

## ABOUT EuReComp

EuReComp is an EU funded collaborative research project with a strong focus on circularity, set out to provide sustainable methods towards recycling and reuse of composite materials, coming from components used in various industries, such as aeronautics and wind energy.

Across all industries about 60% of waste fibre reinforced composites is landfilled, causing severe societal and environmental issues. As EU's Circular Economy plan seeks to reduce the landfill down to 10%, relevant stakeholders seek to develop more advanced technologies and end-of-life options, which promote the recycling of carbon fibres.

The main pathways that EuReComp proposes to achieve circularity will include:

- repairing, repurposing and redesigning parts from end-of-life large scale products and
- recycling and reclamation of the materials used in such parts; thus, accomplishing reduction of waste and transformation to high-added value products.

The methodologies developed within the EuReComp project, will be further tested and validated by developing 5 demonstrators using novel manufacturing methodologies and incorporating recycled materials, obtained from different recycling processes, leading to a range of new circular composites.

*Sustainable methods towards recycling & reuse of composite materials, coming from components used in various industries*

## OUR TEAM



## CONNECT WITH EURECOMP



101058089 NTUA • Prof. C. Charitidis  
01.04.2022 info@eurecomp.eu  
48 months www.eurecomp.eu

Design by: EASN-TIS



## EUROPEAN RECYCLING & CIRCULARITY IN LARGE COMPOSITE COMPONENTS



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## PROJECT OBJECTIVES



To propose innovative **dismantling and sorting** systems enabling reuse and recycling of complex composite materials



To develop and integrate novel solutions for a higher **reuse** of whole products and components (i.e. products' reusability, upgradability, etc)



Pilot **demonstration** of reuse/recycling approaches of composites & secondary raw materials



To develop tools to demonstrate the circularity and the **environmental benefits** of the solutions tested

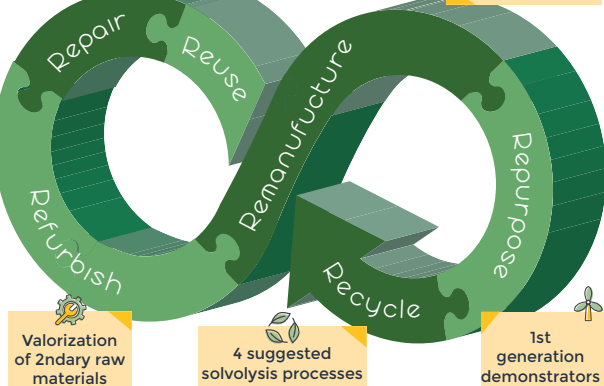


To consider the co-design of **learning** resources together with local and regional educational organisations for current and future generations of employees

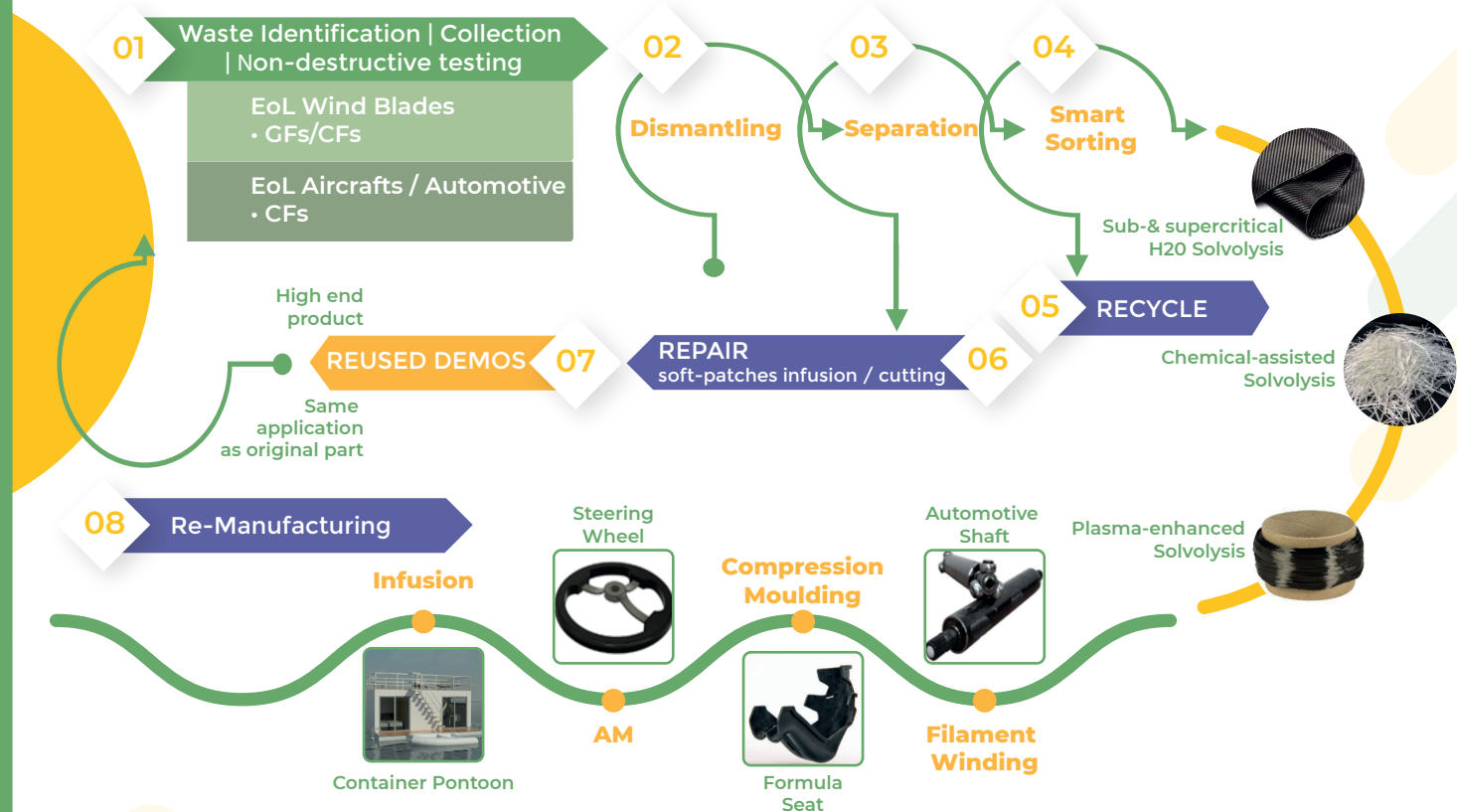
### R6 Strategy

Evaluation of EOL parts to either be Reused or Repaired

2nd generation demonstrators



## PROJECT CONCEPT



## KEY FEATURES

