



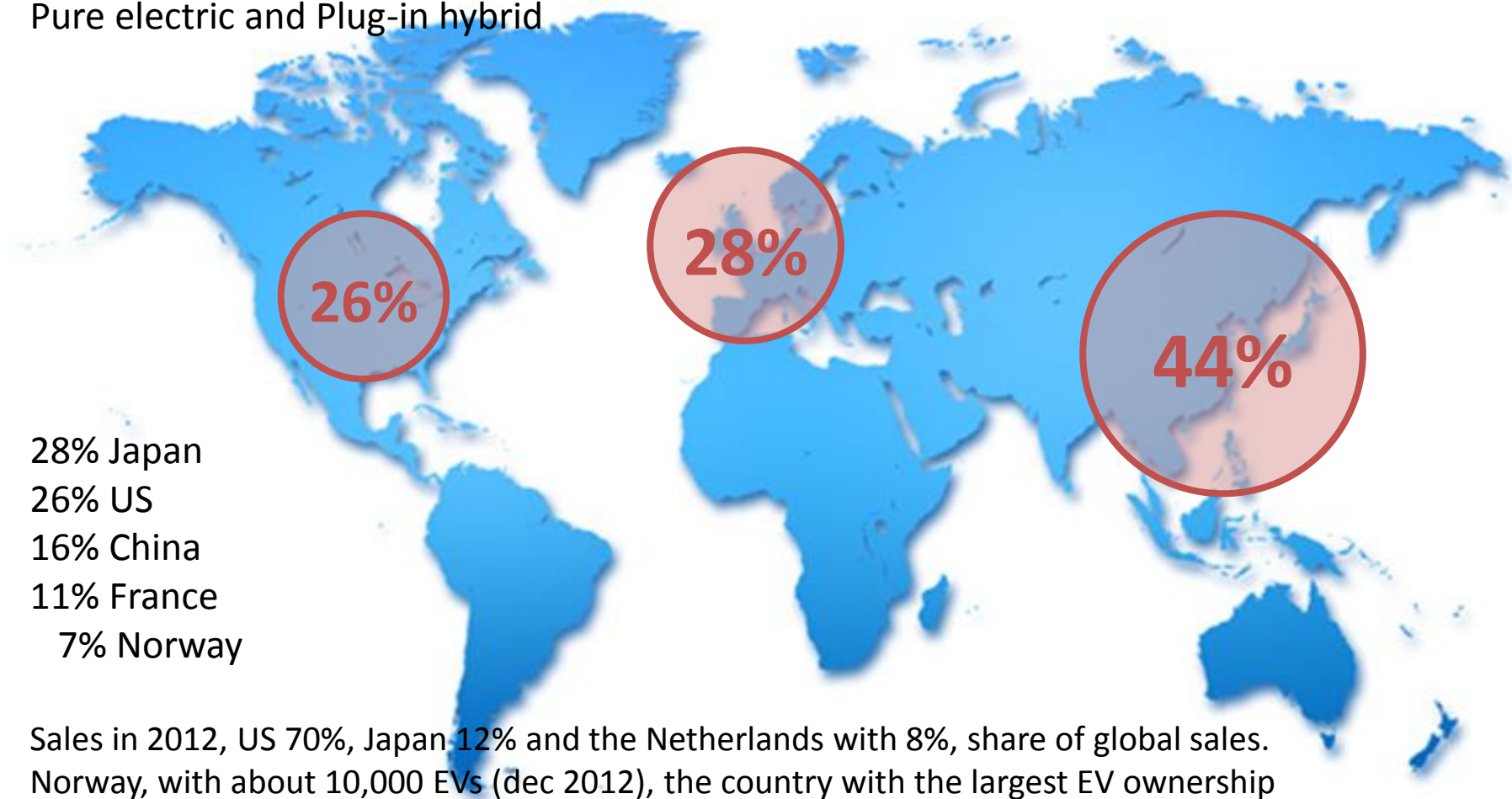


MAGNUM CAP
ELECTRICAL POWER SOLUTIONS

WORLDWIDE ELECTRIC VEHICLE STOCK IN 2012

180.000 UNITS

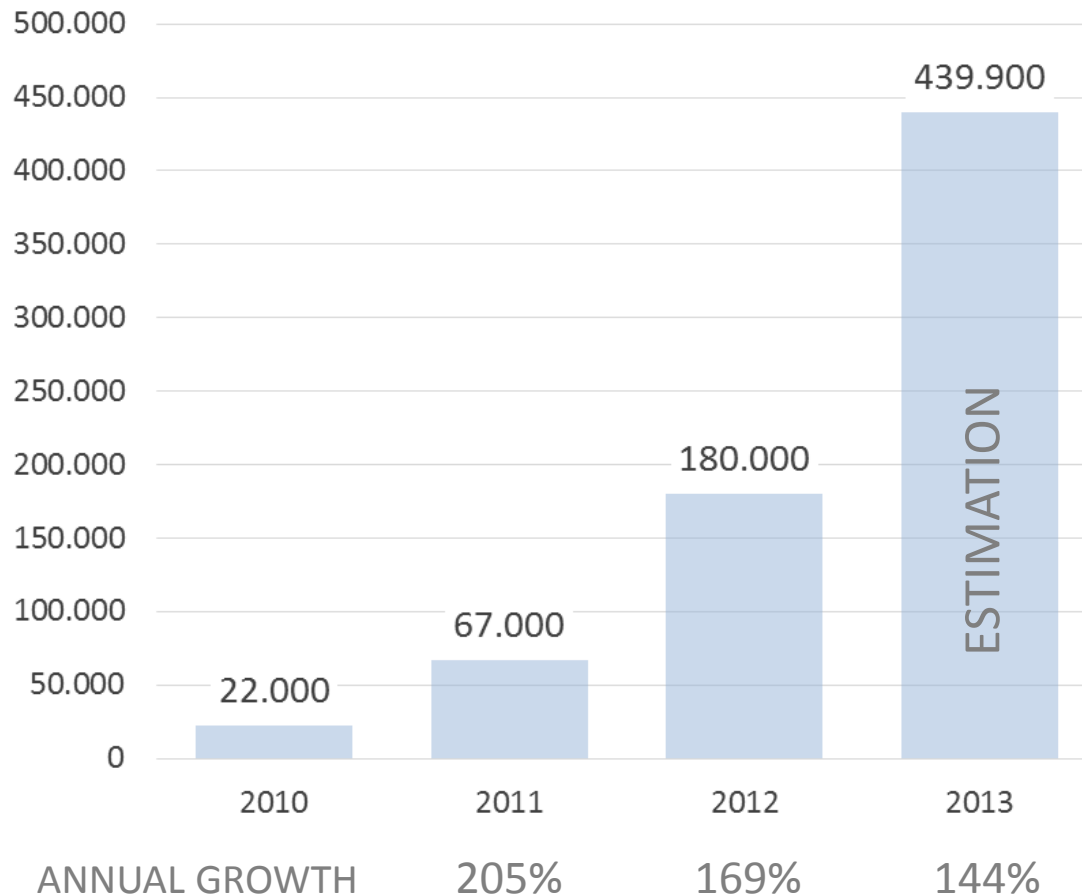
Pure electric and Plug-in hybrid



Sales in 2012, US 70%, Japan 12% and the Netherlands with 8%, share of global sales. Norway, with about 10,000 EVs (dec 2012), the country with the largest EV ownership per capita in the world, EV sales in 2012 represented a 3.1% market share of passenger car sales.

WORLD EV/PHEV STOCK

HISTORICAL FIGURES



NEW SALES

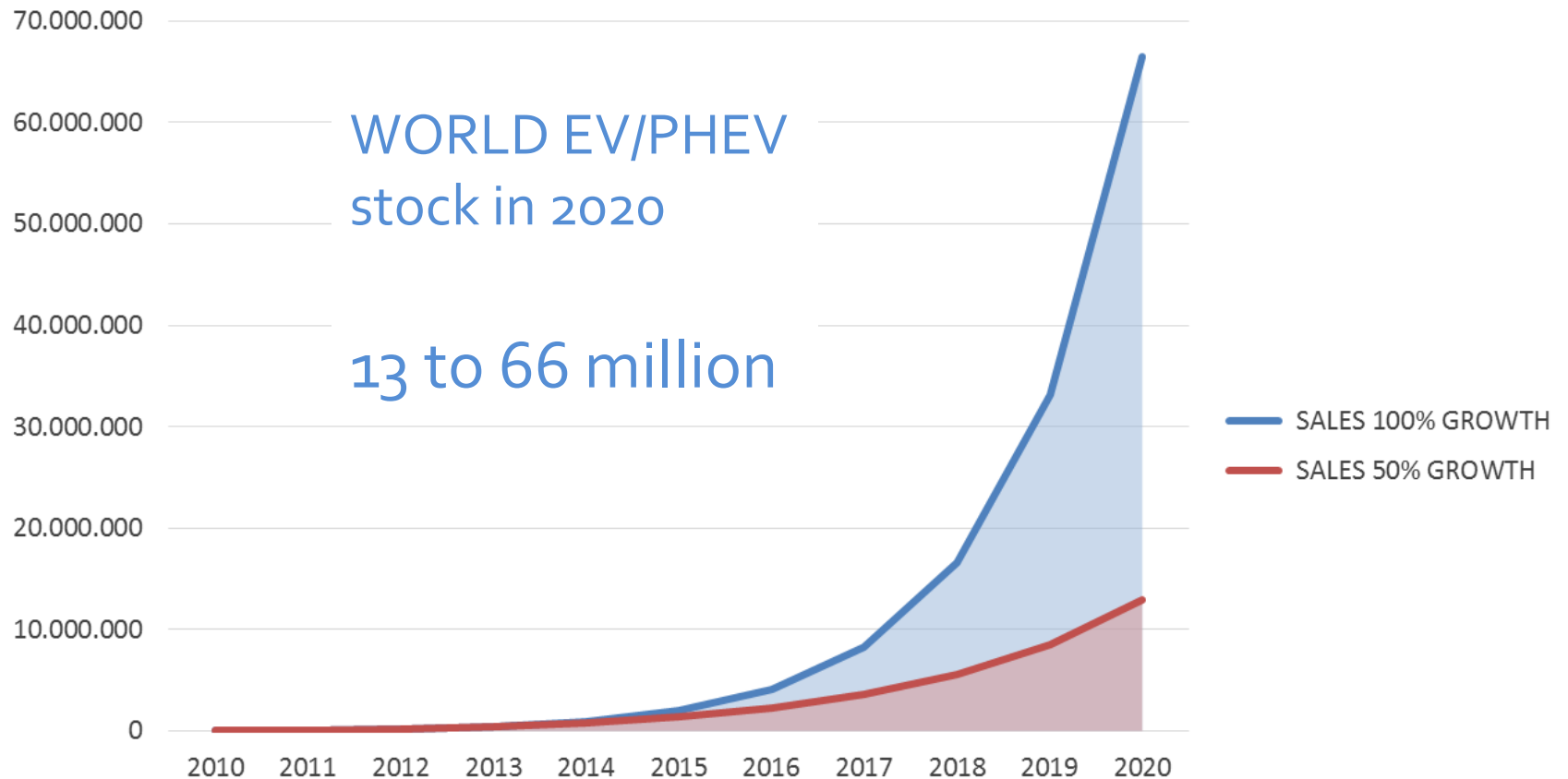
2011 - 45.000, 105%

2012 - 113.000, 151%

2013 - 259.900, 130%

WORLD EV/PHEV STOCK

A SIMPLE SIMULATION



IN SEPTEMBER 12.168 NEW CARS WERE SOLD IN NORWAY THE BEST SELLER WAS AN ELECTRIC CAR TESLA MODEL S



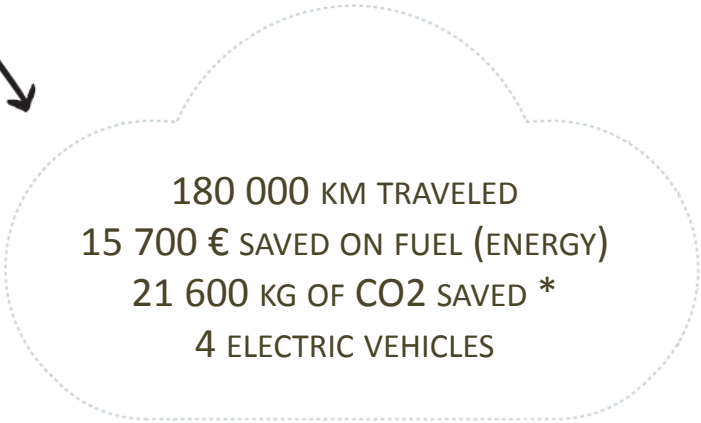
0,60€

What do you prefer, an espresso or
drive 25 km on a nice electric vehicle?

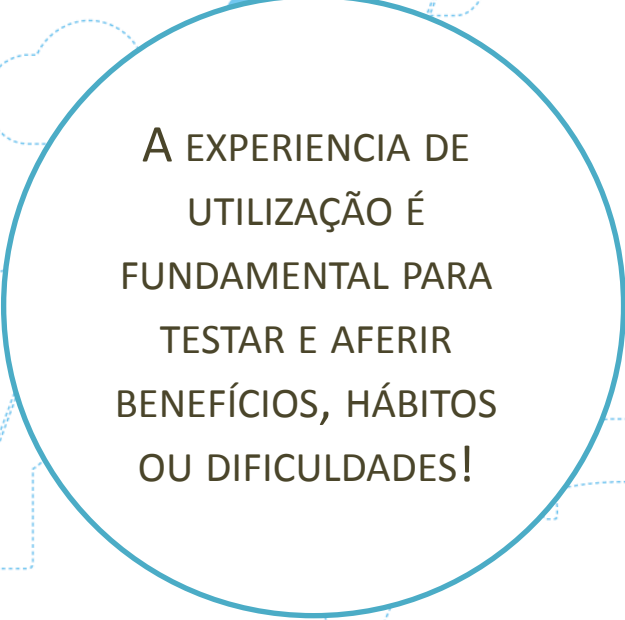


ELECTRIC MOBILITY AT MAGNUM CAP

SEPTEMBER 2013 SNAPSHOT - 180 000 KM REACHED ON ELECTRIC VEHICLES



180 000 KM TRAVELED
15 700 € SAVED ON FUEL (ENERGY)
21 600 KG OF CO2 SAVED *
4 ELECTRIC VEHICLES



A EXPERIENCIA DE
UTILIZAÇÃO É
FUNDAMENTAL PARA
TESTAR E AFERIR
BENEFÍCIOS, HÁBITOS
OU DIFICULDADES!



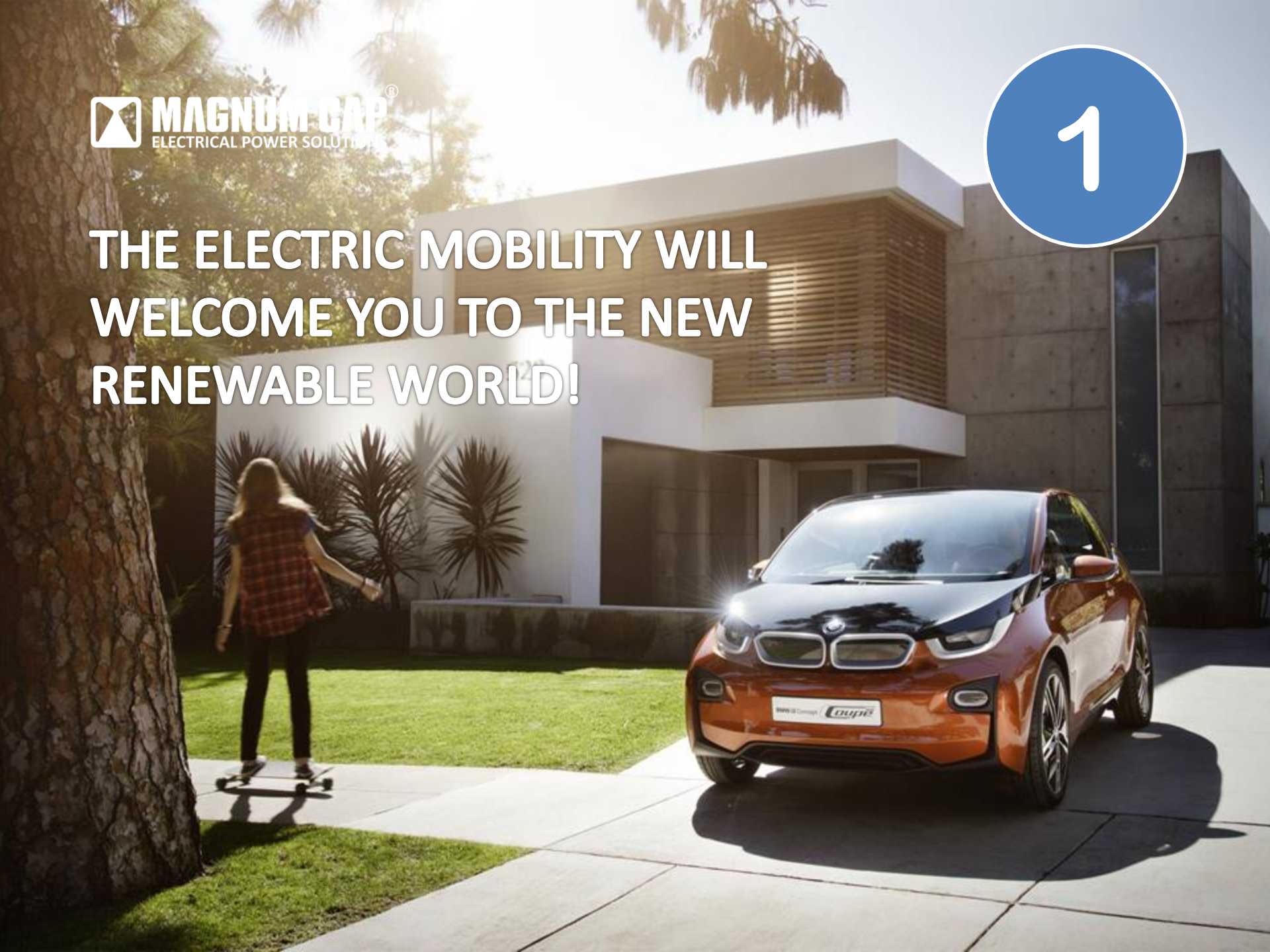
180.000 km



QUE OPORTUNIDADES PODERÃO EMERGIR ASSOCIADAS AO DESENVOLVIMENTO DA MOBILIDADE ELÉTRICA?



THE ELECTRIC MOBILITY WILL
WELCOME YOU TO THE NEW
RENEWABLE WORLD!



2

IT IS ALSO THE ONLY WAY TO
DEFINITELY USE RENEWABLES
IN TRANSPORTS

ELECTRIC MOBILITY WILL ALLOW FOR THE BORN OF NEW PLAYERS AND SECTOR TRANSFORMATION

3



4

**WILL ALLOW FOR MORE
EFFICIENCY AND BETTER
PERFORMANCES**

WILL ALLOW NEW MOBILITY CONCEPTS MORE ADAPTED TO PEOPLE NEEDS

5

6

NEW BUSINESS MODELS CAR AS A SERVICE



7

VEHICLE SHARING

8

SIGNIFICANT REDUCTION OF THE EXTERNAL ENERGETIC DEPENDENCE



9

DEVELOPMENT OF PUBLIC SMART CHARGING INFRASTRUCTURES

10

I LIVE HERE
HELP ME

DEVELOPMENT OF SMART CHARGING INFRASTRUCTURES ON PRIVATE SPACES

**PRICE
ORIGIN
LOCAL AVAILABLE POWER
WHEN MORE CONVENIENT TO
THE USER**

**WHEN TO
CHARGE
?**

11

A white Citroën car is parked at a charging station. The car is connected to a charging cable. In the background, there is a brick building and a parking sign. A blue circle with the number 12 is in the top right corner.

12

80% of time is parked

GRID STABILITY

V2G, V2

 **MAGNUM CAP**[®]
ELECTRICAL POWER SOLUTIONS

MAGNUM CAP

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