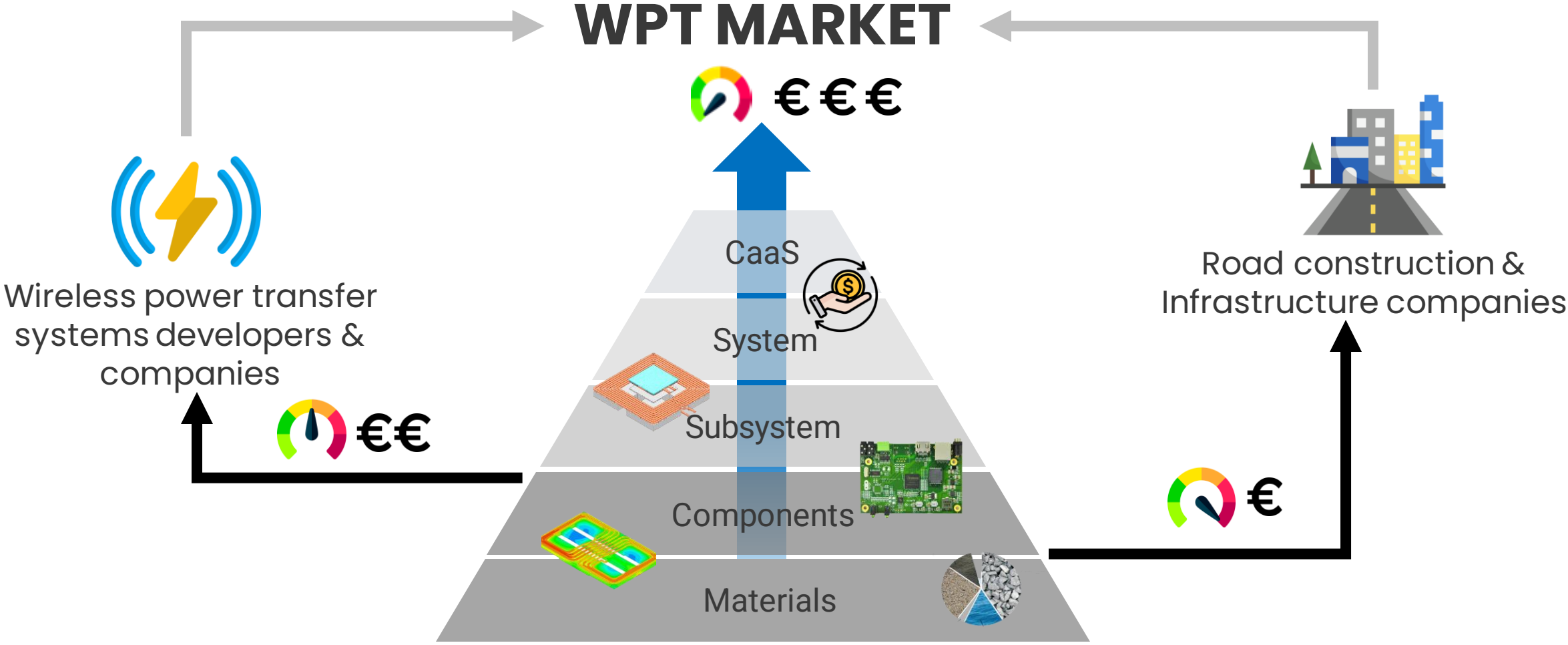


Dynamic & Stationary



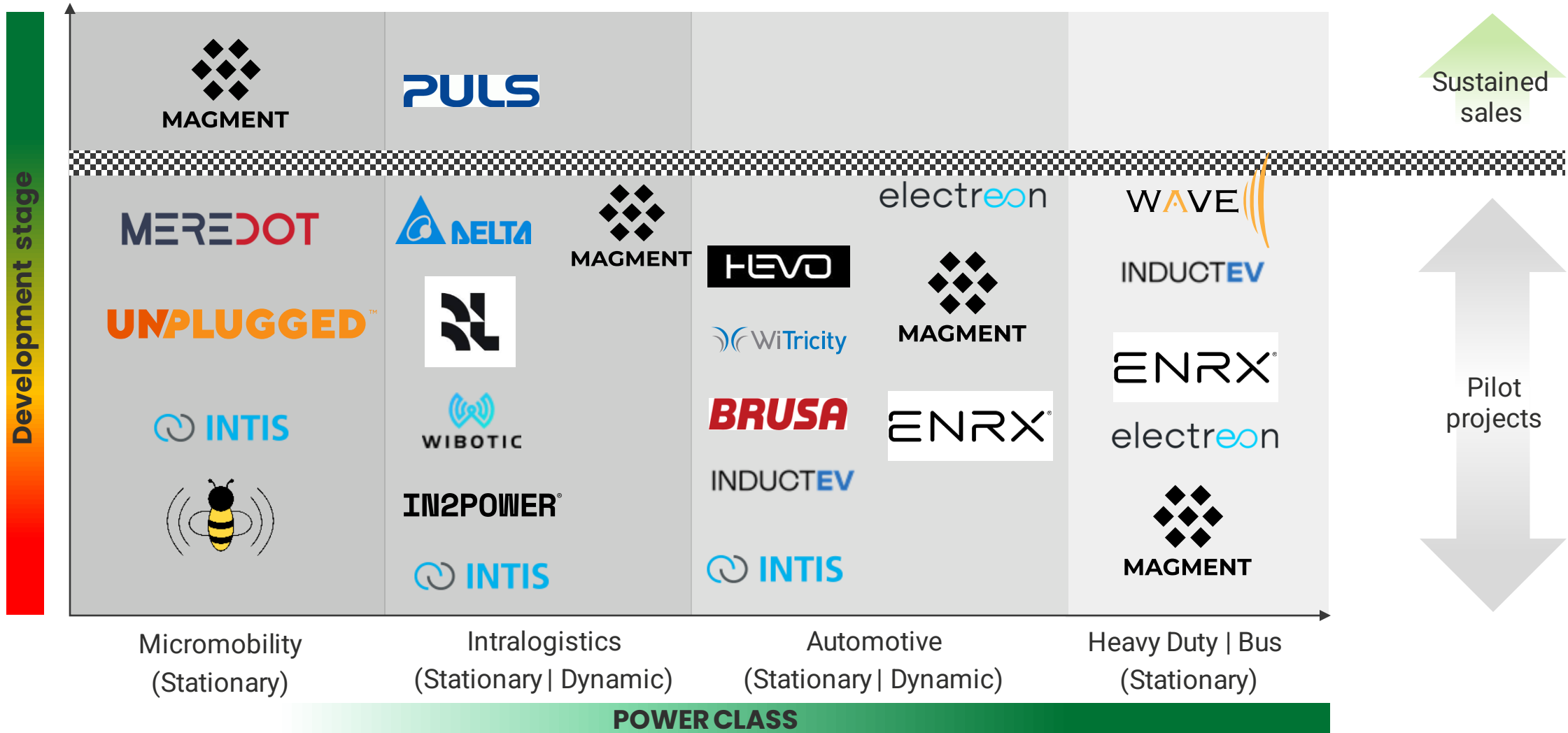
BUSINESS MODEL

Complete market coverage via different selling routes



MAPPING THE WPT COMPETITIVE LANDSCAPE

Base technology in all markets: "MAGMENT inside"



LOGISTICS CHARGING: A UNIFIED APPROACH

Low TCO, efficient and safe inductive charging solutions



Typical logistic operator client
(i.e. Amazon, Walmart, DHL, etc.)

WAVE CHARGING 



 
MAGMENT



Customer Benefits:

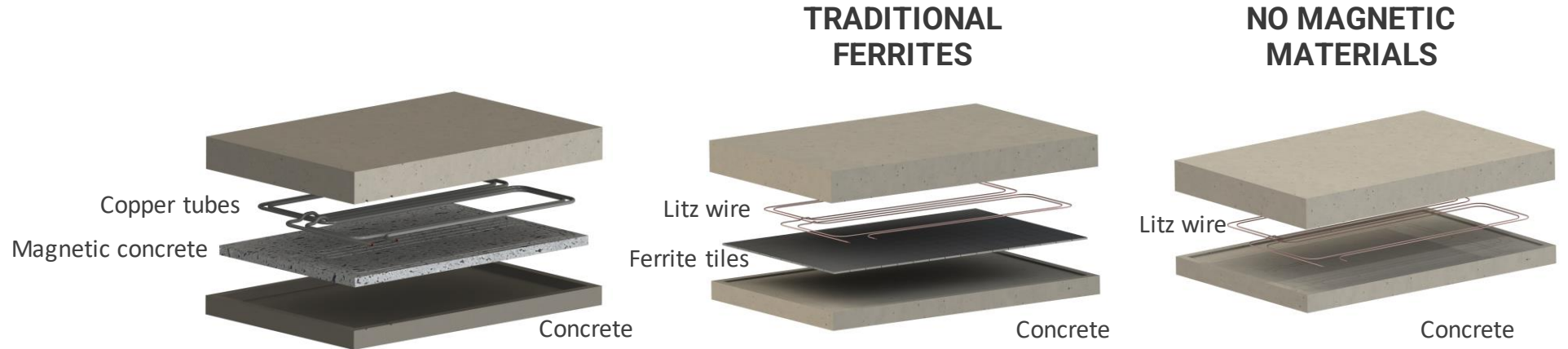
- Partnership as entry point into EU market
- **Magment** as industrialization partner for standards compliance & cost objectives

- Lower TCO
- Holistic solution for logistic mobility
- Single Interface with Service Provider

- Partnership accelerator in US market
- **WAVE Charging** experienced Market Leader in HD wireless technology



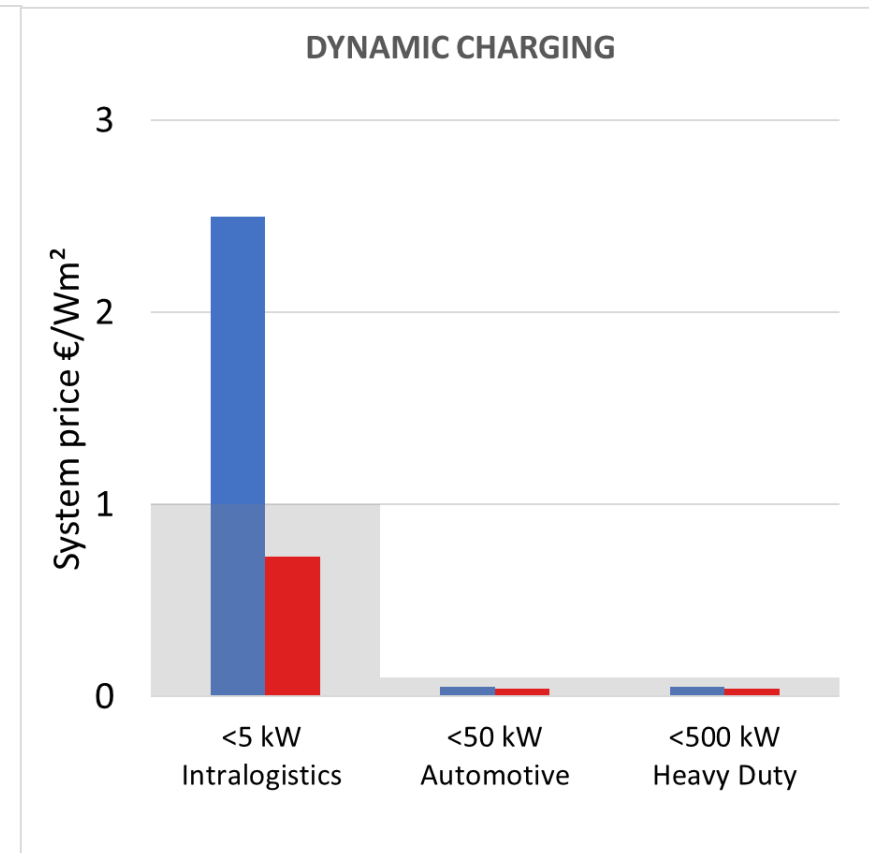
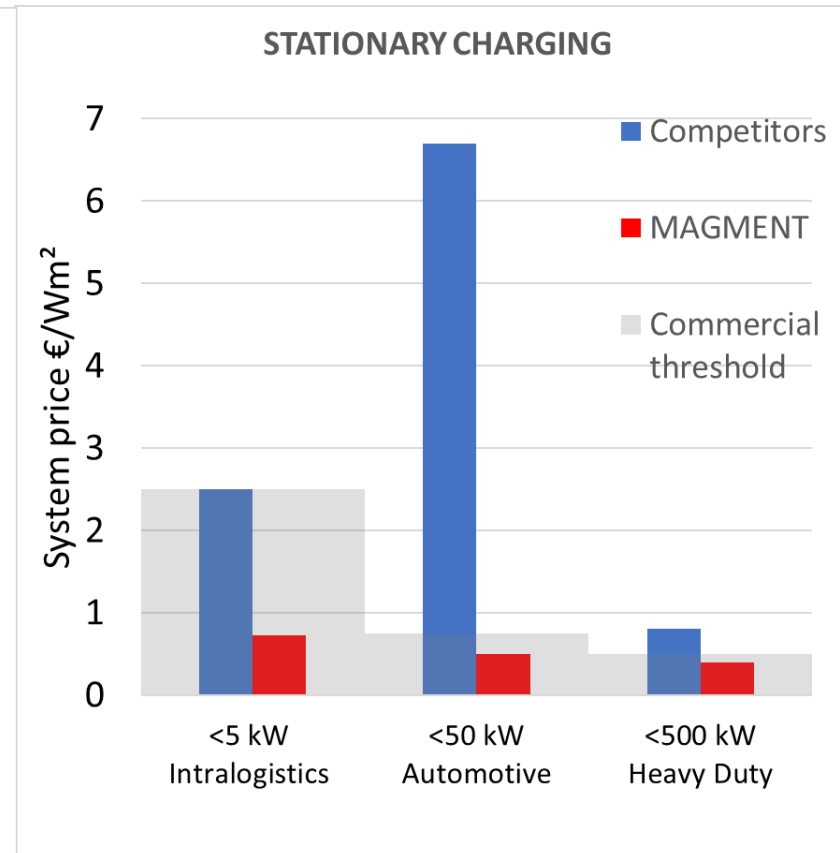
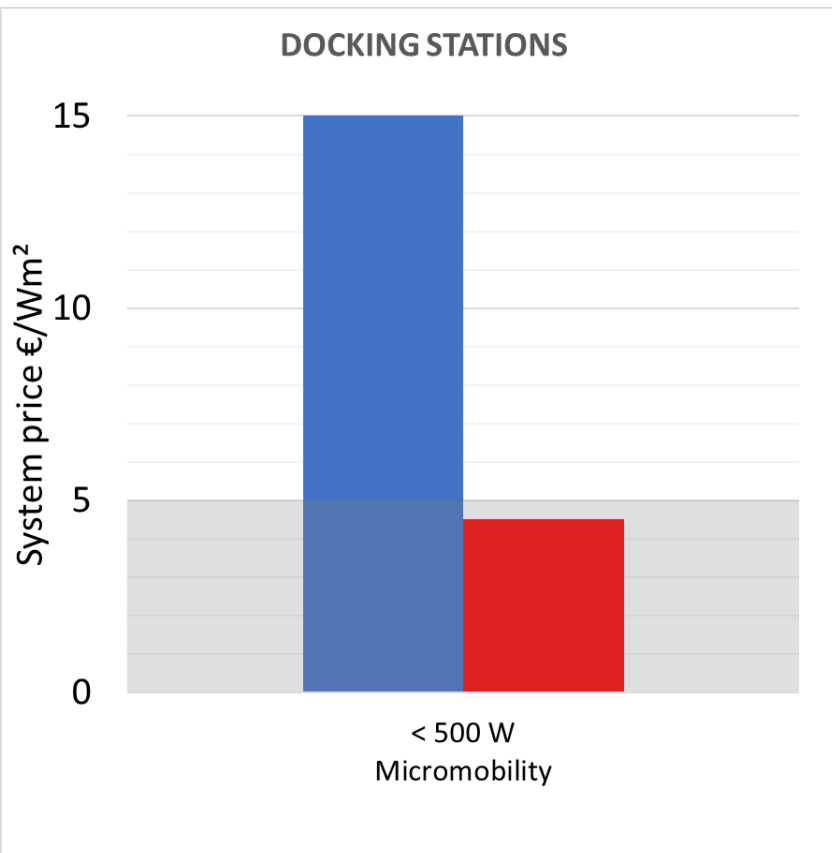
MAGMENT COMPETITIVE ADVANTAGE vs. COMPETITORS



Materials cost	●	●	●
Installation costs	●	●	●
Road construction regulations	●	●	●
Local sourcing	●	●	●
Standard construction methods	●	●	●
Radiation emissions regulations	●	●	●
Efficiency >90%	●	●	●

MAGMENT COMPETITIVE PRICE ADVANTAGE

- Inductive wireless charging industry-wide benchmark
- Commercial threshold vs. competing technologies
- System price normalized with respect to power rating and area



THE TEAM

A founder-led multi-expertise & international team (+10 nations)



Mauricio Esguerra

Co-Founder & CEO

Ex-CTO at Eglo and EPCOS, 30+ years of management experience.

Studied Physics at TU Munich & Ohio State



Maximilian Wirth

Co-Founder & COO

Previous experience in corporate private banking at Merkur Bank. Masters in Automotive and Mobility management and Bachelors in Economics



Miroslav Tesic
Project Management

Experienced clean tech executive with background in product and business development; Ex Director / CEO at Turbina IPD; Energy Globe Ambassador 2020



Rafael M. Acevedo
CEO Americas

Civil and Environmental engineer with over 40 years experience. 15+ Years of experience as Lead environmental & Transportation at IAB.



Camilo Ruiz
Business Development

Ex Product Marketing Manager at General Motors. Previously co founded a fintech company. MIT and Harvard Business School alumno





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