

# EuReComp

## EUROPEAN RECYCLING & CIRCULARITY IN LARGE COMPOSITE COMPONENTS

### 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.

### PROJECT OBJECTIVES

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

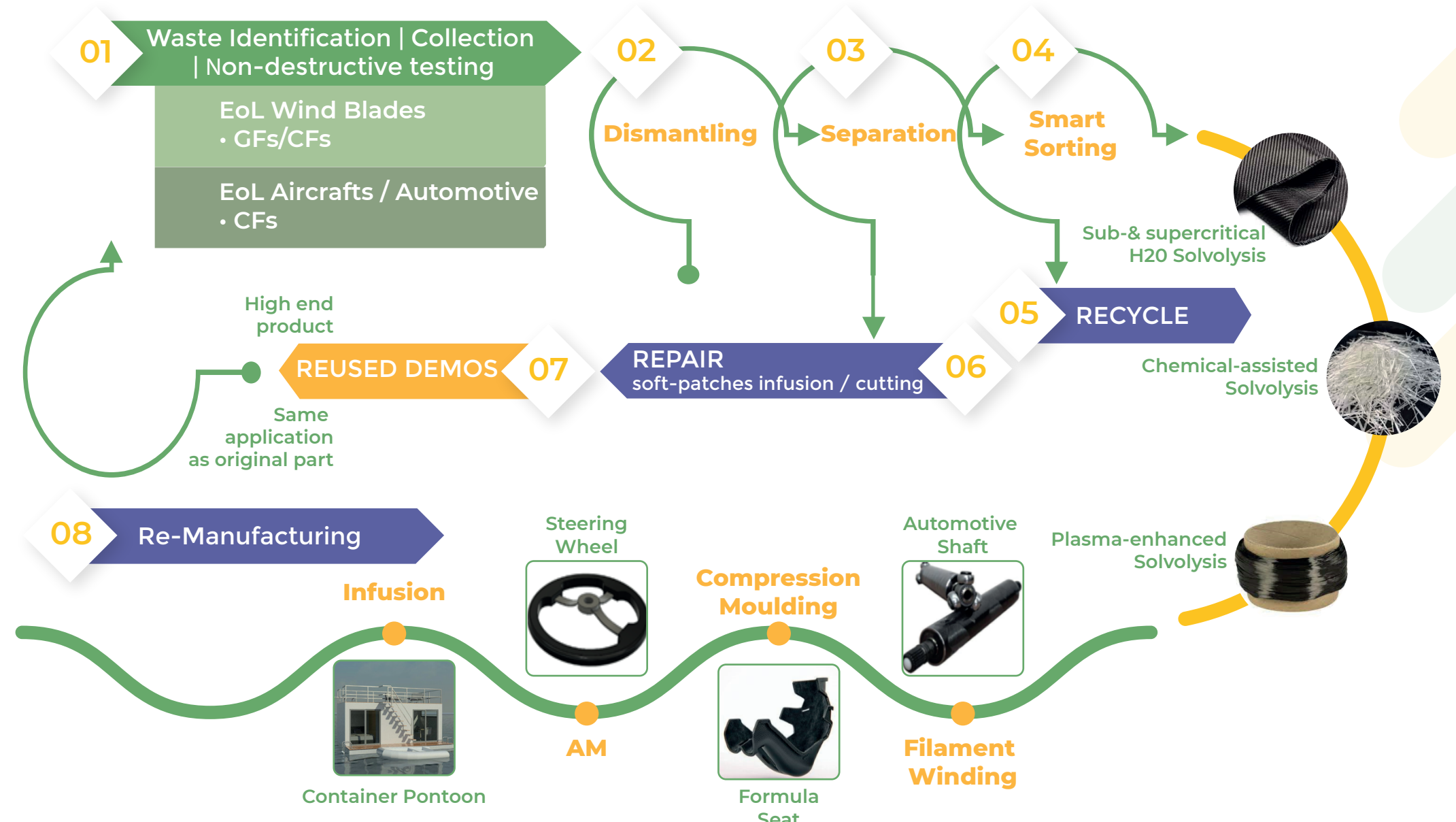
To develop and integrate novel solutions for a higher **reuse** of whole products and components (i.e. products' reusability, upgradability, etc)

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

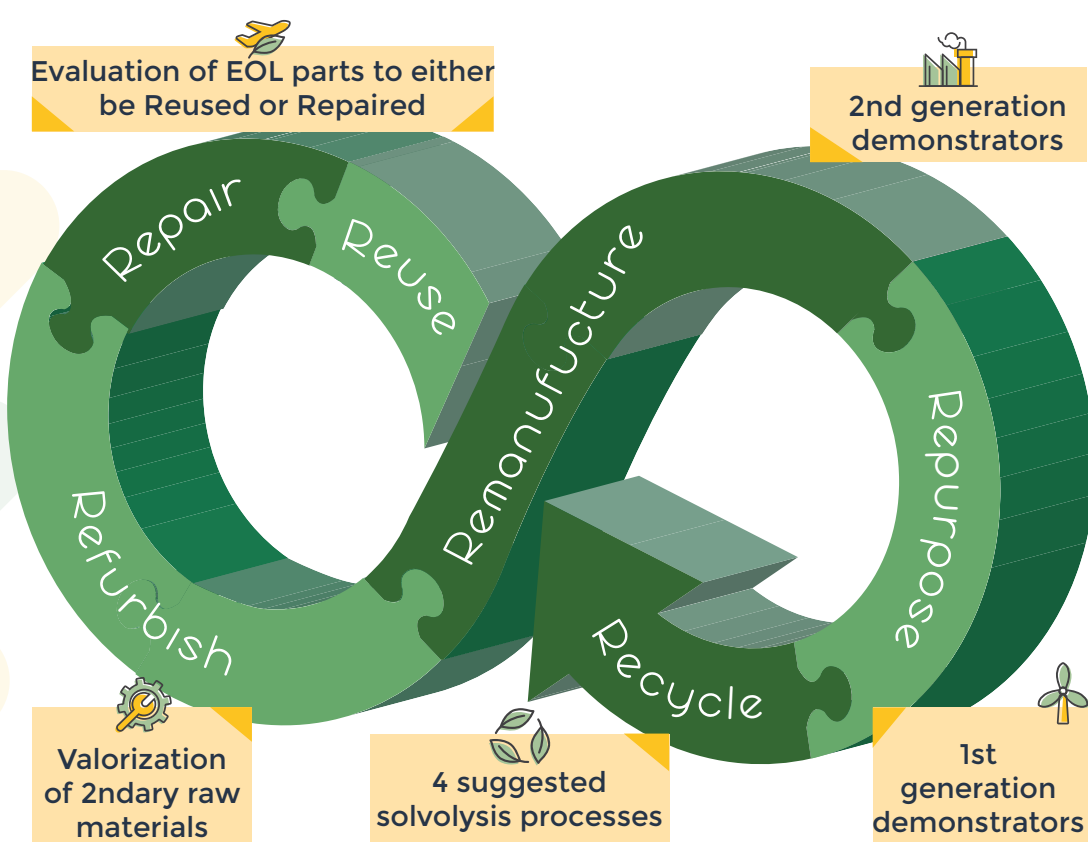
To develop tools to demonstrate the circularity and the **environmental benefits** of the solutions tested

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

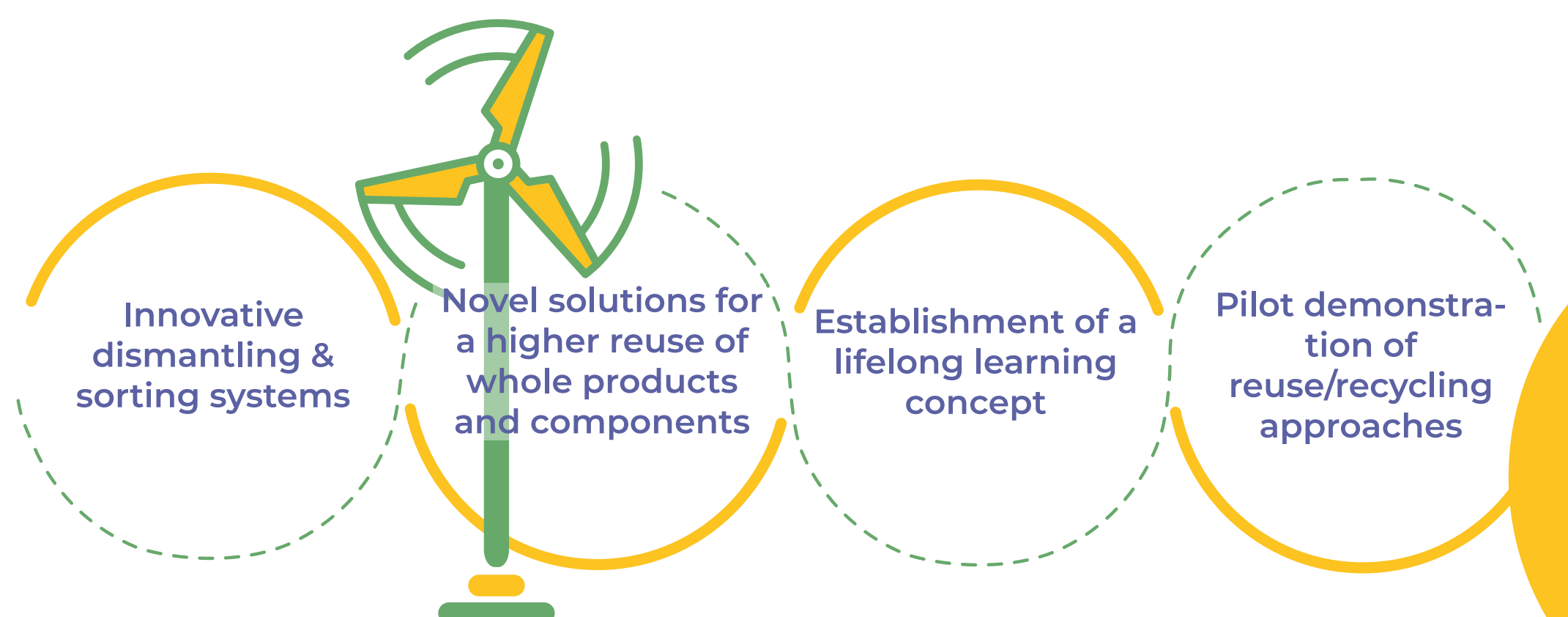
### PROJECT CONCEPT



### R6 STRATEGY



### KEY FEATURES



### OUR TEAM



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