# **Development of fastcharges in CEF**

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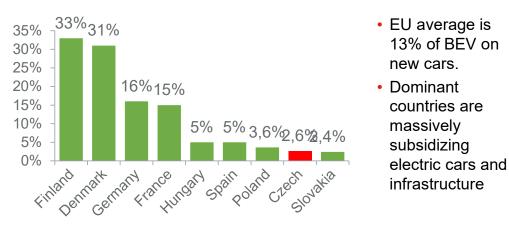
# Assessment of investment – market outlook (1/3)



## **Electric cars market trends**

Share of BEV on new sales 2023

EU



# YoY change - new sales 54%

60%

- 40% 28% 20% - 16% 17% 0% - -2% -20% - 28% -2% BEV • other
- Market growth is driven by electric cars and at the other hand sales of naphtha cars are declining YoY



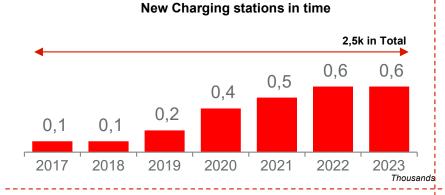
# BEV sales development ~230 000 18k Total base 387 703 756 3 2662 6903 940<sup>5</sup> 900 2017 2018 2019 2020 2021 2022 2023 2030 2035 370k 1,3 mil Total base Total base

- There is 50% YoY growth on electric cars sales but on absolute numbers we are at the beginning of Czech market change
- Although there are not state subsidy on cars, there is hard stop in 2035 when any combustion car can be sold
- So we will face to massive change in Czech market car fleet and linked customer behavior

#### 2030 – McK 2035 – based on CZ total sales (260k)



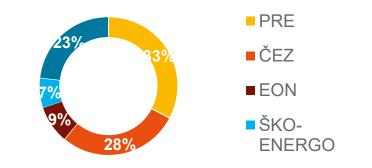
### **Chargers situation in Czech Republic**



#### High speed chargers (150+ kW)



Charging stations by operator



- There is 2,5 ths chargers in Czech in 2023 compare to 20 ths BEV cars
- Majority run by PRE and ČEZ
- But high speed chargers represent just 2,5% from all (51) and are mostly located in Prague. DC only chargers are 70.

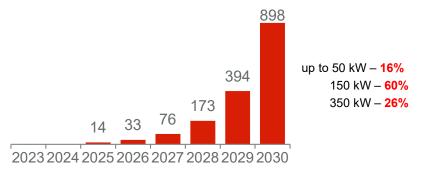
Source: Centrum dopravního výzkumu 8/2023



## Both global and local strategies are targeting massive e-chargers growth



Target (# chargers)



1 charger = 2 charging points we plan 2 chargers per locality in average







Orlen strategy for sustainable business is to became until 2030 one of the main players in electric mobility field

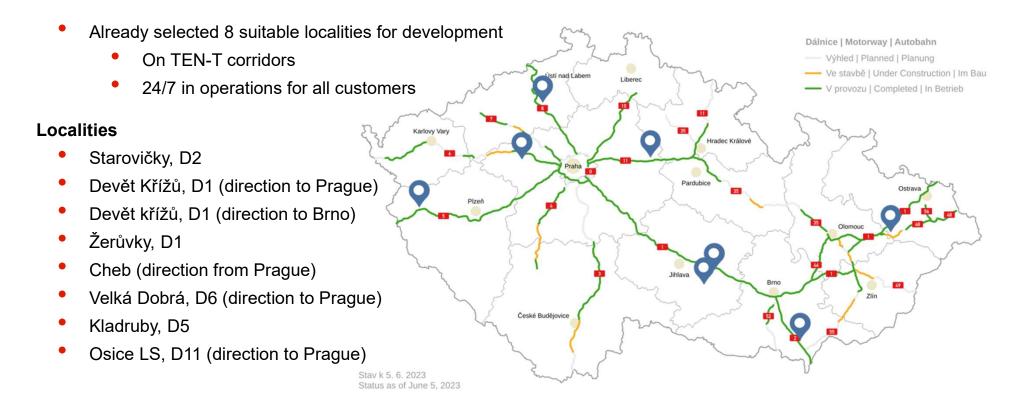
- Between 2018 and 2023, Orlen is allowing the operation of 93 stations with a total of 267 charging points at its service stations.
- Currently, these are stations of other operators.
- By 2026, the company will take over at least 22 stations for its own operation, while building several more.
- By 2030, Orlen plans to operate over 898 charging points at its stations across the Czech Republic and with connections to corridors in Poland and other neighbouring countries.
- In addition, it will build its own robust and complete IT platform for emobility management, including connections to roaming platforms.



### Introduction

# Orlen strategy for sustainable business is to become until 2030 one of the main players in electric mobility field

• Main objective of this first "pilot" project is to implement a network of publicly accessible recharging stations for *light duty electric vehicles* 

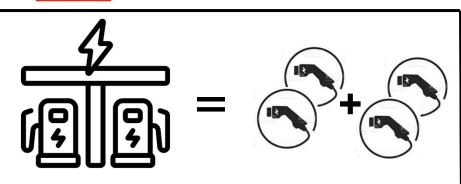




# State of play

- Feasibility study for all 8 localities DONE
- Each locality consist of:
  - 2 charging stations 300 kW
  - 4 charging points 150 kW
  - 4 parking spots for electric cars
- In Total 32 fast charging points -150 kW
- CEF2 subsidy 1,2 mil EUR
  - Should cover up to 50% of investment cost
- Tendering supplier for project documentation to obtain building permit
- IT solution in preparation but as a separate project

ORLEN Ultra fast charging HUB





# Thank you

Upozornění: Informace obsažené v této prezentaci jsou určeny výhradně oprávněným příjemcům a mohou obsahovat důvěrné informace, popř. mohou být předmětem obchodního tajemství. Neoprávněné prohlížení, šíření, úpravy, zpřístupnění jejího obsahu nebo jiný neoprávněný způsob užití jsou zakázány. Pokud jste obdržel(a) tuto prezentaci omylem, informujte o tom prosím okamžitě odesílatele a tuto prezentaci zničte/vymažte ze systému. Děkujeme.