



## EDF intends to become Europe's leading e-mobility energy company by 2022.

- Number 1 electricity supplier for electric vehicles by 2022
- Number 1 charging network operator
- Leader in "smart charging"

The EDF Group is launching its *Plan Mobilité Electrique* (Electric Mobility Plan) in order to become the sector's leading energy company on its four biggest European markets: France, UK, Italy and Belgium. After launching the *Plan Solaire* (Solar Plan) in December 2017 and the *Plan Stockage Electrique* (Electricity Storage Plan) in March 2018, this third plan in support of the energy transition confirms the Group's leading role in the generation of CO<sub>2</sub>-free power and the development of new electricity applications.

Electric mobility will be experiencing sustained growth in the coming years. The transportation sector is the biggest contributor to greenhouse-gas emissions in Europe<sup>1</sup> and, in view of these facts, low-carbon electricity is the future's solution for clean transportation. With an energy mix of which 87% is CO<sub>2</sub>-free, the EDF Group has a major role to play.

In France, EDF is already a standard-bearer in the electric mobility sector. The Group has put together dedicated offerings that include the supply of low-carbon electricity and charging solutions<sup>2</sup>. It is also one of the biggest charging network operators thanks to its subsidiary Sodetrel, which operates 5 000 charging points in France and provides access to 60 000 charging points in Europe for customers with a Sodetrel Pass.

With the Electric Mobility Plan, EDF is stepping up the pace by setting concrete targets on its four main European markets.

### **Becoming the leading power supplier for electric vehicles by 2022**

EDF is aiming to supplying power for 600 000 electric vehicles, equating to 30% of market share in France, the UK, Italy and Belgium. Starting in 2019, the Group will present each of these markets with a fully integrated range of offerings including low carbon electricity, a charging solution for all its customers with access to a parking space, and services geared towards optimised charging and use of the vehicle's battery.

### **Becoming the biggest charging network operator**

EDF will become the leading public and private charging network operator in the four core European countries. Through its subsidiary Sodetrel, the Group is aiming to deploy 75 000 charging points and provide its customers in Europe with access to 250 000 interoperable terminals by 2022. EDF will also be developing novel charging solutions for all customers without access to a parking space, in particular through collaborative innovation initiated by EDF New Business and EDF R&D.

### **Becoming Europe's "smart charging" leader**

Electric mobility will transform power systems as the electric vehicle is also a battery that can be used for the grids to balance load during periods of high demand. With it's the Electric Mobility Plan, the Group will become Europe's smart charging leader, aiming to operate 4 000 smart charging points by 2020.

Jean-Bernard Lévy, EDF Chairman and Chief Executive Officer: *"Already a standard-bearer and pioneer of electric mobility, the EDF Group is stepping up the pace with its Plan Mobilité Electrique. Thanks to its low-carbon energy mix, EDF will substantially contribute to the fight against global warming by supporting municipalities, businesses*

<sup>1</sup> 20% of Europe's greenhouse-gas emissions come from the transportation sector – Key climate figures for year 2018, issued by the Ministry for Environmental and Social Transition

<sup>2</sup> Range of offerings from Sodetrel and Sowe, 100% subsidiaries of the EDF Group



*and residential customers with the development of clean mobility everywhere and for everyone. In order to achieve this goal, EDF is building an ecosystem of innovative players by forming strategic partnerships for the large-scale roll-out of the best technologies to support our customers."*

**The Plan Mobilité Électrique relies on new partnerships with innovative players who are leaders in their respective markets. The first series of partnerships has been formed between:**

**EDF and NUVVE:** EDF Renewables North America holds a minority interest in NUVVE, a Californian start-up based in San Diego specialising in the aggregation and harnessing of flexible solutions for energy markets, associated with the charging of electric vehicles. EDF and NUVVE have signed a strategic partnership agreement with a view to forming a joint venture to develop these solutions in Europe.

**EDF and Ubitricity:** EDF and German-based start-up Ubitricity have been commercial and technological partners since 2014. Ubitricity has developed an innovative solution to convert existing streetlights into charging points and delivered several projects in Europe and across the world. Citelum (100% affiliate of EDF Group) and Ubitricity are partnering to integrate this innovative solution to Citelum's "smart city" range of product.

**EDF and Renault** have formed a partnership to develop shared offerings and to experiment electric mobility solutions in isolated regions and big cities.

**EDF and Toyota** have been electric mobility partners with a focus on R&D since 2007 and have extended this partnership to low-carbon industrial performance on the Onnaing site in Valenciennes since 2017. The expertise of both EDF and Toyota is now opening the way to new cooperative endeavours in the areas of smart charging and hydrogen charging station specifications.

**EDF and Valeo:** EDF, the low carbon energies champion and Valeo, the leader in high and medium voltage electrification, have formed a partnership to monitor the development of future battery technologies and charging solutions, as well as the development of mobility services. This partnership will be supported by the installation of shared demonstrators.

**EDF Energy** (100% subsidiary of the EDF Group) and Nissan International have formed a UK-based partnership for the development of shared offerings in the areas of electric mobility, smart charging, second-life battery use, energy storage and renewable energy sources. The two partners will be pooling their international experience and know-how in these areas, thereby helping to develop low-carbon, innovative and responsible transportation systems.

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A key player in energy transition, the EDF Group is an integrated electricity company, active in all areas of the business: generation, transmission, distribution, energy supply and trading, energy services. A global leader in low-carbon energies, the Group has developed a diversified generation mix based on nuclear power, hydropower, new renewable energies and thermal energy. The Group is involved in supplying energy and services to approximately 35.1 million customers, of which 26.5 million in France. The Group generated consolidated sales of €70 billion in 2017. EDF is listed on the Paris Stock Exchange.



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