

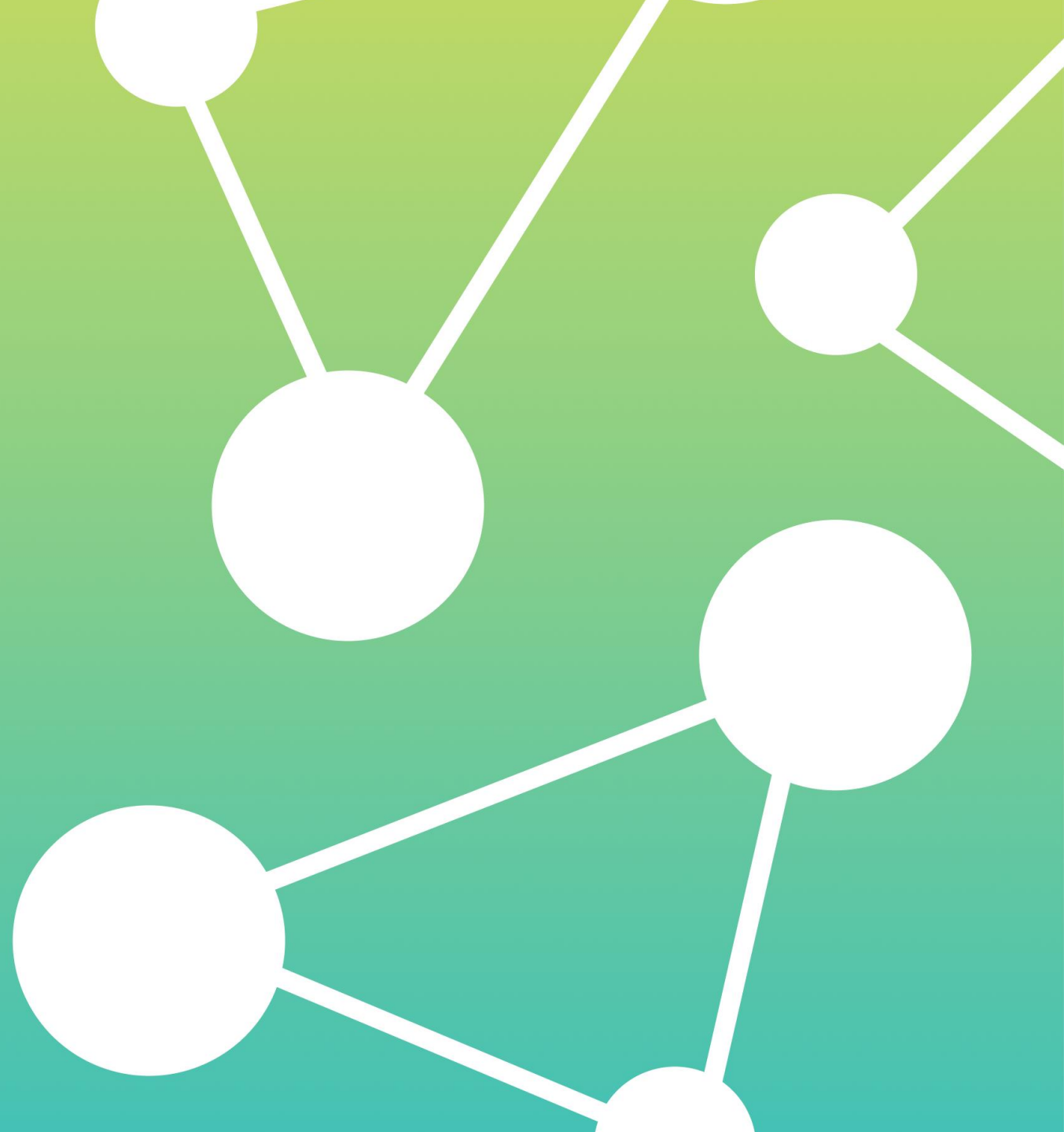


GovTech Connect

Transforming Government, Together



Magnetika Presentation



Key Info

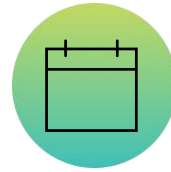


Magnetika

www.magnetika.tech



BCN Tech City,
Barcelona, Spain



2018



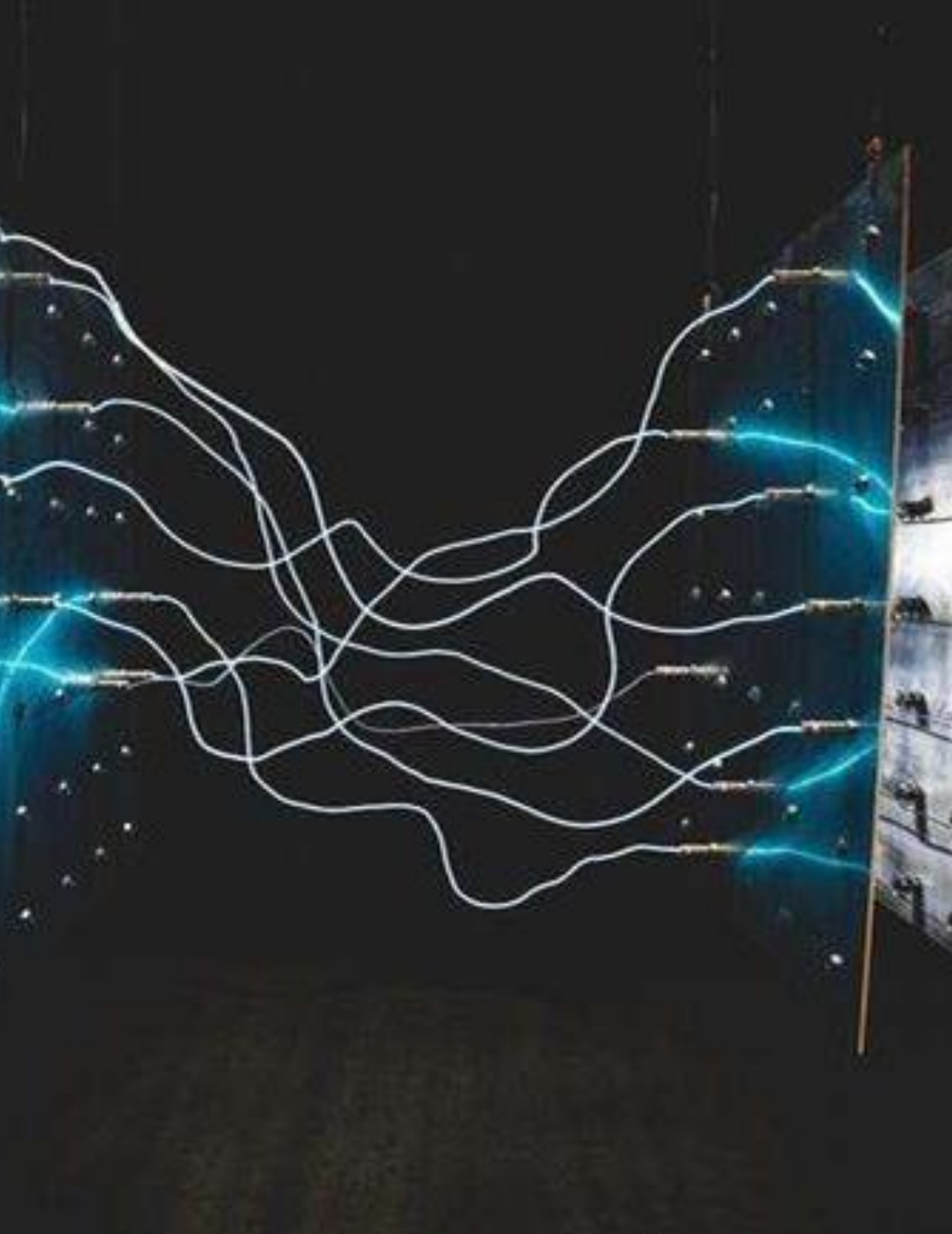
11-50 People



Rafa Terradas, Mohamed
Saad, Jordi Aibar



Safe, Efficient and Adaptable
Wireless Power Transfer



What do we do?

Since 2018, we design and develop a **energy transfer** technology through **resonant** magnetic coupling for multiple sectors:



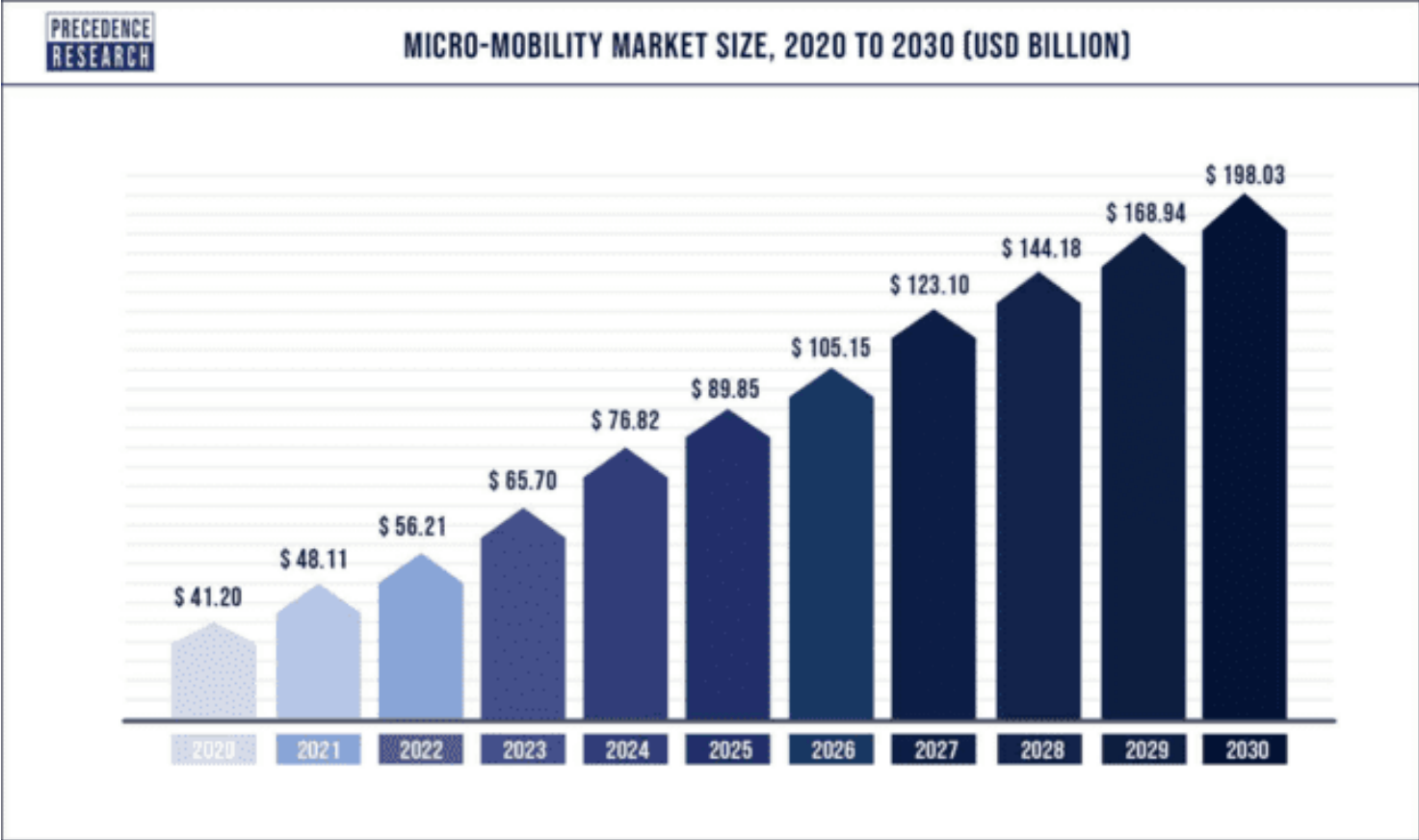
E-Mobility,
Drones &
robotics

Smart
Home.
Consumer
Electronics





Micro mobility vehicles demand is continuously growing



In **Europe shared e-scooter trips** has multiplied 17 times, from 14 million in 2021 to over **240 million in 2022**.

The total number of **e-bike trips in 2022** stood at more than **28 million**.





The use of **charging stations** is a must in cities

Free-floating solution causes a **bad usage of public space**.
End of free-floating in Paris, example.

For operators, it costs **€0.03** to charge one docked scooter, versus **€2-6** for free-floating scooters.



Exposed charging docked solutions for electric bikes and electric scooters, have multiple challenges that **increase maintenance and risk of incidents with the users and the station.**

The future of EV's charging is **wireless & contactless**



Invisible

No cables or physical connections between the vehicle and charging station, which **simplifies the charging process and reduces connection incidents.**



Universal & Affordable

Allows for vehicle flexibility in charging station placement and **reduces the need for extensive and costly infrastructure:** cabled, battery swap...



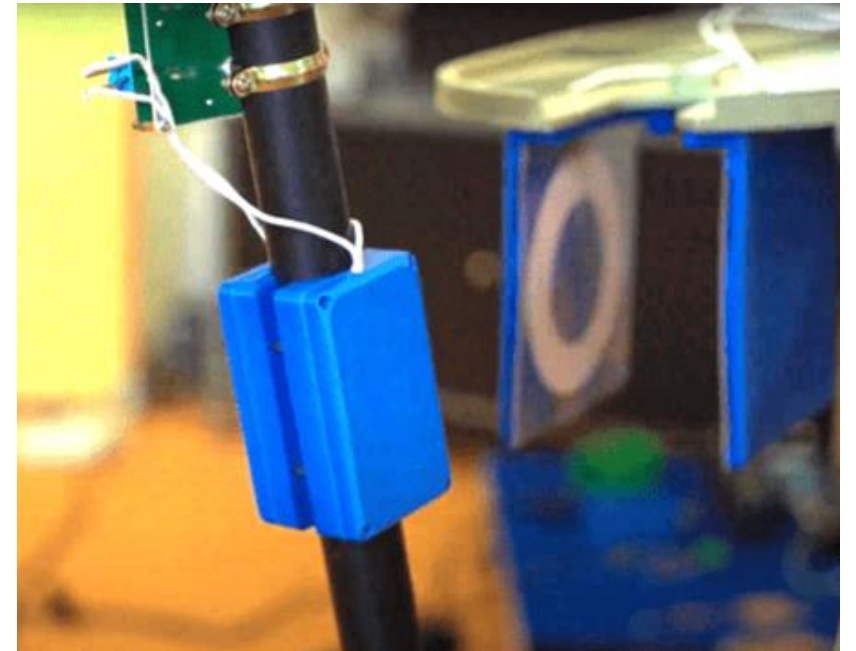
Safer & Durable

Offers a safer charging experience, as there is no direct contact with electrical conductors and **no risk of electric shock or deterioration.**



High efficient

Achieving more than **85% of performance**, the charging time is almost equal to the cable. Capable of fast charging.



Prototype and future product for particulars

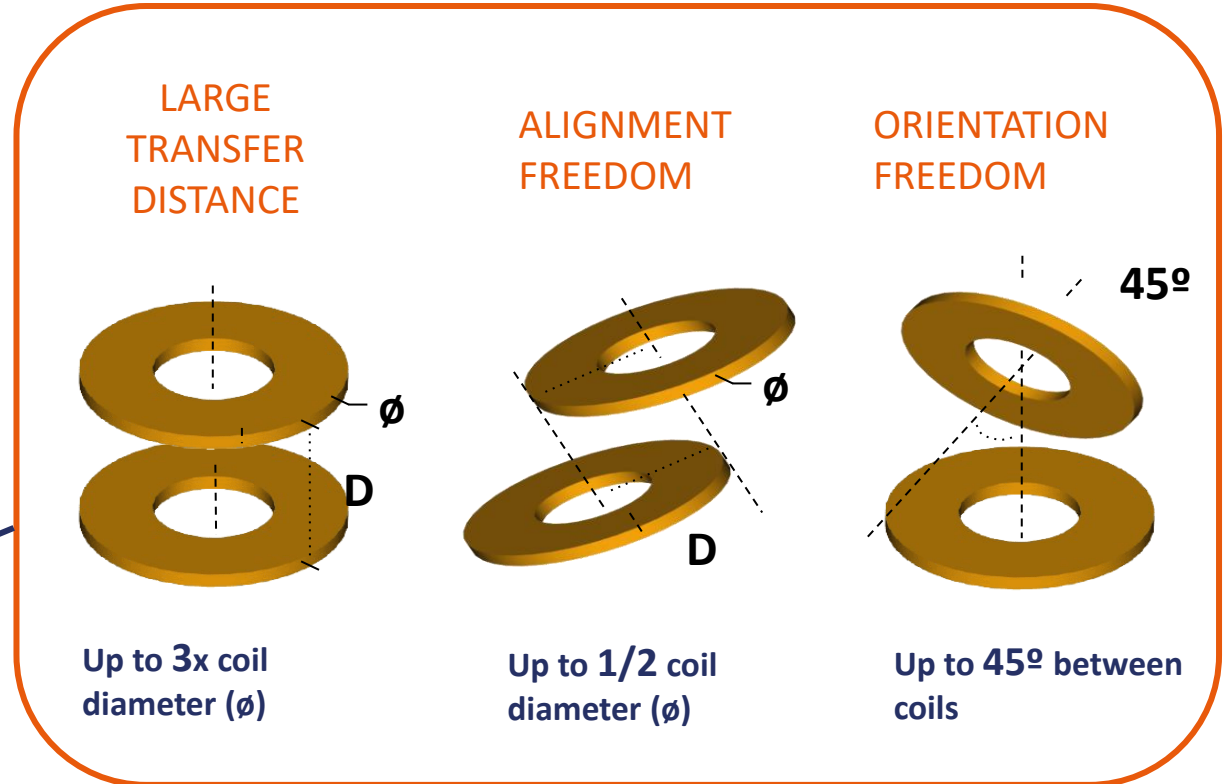




Magnetika's patented technology overcomes traditional wireless charging solutions

- Scalable in power; from IoT devices to EV
- > 85% of energy efficiency (x2 RF)
- Safe for human beings
- Freedom of move

Based in magnetic resonance technology



Innovative auto-tuning system which **improves performance** and reduces the size of electronics.
Patented in EU and pending in US



Business model focused on licensing to scale rapidly



1. Adaptation to station/vehicle

Tailored development for manufacturers or operators who want to integrate wireless charging.



2. Licensing

Licensing the technology to these companies, with manufacturing and scaling capabilities, with a revenue share for each charger installed.



- ❖ Station manufacturers
- ❖ Vehicle manufacturers
- ❖ Sharing Fleet operator

The ones that participate in city tenders for micromobility services



Next Steps

1. Pilot in city



Looking for Open to deploy a charging solution in a city as a pilot

2. Connection with current operators/providers



To develop and integrate in current cities or participate in EU funded project

3. Private Investment



Private investment for scaling the technology worldwide and to higher power EVs (cars)



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