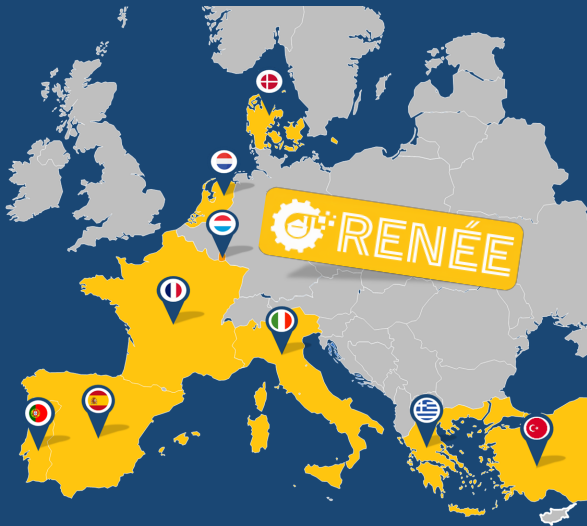


## CONSORTIUM

The EU-funded RENÉE project brings together 16 high-profile partners from 9 countries consisting of 8 research organizations, 1 robot provider, 2 software providers, 4 industrial partners, and 1 EU partnership



## PROJECT COORDINATOR



LABORATORY FOR MANUFACTURING  
SYSTEMS AND AUTOMATION (LMS),  
UNIVERSITY OF PATRAS

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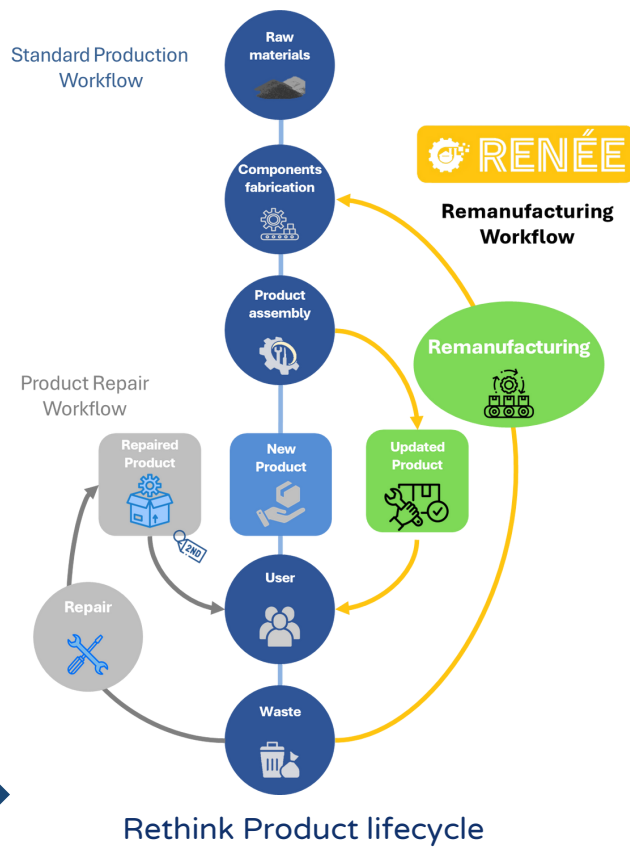


Flexible Remanufacturing  
Using AI and Advanced  
Robotics for Circular Value  
Chains in EU Industry



This project has received funding from the European Union's Horizon Europe Framework Programme under grant agreement n° 101138415.

[www.renee-project.eu/](http://www.renee-project.eu/)



## OBJECTIVES

- Achieve sustainable remanufacturing operations
- Maximize product and component reusability by enabling traceability
- Enable flexible processes able to handle one-of-a-kind remanufacturing operations
- Remanufacturing through human-centric process design
- Educational platform for skills development

## VISION

- 1 Circular Value Chains
- 2 AI & Advanced Robotics
- 3 Digital Infrastructure
- 4 Workforce Upskilling

## REMANUFACTURING CASES

The RENÉE solution will be validated in 4 pilots from different industrial sectors

Household Appliances



Robotics



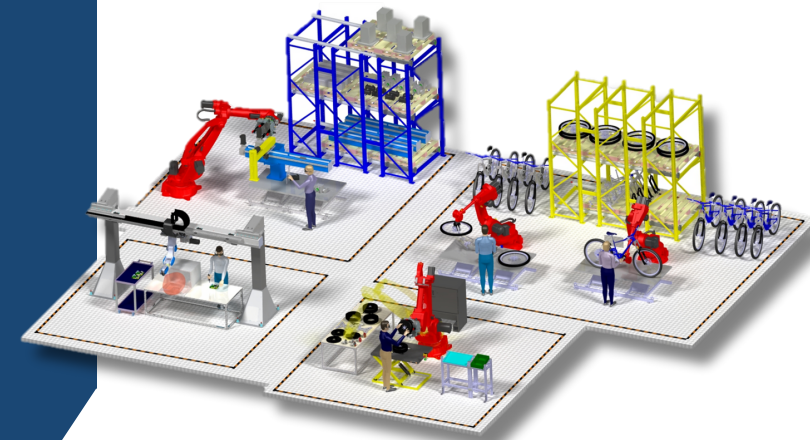
Electrical Motors



Bicycles



By implementing **digital remanufacturing** management tools and **flexible collaborative robotics**, the project aspires to transform industries into a beacon of sustainable and efficient production. This effort significantly contributes to the EU's goals for a **greener, digitally integrated future**.



Digital Remanufacturing Shopfloor