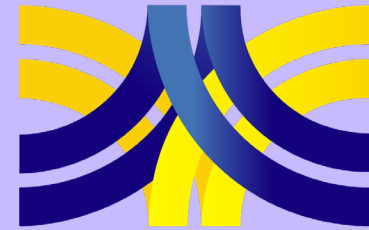


49th ASECAP DAYS

*Decarbonizing Road Infrastructure : Challenges,
Perspectives and Actions in Tough Economy*

ASECAP DAYS



BRUSSELS 2022



Hotel Marriott Grand Place, Brussels
24 – 25 November 2022

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ELECTRIC MOBILITY

Brisa's motorways end-to-end electrification

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Growth trend of electric vehicles in the national fleet and in Brisa's network



Brisa's need to meet the requirements of all vehicles, including electric, travelling through its motorways



Relevant players in the energy and automotive sector have **plans to develop charging networks in Portugal**

- Reasons for the creation of a e-charging network at Brisa

Largest e-chargers network (long-haul)



- Full BCR network coverage (11 motorways – 1124 km)
- 41 charging zones in long-haul service areas (SA)
- 82 chargers, 2 per location
- Urban service areas (Oeiras, Trofa e Águas Santas) will be addressed in a 2nd phase

- Important contribution for electric mobility in Portugal

Modern network of fast and ultra-fast chargers



- Fast chargers (50kW) & ultra-fast chargers (150 to 350kW).
- Average charging time (50kw battery)
 - Fast – around 1h
 - Ultra-fast – around 7,5 minutes

- Improve customer experience. Comfort & speed

Placed close to Colibri restaurants



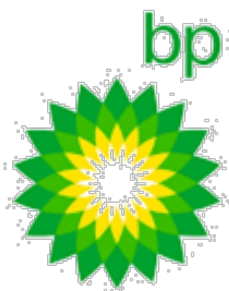
Charging stations are located close to restaurant units. This makes the stop:

- More comfortable
- More convenient
- Safer

- Improve customer experience. Comfort & speed

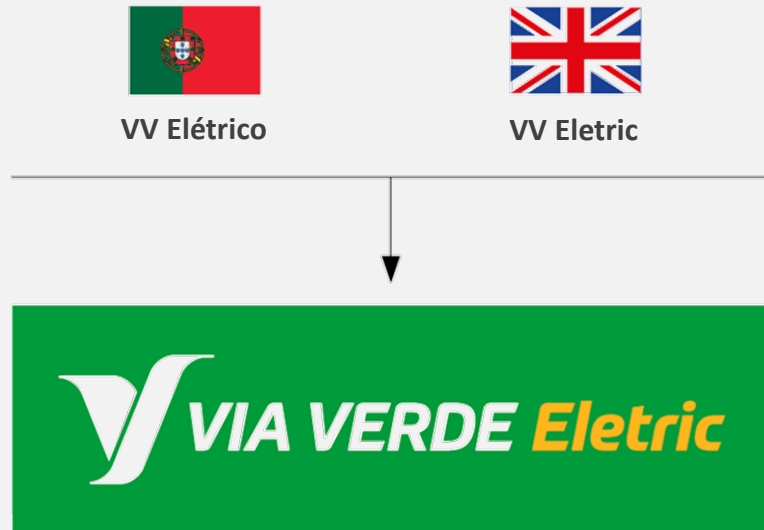
Variety of e-charger operators

Partnership with leading companies in the sector



- Recognized experience in the e-charging environment

Brisa's brand for electric mobility



Creation of a differentiating and unique word - Electric

Simpler

Easy to read

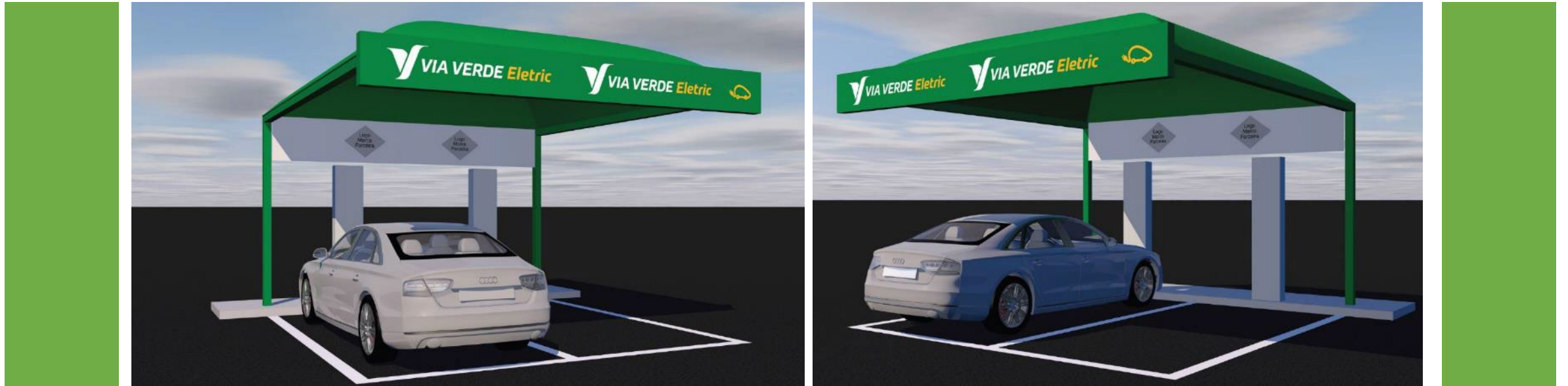
Distinct

More disruptive

Catchy

- Aligned with Via Verde services ecosystem (mobility & B2C)

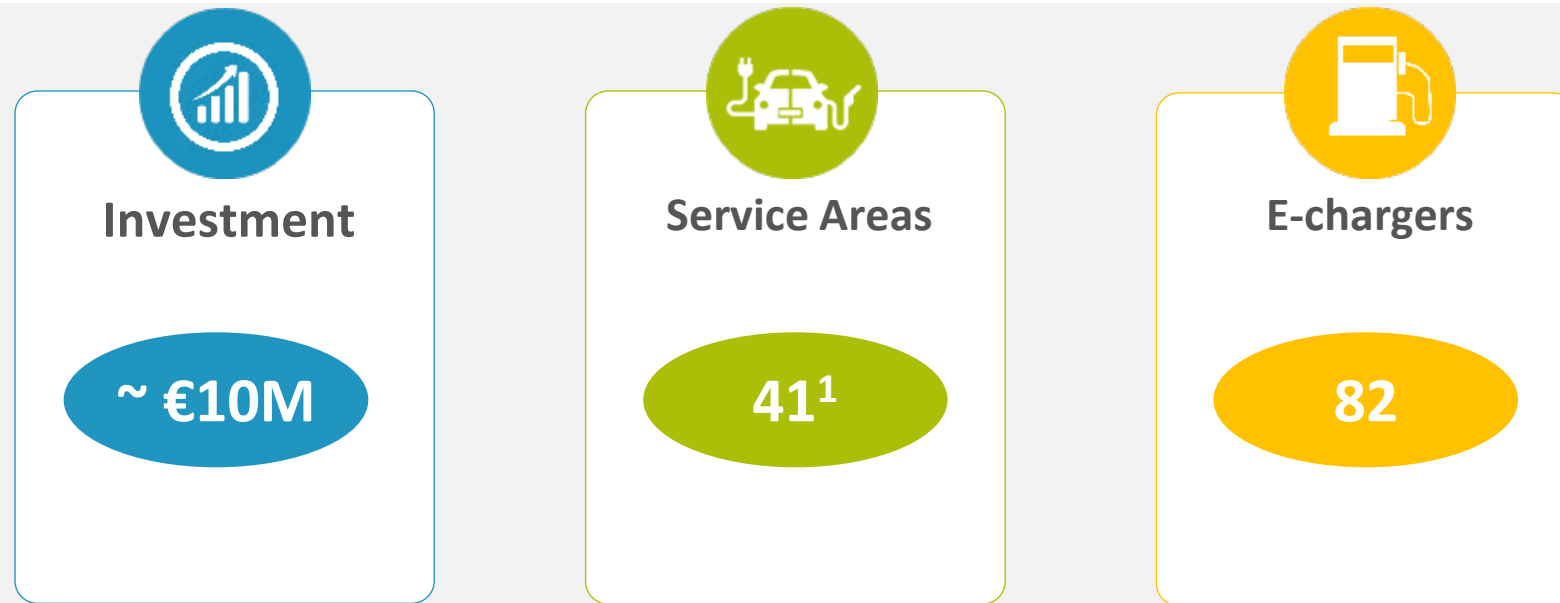
Umbrella brand in coexistence with all partners



- Improve customer experience. Consistency and excellence

Project “Big Numbers”

National e-charging network

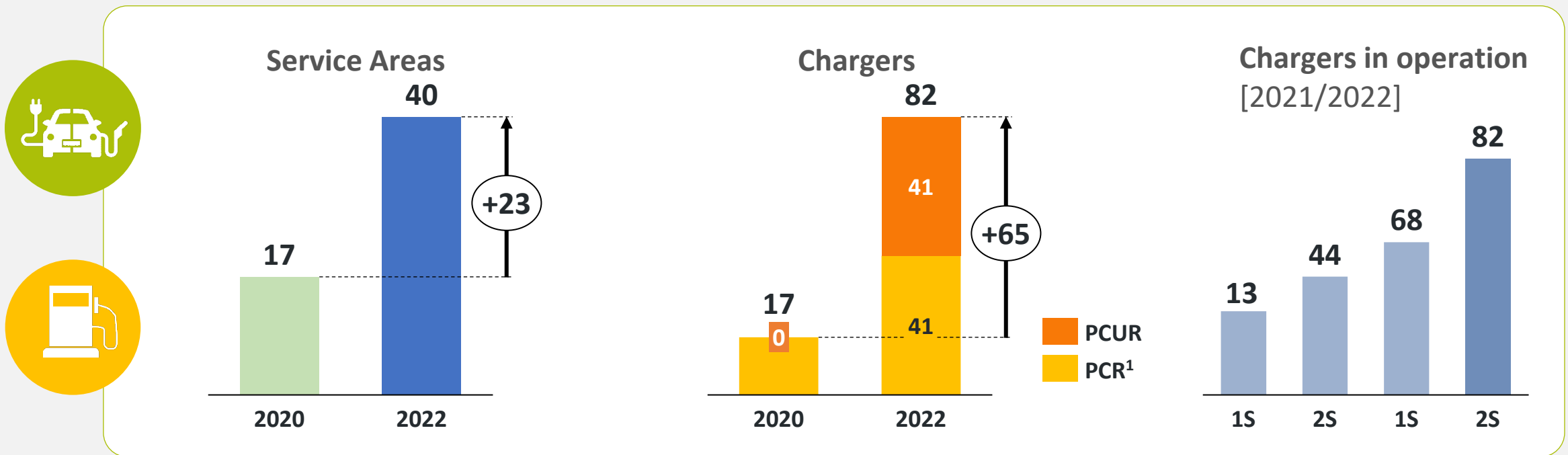


¹ Does not include urban service areas (Oeiras, Águas Santas e Coronado-Trofa) which projects are in development

- Significant investment of the partnerships

Increase the offer and capillarity

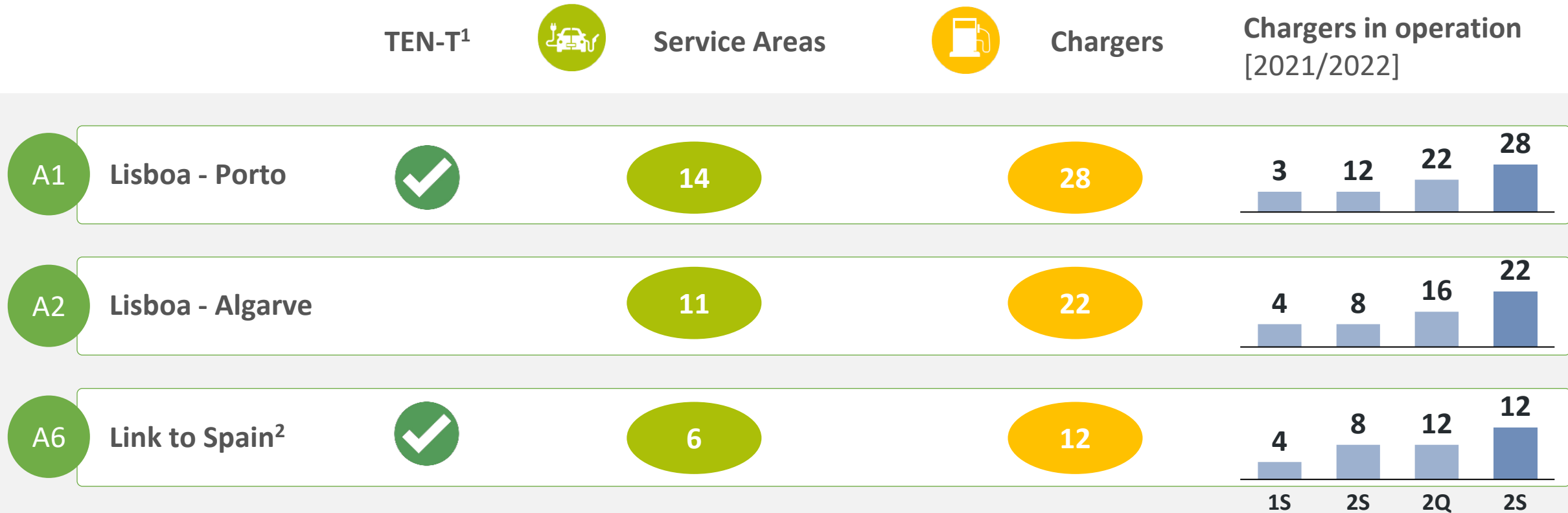
Service areas and chargers



¹ Includes PCR e PCN (7un PCN, complemented by PCR in Montemor, Montijo, Salvaterra and Palmela NS SA's)

- Significant improvement in service quality, effective in summer

Main motorways



¹ Trans-European Transport Network (TEN-T) ² Through Badajoz

- 3 main motorways, represent almost 80% of service areas

➤ Simple and digital solution for access and payment of the chargers

- Digital-based access & payment of electric charging
- Seamless and transparent
- Contributor for EV charging ecosystem expansion
- Launched in September 2021



24%

of public charging network have used it already

>2M

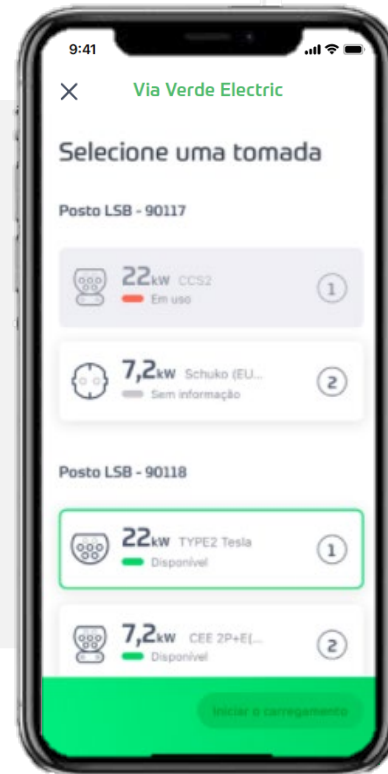
Downloads of Via Verde APP aiming to facilitate the mobility journey

Goal to be a key facilitator of the electric car journey experience

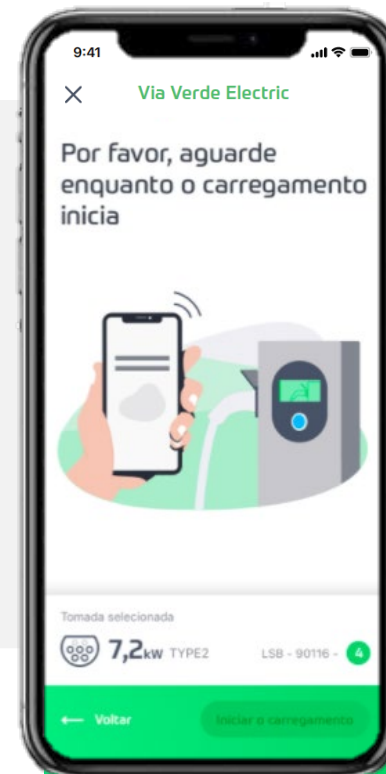
Service in place with major functionalities



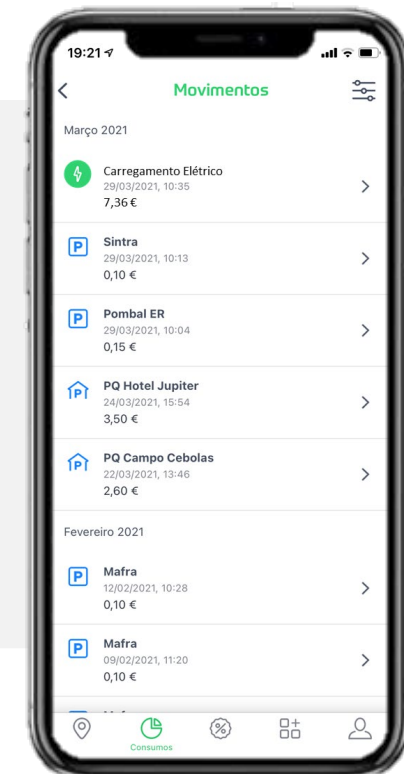
Public Chargers
Location



Chargers and Plugs
Information



Service
activation and
deactivation

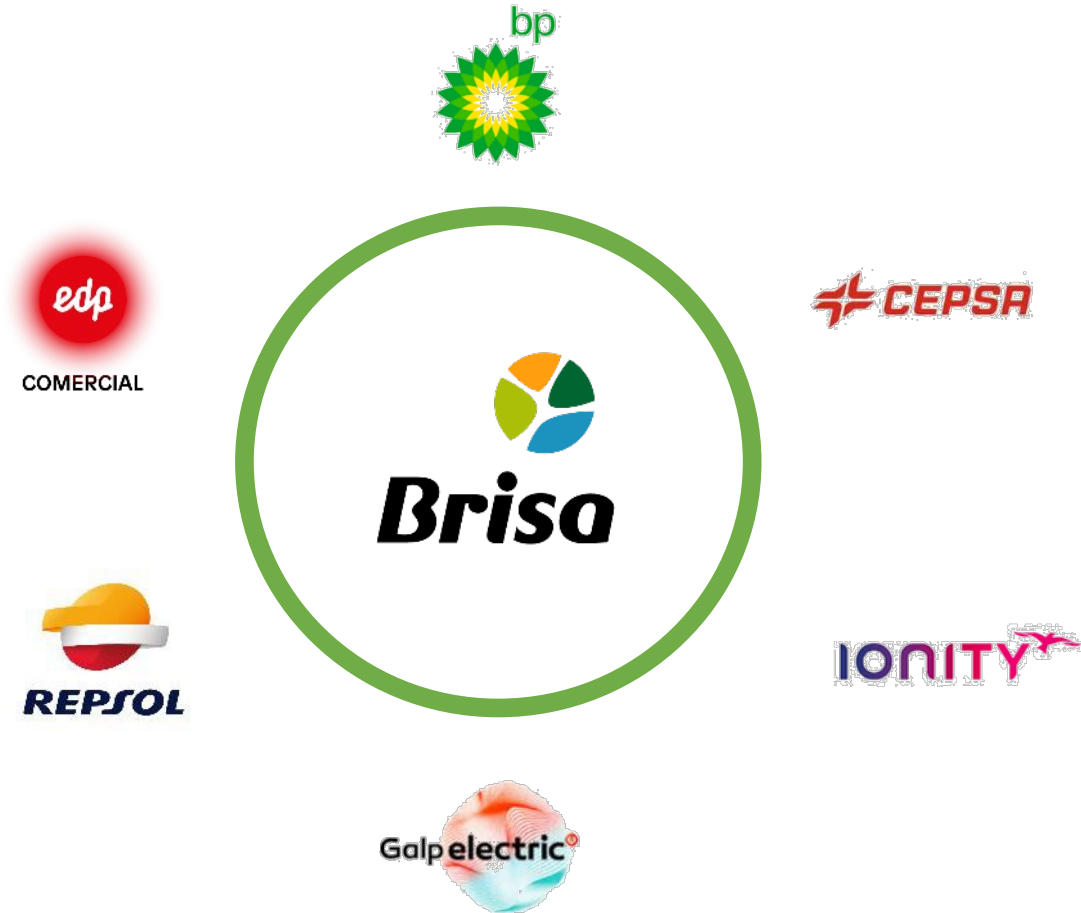


Transactions
History

- Working in educating and eliminating usage pain-points

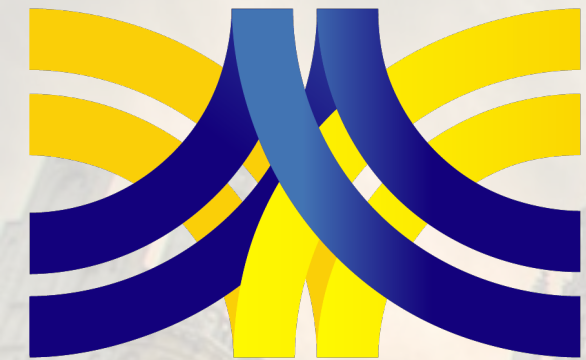
IONITY/CEPSA Leiria E-charging station





- Good example of a collaborative project

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**THANK YOU FOR
YOUR ATTENTION**

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Brisa