

The logo for R3-MYDAS is displayed in large, white, bold, sans-serif font. The '3' is stylized with a diagonal line through it. The background of the top section of the page features a green landscape with rolling hills and several wind turbines under a blue sky with light clouds. The logo is overlaid on a semi-transparent green circular shape.

R3-MYDAS

Newsletter 1

Article 1

First steps for the R3-MYDAS project on improving Remanufacturing



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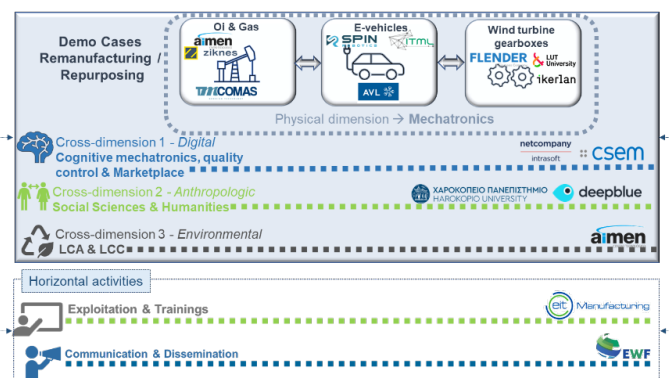
Newsletter 1

First steps for the R3-MYDAS project on improving remanufacturing

The R3-Mydas project kicked off in January 2024, aiming to address challenges in remanufacturing. Remanufacturing products is an effective means for transitioning to a more circular economy. However, there is a pressing need to improve the traceability and reliability of final products from the end-users' perspective, as well as to enhance impact monitoring.

R3-Mydas brings together an expert consortium to tackle the 3 challenging remanufacturing cases across 3 dimensions: digital, anthropologic and environmental.

R3-Mydas integrates innovative digital technologies, advanced mechatronics, and newly developed techniques from social sciences and humanities, to facilitate sustainable circular value chains for remanufacturing energy goods.



It aims to bring about significant functional, environmental, and economic improvements in remanufacturing at the factory level, with a focus on Oil & Gas components, e-vehicles batteries, and wind turbines gearboxes. Additionally, it will deliver a marketplace for both remanufactured products and services/components for remanufacturing, along with a training program for remanufacturing value chains.

For a project of this scale and ambition to succeed, the ground rules and processes have to be properly set up and communicated across the consortium: How will the quality management work? How deliverables and reports will be prepared? How to monitor and address the scope, costs and schedule issues in the project? How to handle changes that will inevitably be needed in this 3-year project? What tools to use to offer a modern engaging collaboration environment for the project teams? How will the project risk management work? How ethical issues will be addressed?

All the above questions are clearly not research challenges (!) but it is necessary to properly consider them. In R3-Mydas we quickly tackled them, preparing a project handbook (which will be maintained as a live document throughout the project lifecycle) and an ethics plan in January.

The project teams are already working in the 3 remanufacturing cases, the 3 dimensions and how to cross-work together. Stay tuned to see what they will achieve. To find out more about R3-Mydas, visit www.r3-mydas.eu.