



CarE-Service

Circular Economy Business Models for innovative hybrid and electric mobility through advanced reused and remanufacturing technology

CarE-Service project is a H2020 large scale demonstration project funded under the agreement No 776851. The goal of the project is to prove at large scale the feasibility of new circular economy technologies and business models for the End-Of-Life of Electric and Hybrid Electric Vehicles (E&HEVs), that enable the offering of new highly customized and performance-based mobility services for European citizens. Such services and business models will affect customers' behavior and will drastically change the current End-of- Life vehicles value-chain towards sustainability.



The main objectives of CarE-Service are:

- 1) Establish three new circular European value chains for the re-use, remanufacturing and selective recycling of high added-value parts of E&HEVs: batteries, metals and techno-polymeric components.
- 2) Generate new service markets for the sustainable mobility of European citizens. New services will rely on the exploitation of the opportunities of circular economy on the one hand, and will be a necessary market for the long-term sustainability of circular business models on the other.
- 3) Demonstrate at European scale the economic, social, and environmental sustainability of new circular technologies, business models and services, considering potential drawbacks and side effects.
- 4) Create the conditions for a European wide exploitation of results.



Final Events

CarE-Service entered its final phase. In order to share results with interested companies, universities, research centers, innovation intermediaries and policy makers, we **offer a calendar of events** -from May to November 2021- focused on specific project results.

Training Events

They will transfer concepts and information allowing attendants to have a better awareness and knowledge about the state of the art of the various innovation topics addressed in the project and related industrial challenges.

Demonstration and Exploitation Events

They will be a demonstration of project results implemented in real industrial scenarios (disassembly, testing, remanufacturing, recycling technologies, mobility services, business models and Platform)

All events will be organized in virtual mode with the support of videos and virtual demos. If pandemic will allow, some demonstration events will be in presence.

Calendar

May 2021

14th May (Training)

"Polyamides today:
from polymerization to recycling"

25th May (Training)

"Reforming technologies for re-manufacturing
of sheet metal parts, metals disassembly and
testing in automotive"

June 2021

4th June (Demonstration)

"Innovative community platform for the reuse,
remanufacturing and recycling of metals,
techno-polymers and batteries in automotive"

29th June (Demonstration)

"Automotive Polyamide Circularity?
Yes, it's feasible"



July 2021

5th July (Training)

"Mobile Solutions and Flexible lines for
vehicles battery dismantling"

21st July (Demonstration)

"New solutions for disassembly,
remanufacturing and testing automotive metal
parts"

September 2021

20th September (Training)

"Battery Circular Economy approaches for
redesign, reuse and regulation":

- Battery re-design: a sustainable solution for the transition to Circular Economy
- Second life battery applications: challenges, solutions and case studies
- New Battery Regulation: implications for the European battery value-chain"

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October 2021

18th October (Demonstration)

"Circular Economy holistic approach for used
batteries of electric and hybrid-electric
vehicles"

19th October (Demonstration)

"Circular economy-based mobility services"

November 2021

25th November

(Final Exploitation Event)

The CarE-Service project will celebrate the final event with a holistic discussion of demonstrated results:

"Circular economy in the future
automotive market: new products and
services generated by the CarE- Service
project"

(hosted by Fiat Chrysler Automobiles)

Registration:

By clicking on the event titles

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