

**EUROPEAN COMMISSION**

HORIZON 2020 PROGRAMME - TOPIC H2020-LC-GV-01-2018  
Connected Electric Vehicle Optimized for Life, Value, Efficiency and Range

GRANT AGREEMENT No. 824295



**CEVOLVER – Deliverable Report**

D4.4: Proof of functionality of the upgraded vehicle in  
form of a positive test report

## **Publishable summary**

The current deliverable report D4.4 represents the commissioning, calibration, and verification of the entire demonstrator system (Ford Demonstrator). The functionality of the entire vehicle system, including the cloud, has been proved by respective tests. In addition, the vehicle has been prepared and the different systems have been calibrated for the final validation in WP6. Test procedures have been defined by FORD with the support from RWTH and with input of the different feature owners (RWTH, VUB, IFPEN). A detailed test plan has been set up reflecting the use cases defined in WP1.

In a first step the functionality of the updated systems was tested. Subsequently an initial calibration was executed to demonstrate that the vehicle is operable under all conditions defined in task 4.1. Finally, the connection between the vehicle and the cloud services was tested to prove that the necessary data can be exchanged reliably between the cloud and the demonstrator vehicle.

# 1 Acknowledgement

The author(s) would like to thank the partners in the project for their valuable comments on previous drafts and for performing the review.

## Project partners:

| #  | Partner | Partner Full Name                                   |
|----|---------|---|
| 1  | FEV     | FEV Europe GmbH                                     |
| 2  | BOSCH   | Robert Bosch GmbH                                   |
| 3  | FORD    | Ford-Werke GmbH                                     |
| 5  | IFPEN   | IFP Energies Nouvelles                              |
| 6  | RWTH    | Rheinish-Westfaelische Technische Hochschule Aachen |
| 7  | VUB     | Vrije Universiteit Brussel                          |
| 8  | UNR     | Uniresearch BV                                      |
| 9  | I2M     | I2M Unternehmensentwicklung GmbH                    |
| 10 | RBOS    | Robert Bosch AG                                     |
| 11 | CRF     | Centre Recherche Fiat                               |

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