

## Economic efficiency of e-mobility in the Spain

The implementation of the electric vehicle in Spain and in a specific way in the city of Barcelona has been possible so far because different actions and incentives promoted at a governmental level: tax break and subsidies/funding.

### Spain

The financial incentives actually active at national level ,that help to increase the acceptance of the electric vehicle by the citizens, at least at the economic side, are described next:

- **Tax Break**

- At the time a vehicle is purchased, the registration taxes disappear if it is an electric vehicle or its emissions are lower than 120g/km.
- At operational level, companies have a reduction on its economic activities taxes when they develop a transport plan, which includes the electric vehicle as its principal transport mode.
- Also, there is an economic aid for private owners over the IVTM tax that can be up to 75% of the total (depending of the each city).
- A reduction of the electricity tax when you install a charging station at home or work.

- **Subsidies/Funding**

- There are actually active some subsidies or funding, helping to increase the uptake of the electric vehicle in Spain, such as the MOVELE Plan for cars, PIVE 8 Plan for efficient cars and the PIMA Air Plan for electric commercial vehicles and electric bikes. Next, we can see an example of the subsidies of the MOVELE Plan for 2014 according to the range of the vehicle:

Electric Vehicle Range	Subsidy (€)	
	Vehicles	Stations
< 40 km	2.700	1.000
40 – 90 km	3.700	
90 km	5.500	

## Barcelona

The financial incentives implemented in Barcelona city are mostly the same as the ones mentioned for Spain. Nevertheless, there are some other regional incentives, that help with the uptake of the electric vehicle:

- **Additional incentives**

- Free circulation on HOV lanes managed by the city.
- Free or advantageous discounts in parking spaces at regulated areas on the street and in public parking managed by the city.
- Free use of the toll highways (no payment) after non mandatory subscription to the service EcoviaT.