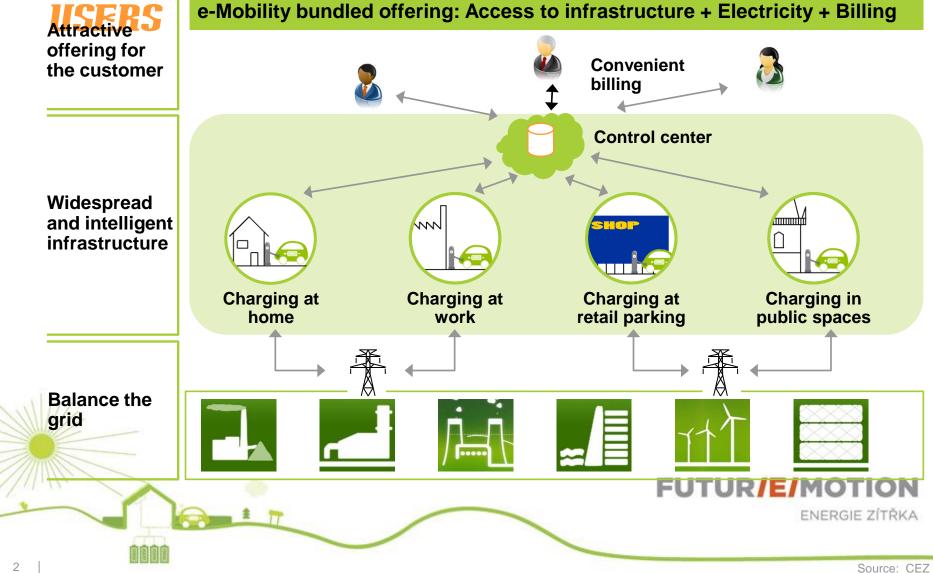
E-MOBILITY: INTRODUCTION

PRAGUE, APRIL 27TH, 2010

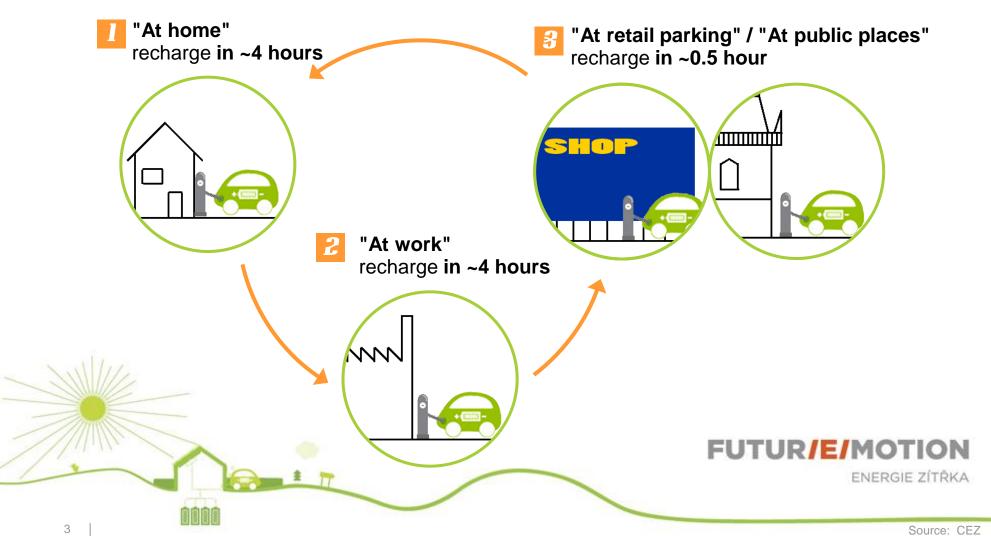


WHAT IS E-MOBILITY? - E-MOBILITY IS THE SERVICING OF ACCESS TO INFRASTRUCTURE, ELECTRICITY AND BILLING TO ELECTRIC VEHICLE



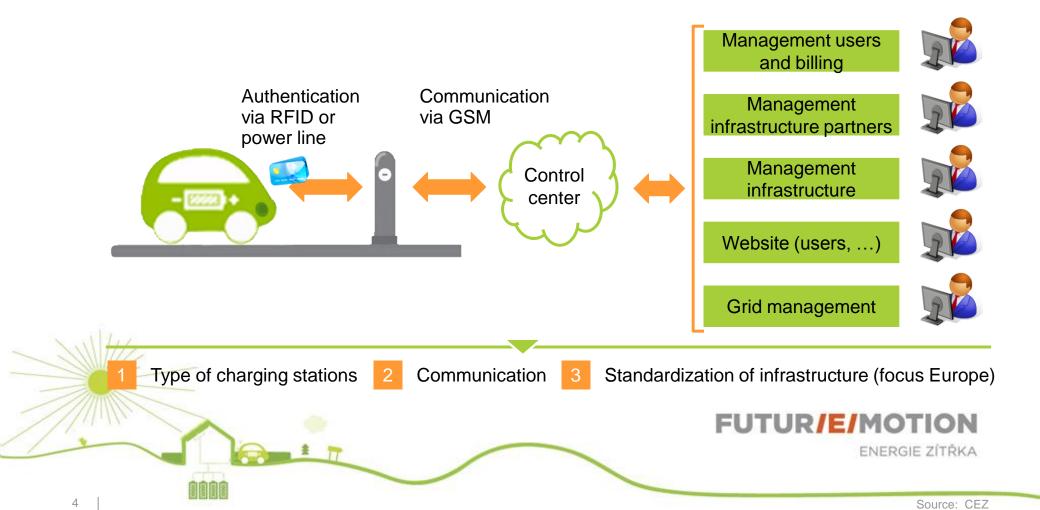
E-MOBILITY CUSTOMERS WILL REQUIRE ALL FOUR TYPES OF CHARGING STATIONS - LOCKING THE MOST ATTRACTIVE RECHARGING LOCATIONS

Use of charging infrastructure by e-Mobility customers, typical day

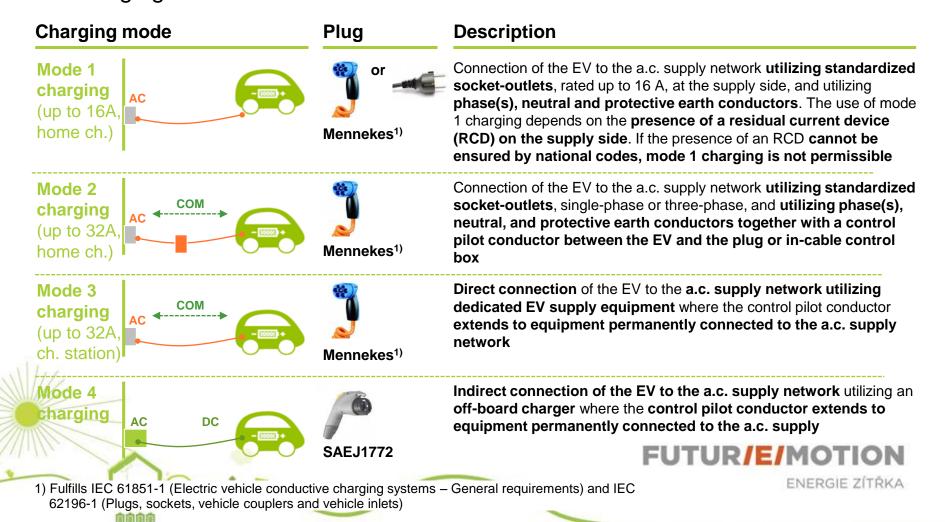


TYPE OF CHARGING STATIONS, COMMUNICATION AND STANDARDIZATION ARE THE CORNERSTONES OF THE INFRASTRUCTURE ARCHITECTURE

Charging infrastructure concept - overview



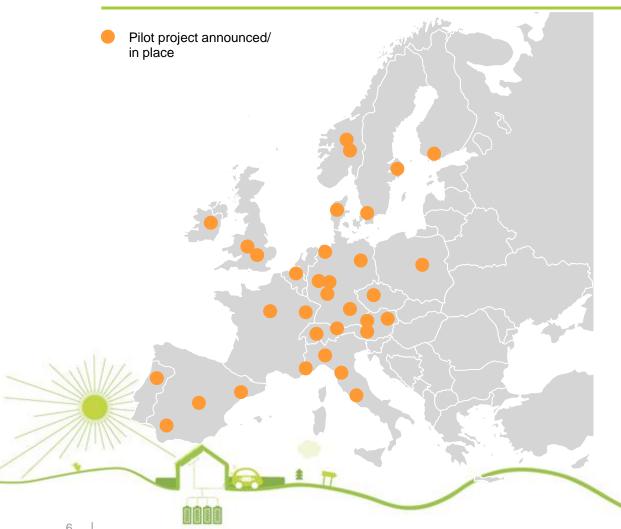
CONVENTIONAL SOCKETS (TYPICALLY "AT HOME") CAN ONLY BE USED FOR THE SLOWEST LEVEL OF CHARGING - SAFETY STANDARDS CAN BE EVCHarging ModesED



Source: CEZ

UTILITIES, IN COOPERATION WITH AUTOMAKERS, HAVE ANNOUNCED MORE THAN 30 PILOT PROJECTS SO FAR- MAIN FOCUS ON WESTERN FURNPE

Overview of selected electric vehicle pilot projects in Europe



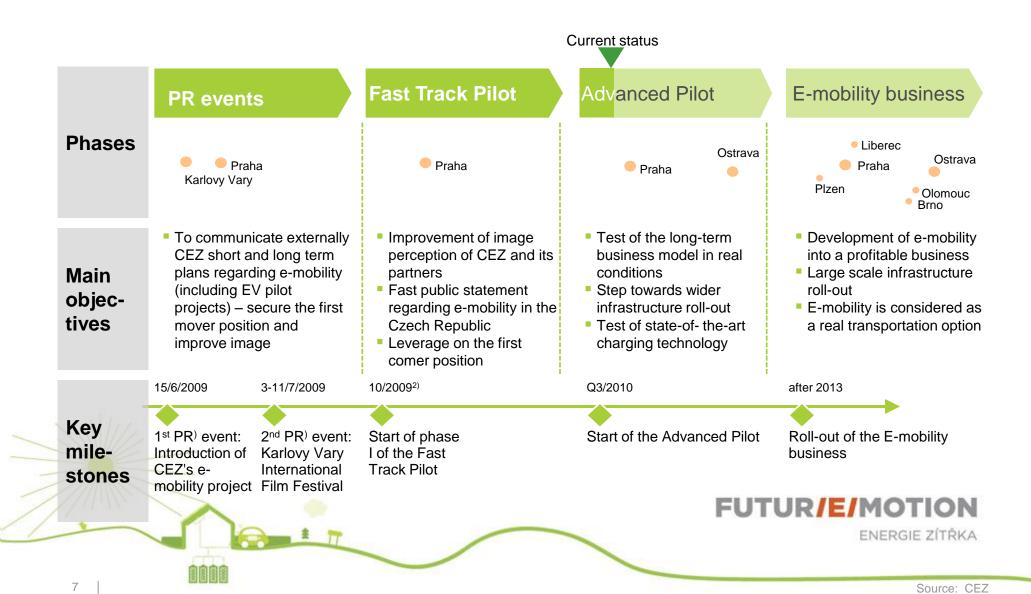
Comments

- More than 30 electric mobility projects have been announced in Europe since 2007
- EdF is one of the pioneers with the start of a pilot project already in 2007 in Paris
- Biggest project announced so far is located in Paris and consists of 4,000 EVs and 1,400 charging stations – Car sharing concept (Autolib)
- RWE has started already pilot projects in more than 8 cities in Germany, Poland and Austria





THE FIRST STEPS OF THE ELECTRIC MOBILITY HAVE BEEN ALREADY ACCOMPLISHED BY CE2







PSA PEUGEOT CITROEN HAS ALREADY BOARD AS AN OEM PARTNER

In 2010, joint advanced pilot aims to bring :

Approx. 100 Peugeot cars
CEZ charging infrastructure

Cooperation for technology standardisation and improvement.

Information campaign to educate the public and potential stakeholders about e-mobility.

Identification of a target group for a market roll-out.

Testing the layout of the charging network with respect to charging station types, geographical location and traffic.







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e-Mobility key data overview

		2020	2030
	Total electric vehicle car park in CR	164 ths	850 ths
	CEZ customers	142 ths	530 ths
•	Charging stations total (cumulated)	112 ths	406 ths
	At work charging stations	71 ths	265 ths
	At home charging stations	36 ths	133 ths
	 At retail parking/ public places charging stations 	5.5 ths	7.7 ths
NWh	Electricity consumption	200 GWh	750 GWh
MW	Capacity required	0.2 GW (10% of Temelin	0.76 GW (40% of Temelin
1		plant) ¹⁾	plant) ¹⁾

1) Assuming that 20% of electric vehicles charge simultaneously

FUTUR/E/MOTION

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