



The RENAULT EV Strategy

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The Renault EV Strategy

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RENAULT EV STRATEGY

- Renault chooses the [Full Electric for All](#)

Full electric :

100% Electric Vehicle with high density charging network

For All :

Not a « niche » strategy

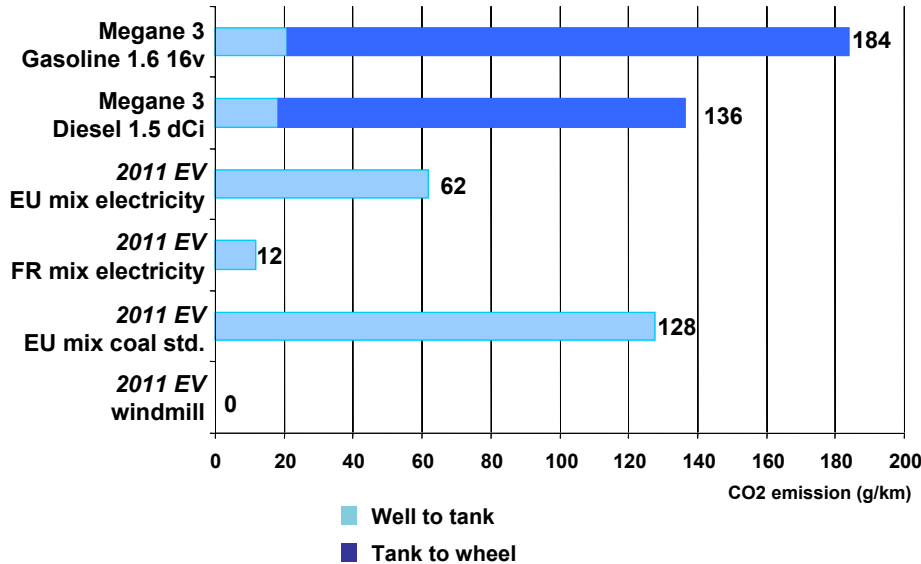
Retail price equivalent to ICE, benefit in usage cost from a minimum mileage

- Accordingly, Renault will propose from 2011 a complete [line-up](#) of Electric Vehicles



WHY THE ELECTRIC VEHICLE TODAY ?

A real answer to curbing well-to-wheel CO2 emissions

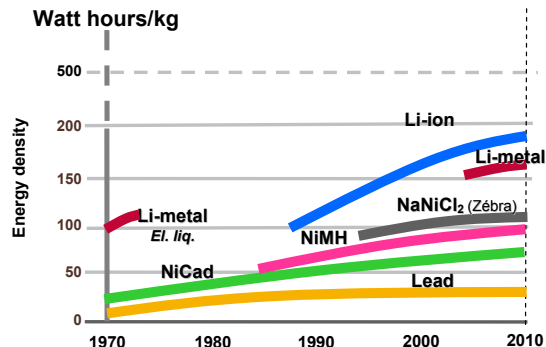
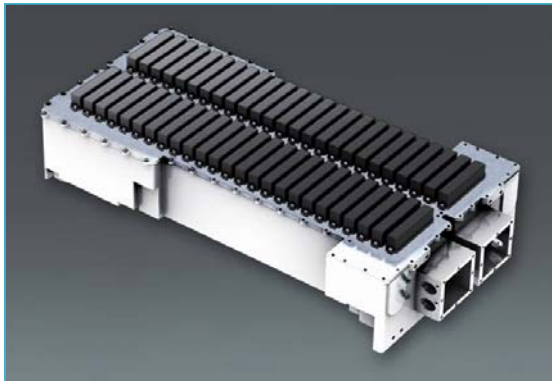


WHY THE ELECTRIC VEHICLE TODAY ?

The technical breakthrough : Lithium-ion Batteries



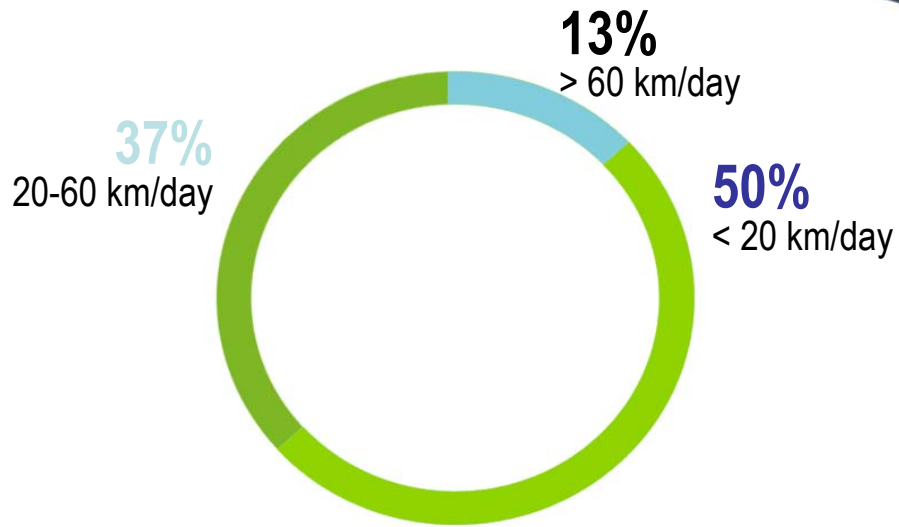
- New Lithium-ion batteries allowing :
 - More Autonomy (160km)
 - More Performance (similar to ICE vehicles)
 - Charging every time you need
 - Safety





WHY THE ELECTRIC VEHICLE TODAY ?

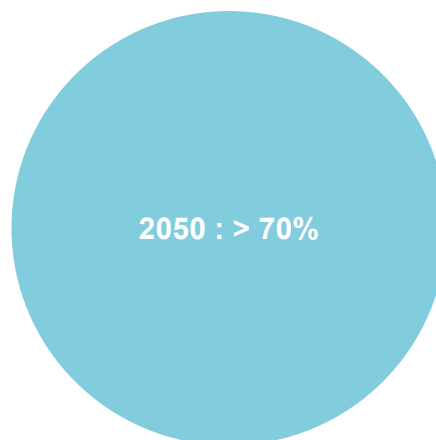
EV fits a large share of mobility needs



WHY THE ELECTRIC VEHICLE TODAY ?

EV fits a large share of mobility needs

- Increasing proportion of people living in urban area

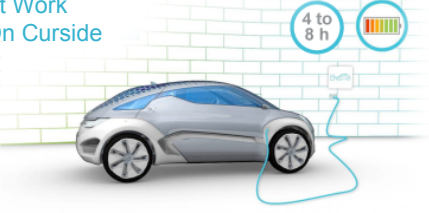

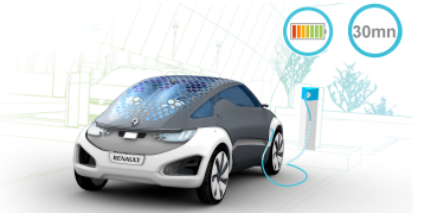
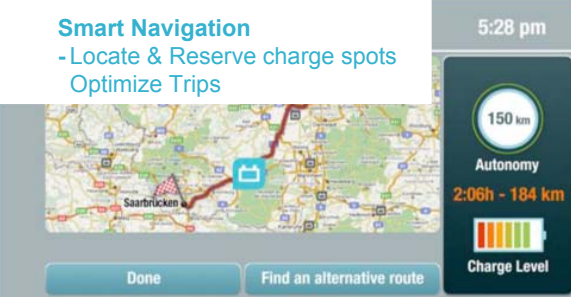


2006 : > 50%
2050 : > 70%



HOW WILL THE ELECTRIC VEHICLE MODEL WORK ?

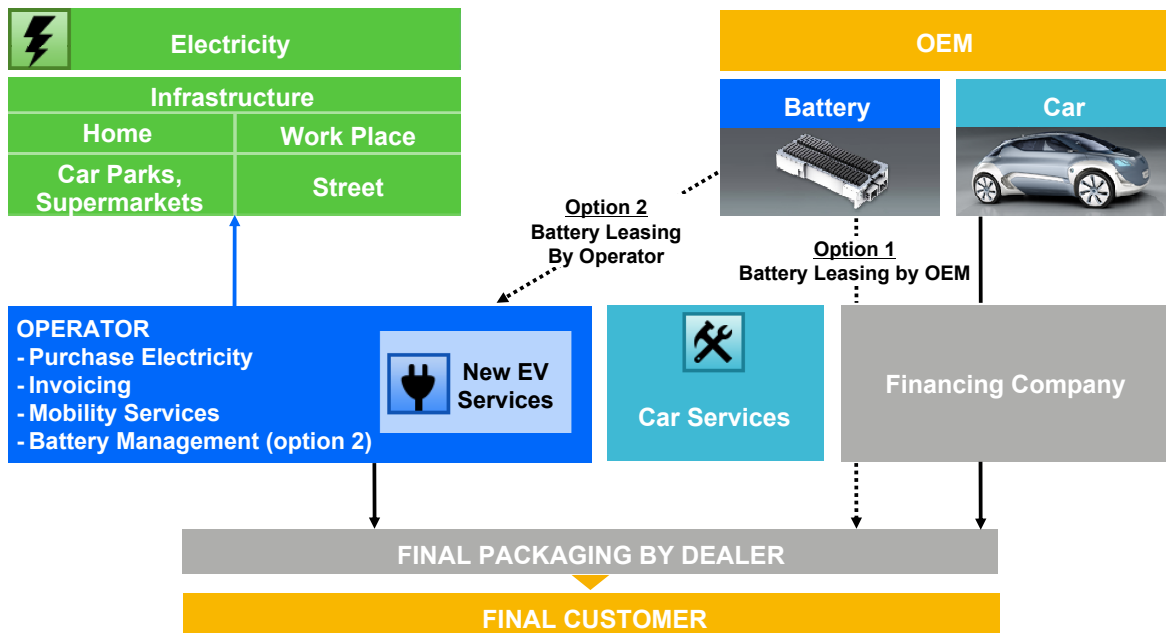
A recharge network to be installed

<p>1 Standard charge</p> <ul style="list-style-type: none"> - At Home - At Work - On Curbside 	<p>3 Quick Drop</p> <p>- A new battery in 3 min</p> 
<p>2 Fast charge :</p> <p>« Full charge in 30 min. »</p> 	<p>Smart Navigation</p> <ul style="list-style-type: none"> - Locate & Reserve charge spots Optimize Trips 



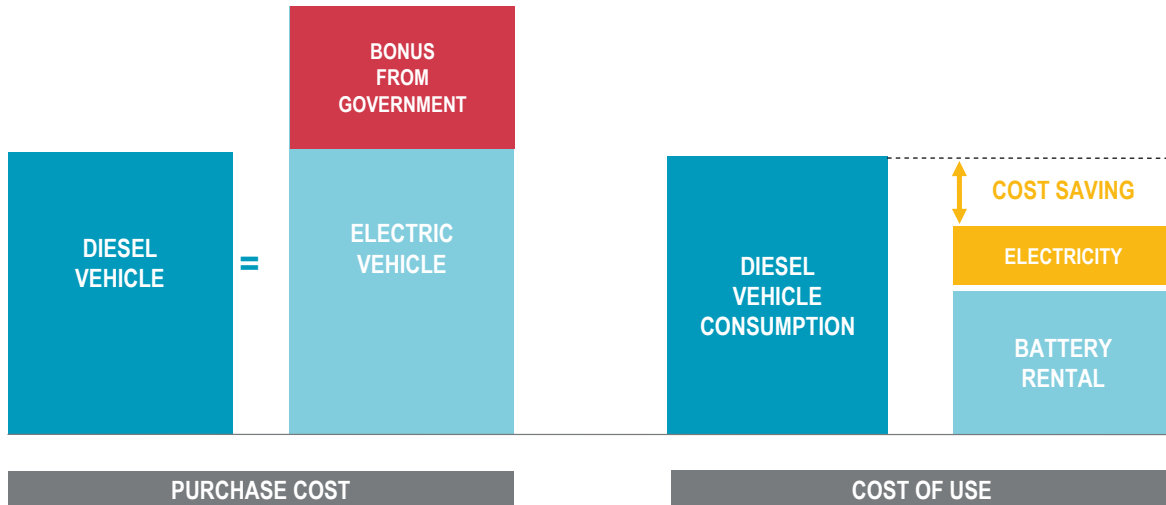
HOW WILL THE ELECTRIC VEHICLE MODEL WORK ?

New interfaces for customers



HOW WILL THE ELECTRIC VEHICLE MODEL WORK ?

Lower running costs



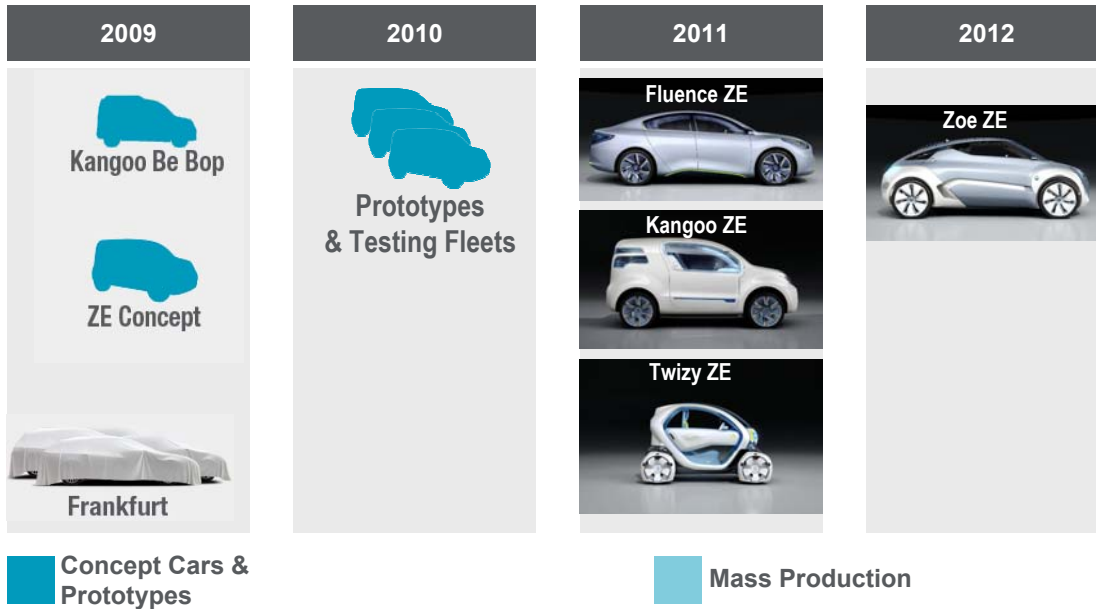
The Renault EV Line Up

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WHERE DO WE STAND TODAY?

A full line-up in preparation



WHERE DO WE STAND TODAY?





Renault Fluence ZE – Mid 2011



Design Concept



Technical Specifications

Range: 160 km
Max. Engine Power: 70 kW (95PS)
Length: 4.820 mm
Wide: 1.882 mm
Wide track: 1.672 mm
Height: 1.520 mm
Wheel: 21 inch
Empty weight: 1.600 kg
Carrying capacity: 327dm³
Torque : 226 Nm
Maximum Speed : 130km/h
Battery technology: Li-Ion (AESC sourcing), 24 kWh

Additional Information

Charging devices: slow, fast, battery exchange
Production location: Bursa (Turkey)



Renault Kangoo ZE – Mid 2011



Concept Design

Zero Emission Mobility for Professional Road Users: The Kangoo Z.E. Concept provides a foretaste of what mobility promises to resemble in the future for urban-based transporter and delivery companies, while at the same time carrying over the same acclaimed strengths as ICE Kangoo when it comes to traveling comfort, space, charging abilities and safety performance.



Technical Specifications

Range: 160 km
Max. Engine Power: 70 kW (95PS)
Length: 3.945 mm
Wide: 1.856 mm
Height: 1.902 mm (with opened door)
Empty weight: 1.520 kg
Charge: 650 kg
Torque : 226 Nm
Maximum Speed : 130km/h
Battery technology: Li-Ion (AESC sourcing), 24 kWh

Additional Information

Battery implementation underfloor
Charging devices: slow (1st phase)
Production Location: M.C.A. (Maubeuge Carrosserie Automobile, France)



Renault Twizy ZE – Mid 2011



Design Concept

100% electric, 100% practical and 100% innovative: the response to the challenge of urban mobility



Technical Specifications

Range: 100 km
Max. Engine Power: 15 kW (20PS)
Length: 2.303 mm
Wide: 1.132 mm
Height: 1.476 mm
Torque : 70 Nm
Maximum Speed : 75 km/h
Battery technology: Li-Ion

Additional Information

4 wheels – 2 seats or cargo-version
Charging devices: slow (3h30)
Production location: Valladolid (Spain)



Renault Zoe ZE – Mid 2012



Design Concept

City-dweller: the proof that a zero-emission vehicle can also possess a dynamic, edgy, attractive design which immediately points to driving enjoyment.



Technical Specifications

Range: 160 km
Max. Engine Power: 70 kW (95PS)
Length: 4.100 mm
Wide: 1.840 mm
Height: 1.516 mm
Wheel: 21 inch
Empty weight: 1.400 kg
Carrying capacity: up to 500 dm³
Torque : 225 Nm
Maximum Speed : 130km/h
Battery technology: Li-Ion (AESC sourcing), 24 kWh

Additional Information

Charging devices: slow, fast, battery exchange
Production location: Flins (France)



Q & A

