



Jeep® Renegade 4xe, plug-in hybrid

Charging our future

Fiat Chrysler Automobiles is rising to the challenge that climate change presents to mobility

Mobility reform is one of the toughest challenges facing the automotive industry today. Mobility is essential for people and businesses. Car and commercial vehicle manufacturers must be able to meet ever-growing demand and evolving customer needs – while also developing solutions that protect the health of our planet.

Fiat Chrysler Automobiles (FCA) has accepted this challenge by responding with its approach to electrification.

Over the last few years, FCA has developed a suite of electrification

technologies. These include hybrid, plug-in hybrid and full-battery electric vehicles (EVs) that offer improvements in fuel economy and lower CO₂ emissions.

We have already introduced EV technologies on FCA models in several countries, such as:

- the fully electric Fiat 500e, launched in 2013 in North America;
- the Chrysler Pacifica plug-in hybrid, marketed in 2017 in North America and launched in China in 2018;
- mild-hybrid technology, marketed as 'eTorque', launched in the all-new 2018

Jeep® Wrangler and all-new 2019 Ram 1500 in North America;

- the all-new 2019 Jeep® Commander plug-in hybrid in China.

In 2020, FCA's electrification rollout will see a rapid development with several models marketed in Europe. In particular, the production of the Jeep® Compass and Jeep® Renegade plug-in hybrid versions, the Fiat 500 BEV, and Panda will all be produced in Italy. The hybrid version of Fiat 500 and Lancia Ypsilon, on the other hand, are produced in Poland. Further plans include production of the Fiat Professional Ducato Electric.

All new Maserati models will be 100 per cent developed, engineered and built in Italy, and will adopt hybrid and battery electric propulsion systems delivering all the innovation and outstanding performance typical of the brand's DNA. Moving forward, to meet the growing demand for EVs, we have confirmed plans to invest more than €9 billion in developing vehicle electrification, plus

At CES 2020 in Las Vegas, FCA showcased its newest electrification technologies: the Jeep® Wrangler 4xe, the Jeep® Compass 4xe and the Jeep® Renegade 4xe



New Fiat 500, all electric

additional investments in manufacturing plants in North America and Italy.

Powerful partnerships

FCA's strategy is not limited to electrifying vehicles, but also to creating a new mobility system, ensuring customers can drive an EV in a sustainable way. With this in mind, FCA has signed new partnerships with Enel X and ENGIE – global leaders in the energy sector – to offer private and public e-charging solutions and services across all major markets in Europe. The initiative also includes research and testing of new technologies that will reduce the cost of EVs to vehicle owners.

To support the flexibility and safety of the electricity grid, FCA has also signed a

Memorandum of Understanding with Terna, a major electricity grid operator. The two companies have agreed to set up an innovative technology lab in Turin (Italy) to test the potential of connecting FCA's EVs to the electricity grid. The aim of the pilot project is to supply ancillary services to the grid and, potentially, to let FCA customers exchange power from their vehicles to the grid and vice versa, maximising value from the vehicle batteries when they are not in use.

As EVs become increasingly connected, FCA will also be able to provide customers with dedicated mobile services. Our collaboration with Transatel, Europe's leading mobile virtual network enabler, will offer drivers and array of online in-vehicle services, from rate-per-kilometre options, long-term car rental and peer-to-peer car-sharing solutions.

In addition, our partnerships with insurance company Generali and data and analytics experts LexisNexis Risk Solutions will develop tailor-made insurance services and products for EVs in Italy and in the main European markets.

Accelerating the drive to electrification

FCA is adding another element to its e-mobility strategy – a new Battery Hub. This hi-tech battery assembly centre, based in Turin, will employ advanced technology in modular and flexible processes, including collaborative robots working hand in hand with human operators.

The Battery Hub is expected to be an advanced technology centre for innovation, prototyping and testing, as well as for training. It will enable FCA to respond quickly to the continually evolving electrification sector.

As our EV portfolio grows, we will continue to develop electric and hybrid technologies, focusing on solutions that are both competitive and beneficial to society as a whole. ■

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Fiat Chrysler Automobiles (FCA) is a global automaker that designs, engineers, manufactures and sells vehicles in a portfolio of exciting brands, including Abarth, Alfa Romeo, Chrysler, Dodge, Fiat, Fiat Professional, Jeep®, Lancia, Ram and Maserati. It also sells parts and services under the Mopar name and operates in the components and production systems sectors under the Comau and Teksid brands. FCA employs nearly 192,000 people around the globe. For more information about FCA, please visit www.fcagroup.com



Jeep® Renegade and Compass 4xe 'First Edition': discovering the new plug-in hybrid models of the Jeep® brand

FCA

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UNA-UK thanks Fiat Chrysler Automobiles for its generous support for this publication