



Assises Nationales IRVE
EV Charge Point Symposium

16 & 17/03/2017

Centre Universitaire Méditerranéen - NICE



For CNR, EV=GE
Electric Vehicle = Green Energy



GOLD SPONSOR

Frédéric STORCK
Director of Energy
Compagnie Nationale du Rhône (CNR)

How CNR is favouring genuinely green mobility...

For CNR, what are the stakes at hand with electric mobility?

In the years to come, the number of electric vehicles on the roads will grow progressively, and these increasing numbers will, of course, be a challenge to energy providers. As the 2nd producer of electricity in France, and, more importantly, as the n°1 producer of exclusively renewable energy, CNR has a key card to play...!

CNR N°1 producer of 100% renewable energy in France

- 3453 MW renewable electric power (water, wind, sun)
- by 2020, Plans to triple power produced by wind and sun (+600 MW in France +300 MW in Europe).

Being a specialist in green energy will help address this challenge?

We're convinced of that! Studies carried out by ADEME show that to ensure the energy transition in transport you must have clean solutions to produce electricity. The advent of the electric car will obviously help reduce polluting emissions, NOx and other fine particles; but if the electricity consumed by these cars is not produced from non-pollutant energy sources, the environmental impact is mitigated, possibly even less good than with gas powered cars. Add to this, that France relies largely on nuclear energy for its electricity, with the issue of toxic waste management and the overall environmental risk it represents... So as you can see, without renewable energy for electric cars the global environmental problem is far from being solved. **Clean energy is therefore key to enable the large scale adoption of electric vehicles.**



Assises Nationales IRVE EV Charge Point Symposium

16 & 17/03/2017

Centre Universitaire Méditerranéen - NICE



So concretely, what is CNR doing to favour electro mobility?

Today, one of our top priorities is to build awareness among the different actors in this sector, to incite them to 'think green' when installing charge points. To underline our commitment, we have set up a fast charge corridor that links the Lac Léman to the Mediterranean sea, with a station every 20-30 km. This corridor is financed entirely by CNR and provisioned solely in 100% renewable energy, and a percentage of the revenues are destined to a fund (*Nature Option Environnement NOE*) geared at promoting and developing renewable energies.

With your approach, are you facing any particular challenges?

At CNR, 100% of the electrons produced are from renewable sources (water, wind, sun) and with these energies you encounter intermittency in supply. We are developing innovative solutions to address this and ensure network stability. We are working in particular on how to recharge batteries associating them with signals emitted by the energy producers, and also, how to reinject a portion of the energy accumulated by the battery, back into the system.

Why is it important for you to be present at the 2017 EV Charge Point Symposium ?

We have been attending this Symposium in Nice for several years and this year, with our corridor now launched, it was an opportunity for us to reinforce our communication with key actors in the sector. Our goal is to have them associate Electric Vehicles with Green Energy (EV=GE) so that we don't lose sight of the true environmental stakes at hand.

CNR is France's leading producer of exclusively renewable energy, and holder of the Rhone concession. Since its inception, the company was entrusted by the State to develop and operate the Rhone, with three important goals: power generation, navigation, irrigation and other agricultural uses.

For more: www.cnr.tm.fr/en