

24th July 2024

# Newsletter no.1

## 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.

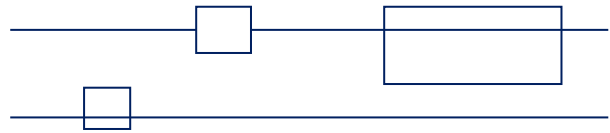
The project's lead partner is the Department of mechanical engineering of the Politecnico di Milano (Polimi) - a leading technical Institute in Italy and Europe with a strong expertise in manufacturing engineering and digital technologies.

### Consortium Kick-off:

*Milan, 6th March 2024*

The project kick-off meeting was hosted by Polimi in Milan on the 6th of March. The meeting brought together all partners and stakeholders to discuss the objectives, structure, and activities of the project.

Tool development organization for the platform as well as the usability for four different use cases were discussed. Transfer possibility to other cases will be developed, which will foster the remanufacturing industry in Europe in the long term.



The RemaNet consortium assessed how it will exchange with relevant stakeholders, such as policy makers, standardization agencies, industry associations, and potential end-users, to ensure the dissemination, exploitation, and sustainability of the project results.



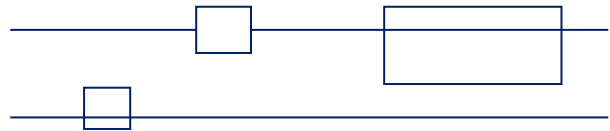
*Figure 1: A cheerful team celebrating the start of the RemaNet project (Foto: ViktorKleinUCB) Its main goals are to provide a standard for manufacturing and re-manufacturing with an integrated and easy-to-use infrastructure. The platform aims to foster a reliable and secure data flow, access, and use at all levels, from the shop floor and further along the value chain.*

RemaNet is expected to create outstanding impacts for the European manufacturing industry, such as increased competitiveness, resource efficiency, circularity, and innovation.

## RemaNet Presentation on WRS24:

*Milan, 12th/13th March 2024*

RemaNet successfully was part of the World Remanufacturing Summit WRS24 (<https://www.wrs2024.com/>) and was promoted to a great audience. The seed for our remanufacturing project has been planted and can now start to grow and bloom magnificently.



## Partner visit PTW at ZF REMAN Plant:

*Bielefeld, March 2024*

First visits of project partners have been performed by PTW from TU Darmstadt, who travelled to Bielefeld to the ZF REMAN plant. Interesting first remanufacturing ideas for the Use Case Automotive were assessed. We are looking forward to report on more visits and share their outcome via all channels available!

## Upcoming Consortial Assembly:

*Darmstadt, 1st/2nd October*

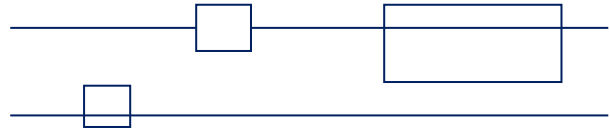
The TU Darmstadt will host the next consortial general assembly to discuss progress and next steps. Yet, the program is not fixed, but there will be news about this!



Looking forward seeing each other in Darmstadt!

## 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!



Have a great summer holiday season!

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>

Contacts:

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

[paolo.albertelli@polimi.it](mailto:paolo.albertelli@polimi.it)

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

[viktor.klein@umweltcluster.net](mailto:viktor.klein@umweltcluster.net)

Impress:

**Stefan Riegg**, RemaNet Dissemination and Data Manager, Umweltcluster Bayern, Augsburg, Germany, [stefan.riegg@umweltcluster.net](mailto:stefan.riegg@umweltcluster.net)

Pictures: ViktorKleinUCB, pixabay

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