



CEVOLVER is a H2020 Research and Innovation project to develop battery-electric vehicles that are usable for comfortable long day trips with an affordable battery

SHORT DESCRIPTION

Despite significant progresses, **battery electric vehicles'** (BEVs) marketisation is still challenged by high production cost and sales prices, and user skepticisms about range, charging times and available charging infrastructure. The EU-funded CEVOLVER project creates BEVs with affordable batteries sized mainly for urban use, but still usable for comfortable long day trips. CEVOLVER's user-centric approach to vehicle design enables taking advantage of future improvements of fast-charging infrastructure planned and growing in many countries. CEVOLVER **maximizes BEVs' efficiency and connectivity** by measures like holistic vehicle energy management including **on-board thermal management** of cabin and powertrain components, and **connectivity supporting range prediction** as fundamental element for **eco-driving** and **eco-routing driver assistance**. These functions build user-confidence ensuring to reach (fast-)charging stations reliably when traveling.



PROJECT VISION

CEVOLVER takes a **user-centric approach** for optimising the development and operation of electric vehicles

The project exploits the opportunities of **novel connected functions** in combination with **right-sized components**

CONCEPT & APPROACH

