

# EV Energy Workshop

**Stockholm April 13th** 

























### 1 Motivation



#### **Health & Environment**

#### **Public Health:**

Local pollutants reduction.

#### Impact on the Global Warming:

Reduction of the CO<sub>2</sub> emissions.

#### Noise pollution:

Decrease in the traffic-based sound level.

"Traffic-based air pollution induces a higher mortality than traffic accidents"

WHO 2014

#### **Energy**

Reduction of fossil fuel energy dependency

Improvement of the electric grid management



"An electric vehicle could supply power to a standard household for more than 2 days"

LIVE, January 2015

#### **Industrial transformation**

Industrial innovation and competitiveness

Requires and gathers skilled workforce.

**Evolution of the value chain:** New services and actors

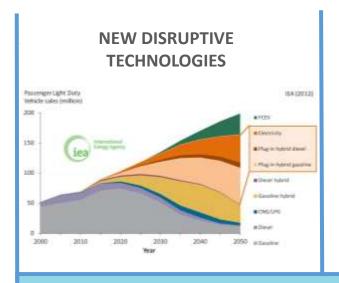
involved.



"The automobile sector will undergo a deep transformation in the next 5 years, as far reaching the past 50 years mutation."

### 2 LIVE Platform context

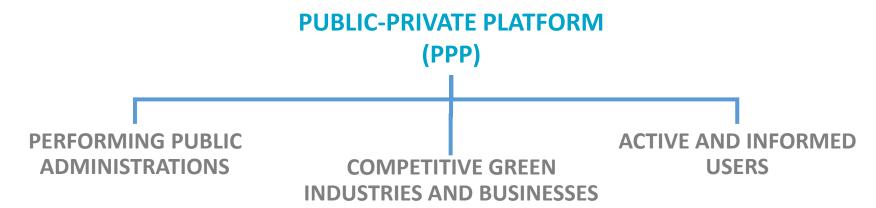




# SHARED INTERESTS FOR PUBLIC AND PRIVATE PARTNERS

Sostenible Visibilitat permet plataforma deponentata consocia consocia consocia representata del consocia representata del consocia representata del consocia del





### 3 LIVE Platform definition



#### What is LIVE?

LIVE is a **public-private platform** open to all entities related to **sustainable mobility**, mainly electric and natural gas vehicles, with the shared objective of developing projects, strategic policies and new business models, and building a knowledge network.

### **Objectives**

Keeping and incrementing the strategic place of Barcelona, its metropolitan area and Catalonia as an **international excellence center** in the sustainable mobility field.



Becoming the **link between the different public initiatives** in Barcelona, its metropolitan area, and Catalonia, as well as sharing experiences and needs between the public and the private sectors.



**Supporting the private sector** in order to encourage the implementation of strategic local and international projects, providing with promotion tools and responding to the needs and interests of the sector.



### 4 LIVE Platform members



#### **Executive Members**



Barcelona Activa





















#### **Linked Entities**



#### **Contributor Members**















In progress





















CAR-BUS

























### 5 LIVE activity: axes of action





#### **I. Communication**







+2600 followers in Twitter +12 n +3100 fans in Facebook in pre

+12 millions of potential audience in press, radio, online press, and TV



#### II. Support to public policies



Influence on national and regional policies



#### **III. Infrastructures**



+350 electric charging stations 14 VNG stations



#### **IV. Vehicles &Fleets**



+7500 EV in Catalonia +2000 VNG vehicles in Catalonia



#### **V. Industrial Transformation**

ZeEUS,



Participation and counseling in national and international projects

### 6 LIVE Action Plan 2017-2018





**Challenge 1:** EV popularization

2000 EV test drives and 400 new users



Challenge 2: Introduction of EV in private fleets

12 companies with 2 EV

**Challenge 3:** Alternative Energy Vehicles in education **6 research project topics related to AEV** 



**Challenge 4:** VNG incorporation to fleets

4 pilots in distribution fleets



**Challenge 5:** Promote the EV use among employees

6 companies and 2% of staff with EV



NISSAN Challenge 6: Electric Mobility Plans for municipalities

5 municipalities and 5 promotion campaigns



**Challenge 7:** Green public procurement

20% of AEV tendered



**Challenge 8: ICT solutions for EV** 

APP *gaming* to facilitate the EV purchasing



Challenge 9: E-bus promotion

e-buses methodological guide

### 6 LIVE Action Plan 2017-2018



### New projects defined in 2018



**Challenge 10:** Home charging points subsidy and promotion

**Good practices guideline for PPAA** 



**Challenge 11:** EV introduction in early-drivers (driving schools)

EV in practical and theoretical contents



**B:SM** Challenge 12: Promotion of natural gas transformation vehicles

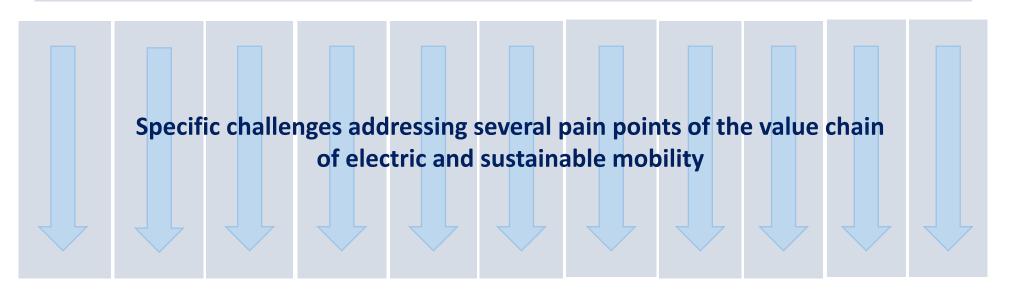
**Recognition & promotion of dual fuel NGV** 

### 6 LIVE Action Plan 2017-2018



**Activity coordination** and running of the group (**Technical Secretary**)

Communication commission, social media leadership and press office (Communication Agency)



**Economic Promotion:** Events participation, networking between stakeholders and groups of interest...

#### **Public Commission:** public policies' coordination





**Policies** 









Infrastructure

Vehicles

Industrial Transformation

## 7 Facts & figures



#### **Barcelona**



### 7 Facts & figure. EV Public Charging Infrastructure.



#### **Barcelona**

- 26 Residential public garages overnight
- 354 Opportunity services in public garages off-street
- 16 Opportunity services for taxis/delivery in public space on-street
- 54+129 Opportunity services for eMoto in public off-street/on-street
- 20 QC services in public space on-Street (MoU Nissan+Renault+BMW and others)





### 7 Facts & figures



### **Catalonia**

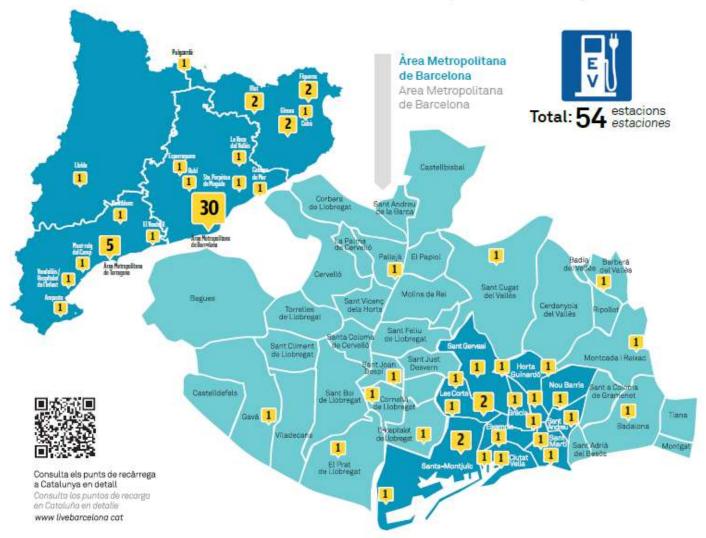


### 8 Fast charging points in Catalonia



### ESTACIONS DE RECÀRREGA RÀPIDA A CATALUNYA (finals de 2017)

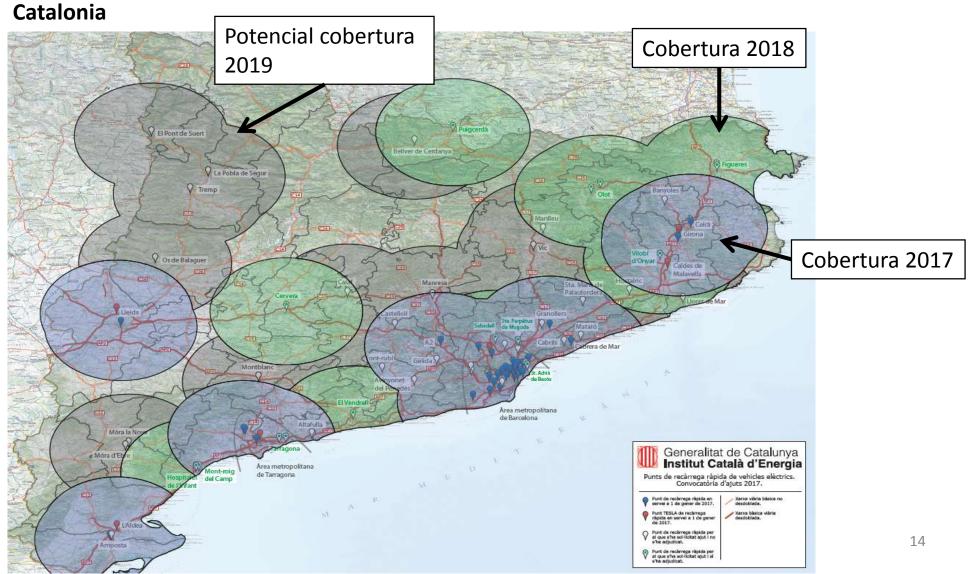
ESTACIONES DE RECARGA RÁPIDA EN CATALUNYA (finales de 2017)



### 9 PIRVEC 2016 - 2019 (15M€)



Strategic plan for the deployment of recharge infrastructure for electric vehicles in





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- witter.com/liveprojectbarcelona
- youtube.com/c/LIVEBarcelonaProject