



presents



# NEED

## ENERGY ON DEMAND

THE GAME CHANGER

*A Range Anxiety solution to further push electric vehicles*



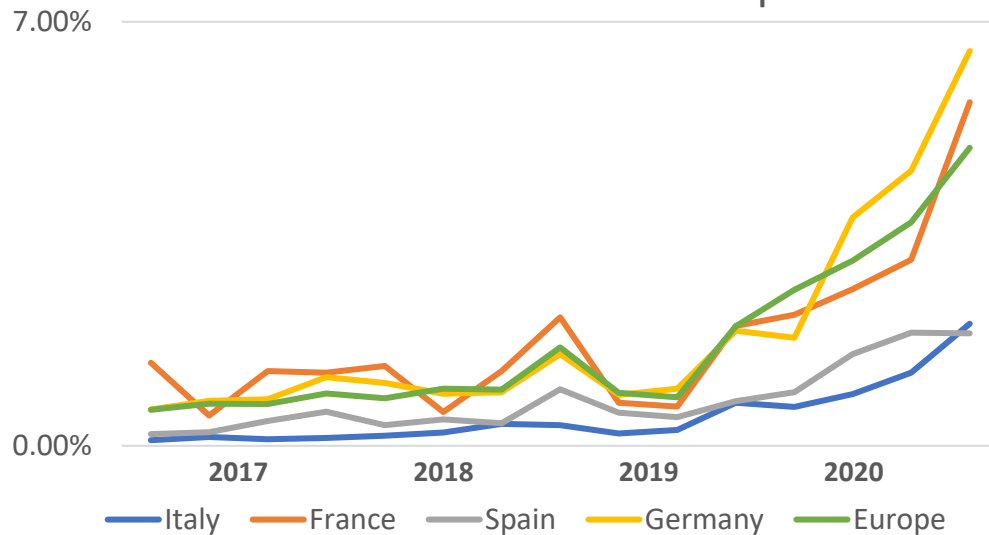
# What is Range Anxiety



100% Electric Vehicles

Green | Home recharging

Share of BEV sales in Europe



## Range Anxiety



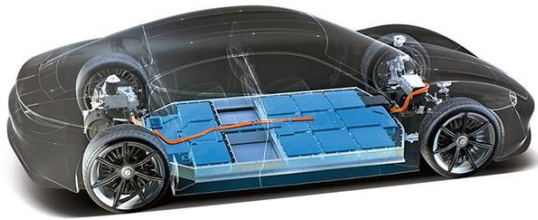
- E-driver's anxiety to *discharge excessively* the battery
- Worries that *BEV cannot entirely replace ICEV* for all the usages



Still contains e-vehicles diffusion

# Source of Range Anxiety

## BATTERY



Heavy

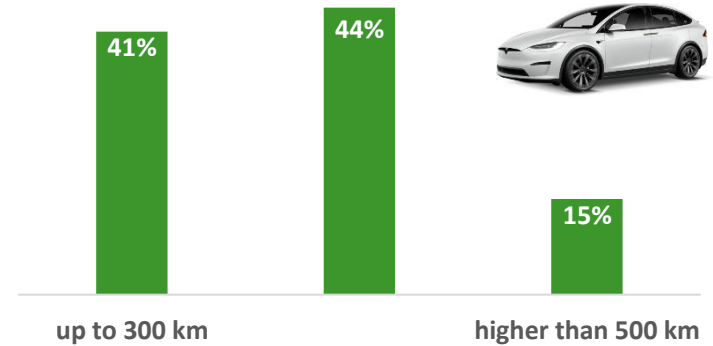


Expensive

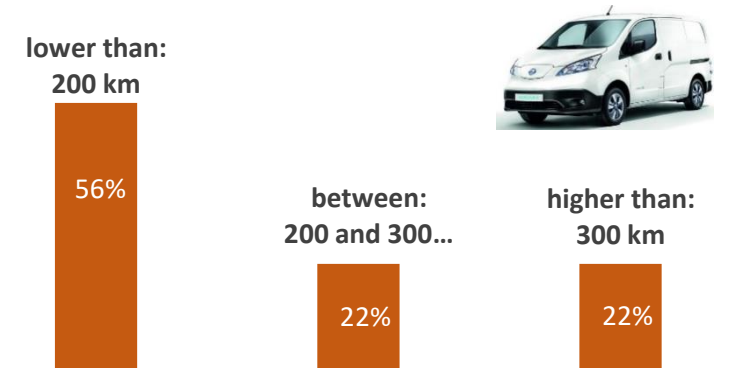


IDEAL CONDITIONS

e-cars



e-vans



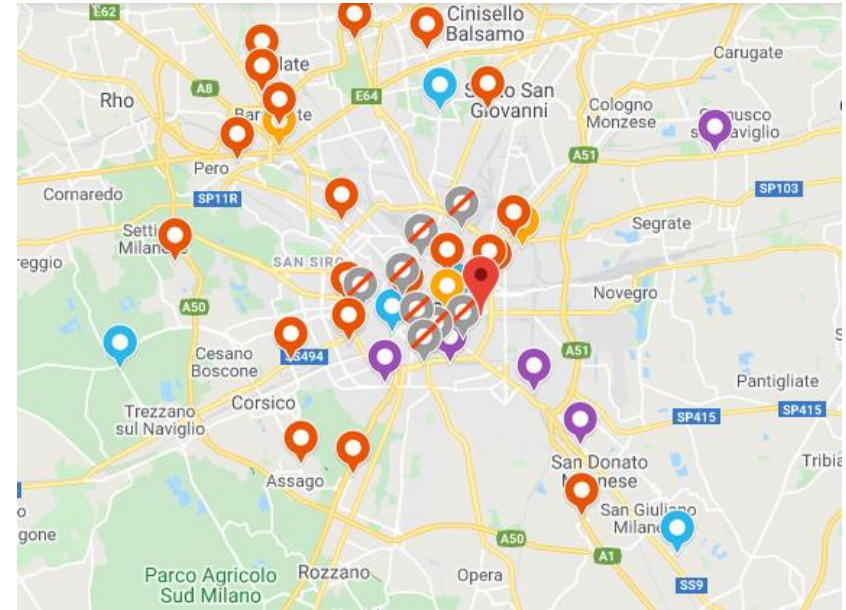
# What Range Anxiety means in **practical** terms



**300 km**

- With intermediate stops
- Roundtrip

**Searching for a DC fast-charging station**



DC fast-charging stations are just the

**4%**

Of the total number of infrastructures

# On using modern charging infrastructures, we must consider:

1

The risk to find the desired charging station not available



2

Time required for charging



3

Going back to the e-vehicle to free the BEV charging column once charging is over



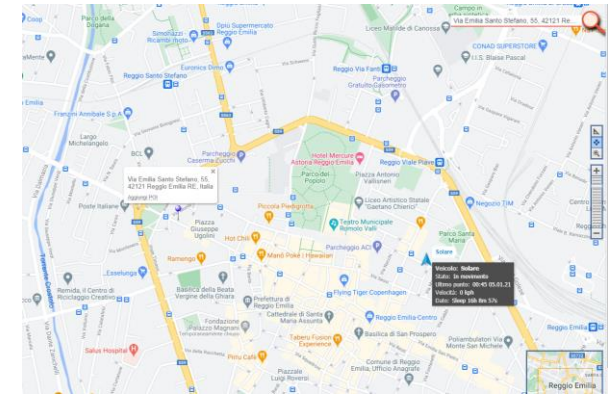
The charging process, for how it is nowadays, is a huge investment in terms of Time

# Our project: New Energy on Demand



**Mobile App**, through the user can:

- **send position** of the vehicle
- **reserve** a mobile energy station
- **control** charging volume and user data
- consult the **billing section** implemented



Mobile energy station



Battery electric vehicle



# Our project: New Energy on Demand



Time required for charging:  
**30 min per 100 km**  
thanks to DC fast charging



Not any risk to find the desired charging column occupied



Not any need to return back to the vehicle just to free the charging station



# NEOD Energy sources



## Circular fuel

- 100% circular, obtainable from organic matter
- Produce useful power using a **regenerated internal combustion engine**
- Decrease by 95% CO<sub>2</sub> well-to-wheel emissions compared to fossil fuels
- **Already available**



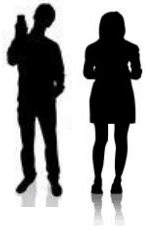
## Energy vector of the future

- 100% sustainable
- **Fuel Cell** compatibility for higher efficiency and low sound emission
- Zero emission energy vector
- **Commercially available in the future**



# NEOD can be an opportunity for

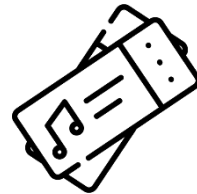
## e-drivers



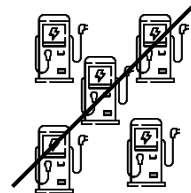
- Comfortable service for e-drivers
- Potential **Range Anxiety solution**



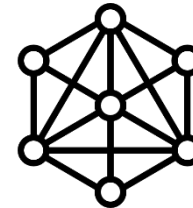
## Organization of great events



- Rent for the event period a NEOD Energy Station
- Not installing expensive fast-charge columns



## Charging infrastructure



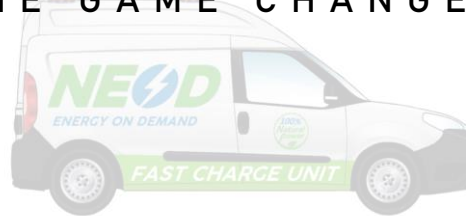
- Promote installation of inexpensive Wallbox
- **More democratic** EV charge distribution





# NEOD

THE GAME CHANGER



# THANK YOU

