

19th December 2024

Newsletter no.2

2nd Consortial Assembly:

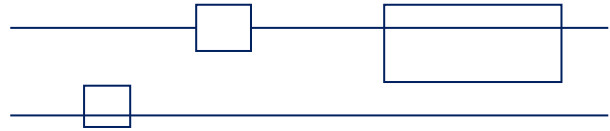
Darmstadt, 1st/2nd October 2024

The second consortial assembly of the RemaNet project was hosted by the Technical University Darmstadt in the mechanical engineering department (PTW <https://www.ptw.tu-darmstadt.de/>) on the Lichtwiese campus in Darmstadt, Germany. All partners gathered in the CiP (Center for industrial Productivity)-building to show and discuss the progresses within the project.



Presentations of project progress during the first day (Foto: PTW, TU Darmstadt)

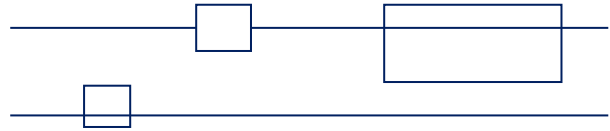
A good progress in the project is visible and the discussion about the platform reaches a higher level of concretisation. The complex topic needs this discussion of different ways how to involve various business model options and logistics of remanufacturing for specific parts or products. It needs to be guaranteed that different stakeholders in the value chain can easily interact on the platform. Thus, the software developers and the use case developers work closely together.



Lab-Tour in the facilities of PTW on the second day showing the different educational facilities for the mechanical engineering students (Foto: PTW, TU Darmstadt)

During the second day of the assembly, the four use cases were discussed from the viewpoint which steps and corresponding demands need to be integrated in the value chain on the platform. The individual cases require different steps of logistics, timing, testing, and remanufacturing techniques that need to be reflected by the platform. The business case for each remanufactured part is additionally involving different stakeholders. This shows the variability required for remanufacturing as a general business.

The intense discussion was followed by a lab tour through the facilities of PTW, which are focused on excellent education of students in mechanical engineering. A lot of new technologies are



included in the educational process and practical use cases for production management are available in larger scales.



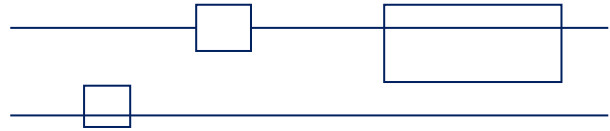
Lab-Tour and presentation of results from remanufacturing tests (Foto: PTW, TU Darmstadt)

1st RemaNet Stakeholder Meeting:

Augsburg (online), 3rd December 2024

The first stakeholder meeting was organized and hosted online to open the project to a wider audience of future stakeholders. The project was presented to the almost 40 participants from and especially outside the project by an AI-generated video and a discussion round with the project heads Paolo Albertelli and Massimo Goletti. By introducing the four use cases which stem from different industrial branches, the connection to the developed platform was demonstrated with concrete examples. Considering different business models and logistics necessary for these single examples, the flexibility requirements were nicely introduced and reveal the potential power of the platform for remanufacturing.

Stakeholders are invited to get in touch with the project as their contribution regarding their experience in this field is highly welcomed!



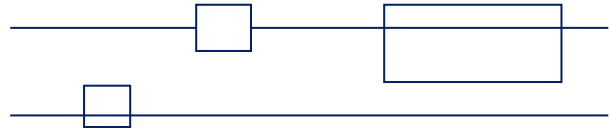
Upcoming: 3rd Consortial Assembly:

Mondragón, April 2025

Ideko and Mondragon University will host the next consortial general assembly to discuss progress and next steps. Yet, the program is not fixed, but there will be news about this!



Looking forward seeing each other in Mondragón!



RemaNet: A new European project to boost remanufacturing through digital innovation.

Remanufacturing is a process that restores used products or components to a "like-new" condition, offering substantial benefits in terms of resource efficiency, environmental impact, and economic value. However, remanufacturing is still not a widespread practice facing several challenges such as lack of standardization, data availability, and collaboration among different actors.

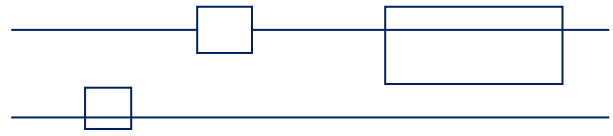
To address these issues, a new European project called RemaNet has been launched, with the aim of enabling a widespread dissemination of the concepts of remanufacturing, recycling, material saving and functional upgrading by implementing a digital platform able to extend the remanufacturing value chain.

RemaNet is funded by the European Union's Horizon programme and will run for 36 months, until December 2026. The project involves 25 partners from 8 countries, representing the entire remanufacturing value chain, including research institutions, technology providers, industrial end-users, and cluster-organisations.

The project's lead partner is the Department of mechanical engineering of the Politecnico di Milano (Polimi) - a leading technical Institute in Italy and Europe with a strong expertise in manufacturing engineering and digital technologies.

Other activities...

... we need your help and friendly assistance to fill the newsletter with interesting and exciting news for the subscribing supporters of the project! Please send any news to Dr. Stefan Riegg (stefan.riegg@umweltcluster.net). Thanks for your contribution!



Follow us online and on LinkedIn to learn more about our remanufacturing use cases, our digital platform, and our transferability potentials:

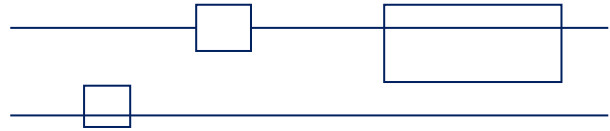
<https://www.linkedin.com/company/remanet-remanufacturing-network>

<https://www.remanet-project.eu>

<https://cordis.europa.eu/project/id/101138627>



Funded by
the European Union



Contacts:

Paolo Albertelli, RemaNet Project Coordinator, Politecnico di Milano, Milan, Italy

paolo.albertelli@polimi.it

Viktor Klein, RemaNet Communication and Dissemination Manager, Umweltcluster Bayern, Augsburg, Germany

viktor.klein@umweltcluster.net

Impress:

Stefan Riegg, RemaNet Dissemination and Data Manager, Umweltcluster Bayern, Augsburg, Germany, stefan.riegg@umweltcluster.net

Pictures: Media and PR of PTW, wikipedia

To subscribe, please register under: <https://forms.office.com/e/jFaEfKiH3w>

