

## RENAULT EZ-FLEX: AN INNOVATIVE EXPERIMENT TO BETTER UNDERSTAND LAST-MILE URBAN DELIVERY

- **Renault EZ-FLEX is an experimental electric and connected LCV that is both compact and agile. It was created and designed for sustainable mobility and delivery efficiency in urban areas. It is more than a vehicle: it is a real work tool for deliverers.**
- **Renault EZ-FLEX is initiating a new collaborative, innovative and unprecedented approach to better grasp the new challenges of last-mile delivery. Renault EZ-FLEX will be experimented with various professionals in Europe to collect all relevant data usage in order to better understand their needs associated with daily delivery in urban areas.**
- **The volume of transported goods in the world is expected to quadruple by 2050. Within this context, at the end of 2018, Renault presented its vision of the future of urban delivery in 2030 with the electric, autonomous and connected Renault EZ-PRO concept car. With EZ-FLEX, an electric and connected vehicle, Renault continues to prepare for the future by exploring new uses of last-mile delivery.**

We invite you to discover Renault EZ-FLEX at the Renault stand at the VIVA Technology fair from 16 to 18 May 2019 at Paris Expo Porte de Versailles (France).

### EZ-FLEX: A VEHICLE CREATED AND DESIGNED FOR CITY DELIVERIES

Renault EZ-FLEX is a **compact and manoeuvrable** vehicle designed to move seamlessly throughout cities.

It provides an **optimal footprint in relation to its load space**: the length (3.86 m), width (1.65 m) and height (1.88) are

small enough to enable access to car parks. Its 3m<sup>3</sup> load capacity is exceptional for its dimensions and made possible by a compact cockpit which still offers the full range of assets of a true LCV. The 4.5 m turning circle provides excellent maneuverability in city centers.

Everything was designed to **meet the needs of deliverers**: the wide access to the driver's seat which facilitates ingress and egress, a highly visible central dashboard for quick and easy access to driving information, pedestrian and urban environment visibility and simple and efficient driving controls. **The human machine interface** is modern and fully integrated into the world of smartphones. It offers services and applications linked to the vehicle and can integrate applications linked to various professionals' activities.

Rear loading is optimized via an ergonomic loading height (760 mm above ground) and openings enabling easy access to the entire loading surface. The vehicle was also designed to enable **a wide variety of configurations**. These rear space configurations are adaptable, designed to meet the different needs of the professionals by whom the vehicle will be used.

**As an electric vehicle**, EZ-FLEX can access city centers, offering a range of 150 km adapted to the needs of urban delivery (urban deliveries require driving 50 km per day on average).

## EZ-FLEX: A COLLABORATIVE, INNOVATIVE AND UNPRECEDENTED EXPERIMENT

A dozen Renault EZ-FLEX vehicles will be lent to various professionals, companies, cities and municipalities in Europe. The experiment is expected to last about 2 years.

The vehicle is **equipped with sensors** to better understand the uses, and the professionals will enrich this data with their feedback during the experiment. Different data types will be collected: geolocation, mileage, range, use of openings, speed, stops, etc. This data will then be transferred via the vehicle's connected system, either in real time or once per day, to understand the reality of daily uses.

**The analysis of the data, complemented by the professionals' feedback**, will enable Renault to design vehicles which are better adapted to the evolutions in urban logistics. The goal is to have the ecosystem's players test a vehicle and its services in real-life conditions to obtain a shared vision of urban mobility of goods.

Through this experiment, Renault is initiating **a new approach** to prepare and design the innovations of tomorrow. This flexible approach, which is a breakthrough in the automotive industry, is very close to practices used in other sectors, such as gaming.

## EZ-FLEX: PREPARING THE MOBILITY OF TOMORROW

In a world where the soaring urbanization trend will lead to over 60% of the population living in cities by 2030, the movement of people is not the only aspect to rethink. A new era is also beginning for transporting goods: rapidity, flexibility and reliability are the watchwords of the new requirements for consumers at a time that is also seeing a rapid rise in online purchasing. This demand for ever faster and more accurate delivery times is coupled with increasingly

drastic regulatory constraints in towns and city centers.

“Sustainable mobility for all, now and in the future” is Groupe Renault’s credo.

Following the Renault EZ-PRO concept car, the Renault EZ-FLEX enables us to continue **our exploratory work on the mobility of tomorrow.**

## **About Groupe Renault**

*Groupe Renault, which has been making cars since 1898, is now an international corporation with a presence in 134 countries and sales of 3.9 million vehicles in 2018. Today, the company has over 180,000 employees, 36 manufacturing sites and 12,700 sales outlets worldwide.*

*To meet the major technological challenges of the future while continuing to pursue its profitable growth strategy, the group is focusing on international expansion. To this end, it is drawing on the synergies of its five brands (Renault, Dacia, Renault Samsung Motors, Alpine and LADA), electric vehicles, and its unique alliance with Nissan and Mitsubishi Motors. With its committed 100% Renault team participating in the Formula 1 world championship since 2016, the brand is involved in automotive sports, a true vector of innovation and notoriety.*

### **Pour Plus D'informations:**

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