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

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Factory-level and value chain approaches for remanufacturing
(Made in Europe Partnership) (IA)

D7.3: Dissemination, Communication & Networking activities – 1st version

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Executive Summary

This first version of the Dissemination, Communication (D&C) & Networking activities report (D7.3) outlines the comprehensive and multi-phase D&C strategy implemented by the RENÉE EU-funded project over the first 18 months. The strategy was designed to raise awareness, increase stakeholder engagement, and build a strong basis for the exploitation and market uptake of project results. Key activities included the development of core communication materials (website, logo, brochures, and project video templates), participation in major European manufacturing and robotics events, scientific dissemination through high-impact journals and conferences, targeted use case one-pagers, and strategic presence on social media platforms and partner websites.

The RENÉE EU-funded project has demonstrated robust outreach through both online and offline channels, such as LinkedIn campaigns, newsletters, traditional media articles, and clustering with other Horizon Europe projects. Individual D&C plans from all 16 partners have been actively implemented, tailored to each partner's role and audience. As RENÉE EU-funded project enters the pilot demonstration and exploitation phases (Stages 3 and 4), the D&C strategy is evolving to focus on showcasing demonstrator results, industrial replication, and supporting long-term visibility and uptake.

Disclaimer

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Abbreviations List

Abbreviation	Definition
AI	Artificial Intelligence
CIRP	International Academy for Production Engineering
D&C	Dissemination & Communication
DPP	Digital Product Passport
EMC	European Manufacturing Conference
ERF	European Robotics Forum
EU	European Union
GA	Grant Agreement
GEP	Gender Equality Plan
H&S	Health and Safety
IC	Impact Center
ICT	Information and Communication Technology
IP	Intellectual Property
IPR	Intellectual Property Rights
KPIs	Key Performance Indicators
PC	Project Coordinator
R&D	Research and Development
SE	South East
TTRAC	Twin-Transition Cluster
UI	User Interface
UX	User Experience
WP	Work Package

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1 Introduction

This document is a public deliverable that provides updates on the D&C activities until the end of the RENÉE EU-funded project (GA 101138415). Deliverable D7.3 provides a comprehensive overview of the dissemination, communication and networking activities carried out during the first 18 months of the RENÉE EU-funded project (RENÉE from now on). Effective communication and stakeholder engagement are central to RENEE's objectives, ensuring that the project's vision, progress, and outcomes reach a wide audience in an informative and engaging manner. Building on the strategy presented in D7.1 "Dissemination, Communication & Networking activities" (M6), this deliverable serves as an updated report, outlining the implementation of the plan to date. It highlights the tools, channels, and approaches used, as well as the results achieved so far, with an emphasis on collaboration and visibility within and beyond the consortium.

1.1 Purpose

The dissemination and communication activities in the RENÉE project aim to achieve the following objectives:

- Effectively communicate the project's vision, progress, and key results to relevant stakeholders through targeted strategies and suitable communication channels.
- Engage with existing networks and communities related to RENEE's thematic areas, sharing project outcomes, collecting feedback, and integrating insights where appropriate.
- Contribute to the scientific community through the publication of high-quality research outputs that reflect the project's findings.
- Foster collaboration with other European projects, initiatives, and stakeholder groups working in similar or complementary areas.
- Participate in relevant European and international events, such as conferences, workshops, and seminars, to promote project achievements and pave the way for future uptake and exploitation.

Identify relevant standards applicable to the project's technologies and approaches and explore opportunities for alignment or contribution to standardization efforts.

1.2 Structure of deliverable

This deliverable is structured into seven main sections and an annex, providing a comprehensive overview of RENÉE's dissemination, communication, and networking activities. It begins with an introduction to the purpose and scope of the document, followed by the project's overarching D&C strategy, including audience targeting and communication channels. The third section details the implemented activities and their sustainability, such as website development, social media outreach, publications, and event participation. Section four highlights RENÉE's involvement in external networking and clustering actions. Section five presents individual D&C plans for each of the 16 project partners. The sixth section outlines upcoming actions for Stages 3 and 4, focusing on pilot promotion and result exploitation, while the final section provides the project's overall conclusions. The annex includes supplementary materials supporting the deliverable content.

2 The Dissemination & Communication Strategy

2.1 RENÉE Dissemination & Communication Strategy

RENÉE's Dissemination and Communication Strategy and Roadmap are presented in Figure 1. This roadmap outlines the phased approach adopted for dissemination and communication activities throughout the project lifecycle. The strategy is divided into four key stages, each aligned with specific objectives, methods, and leading partners.

At the current stage (M18 milestone), RENÉE is transitioning from the awareness-raising and initial engagement phases into the demonstration and promotion phase. Activities are focused on showcasing complete pilot cases, promoting results in relevant domains, and supporting exploitation efforts through updated materials such as visual content, newsletters, and targeted events.

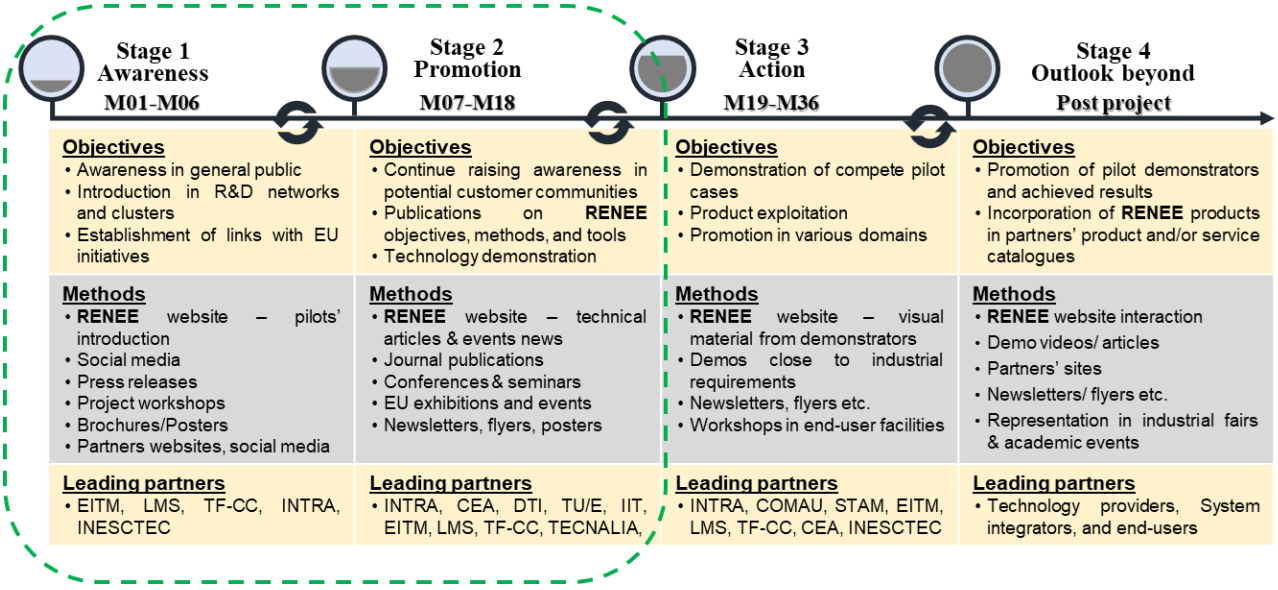


Figure 1: RENÉE's Dissemination & Communication Strategy

2.2 Overall Set-Up

This section outlines the focus of RENEE's dissemination and communication (D&C) strategy, including the main communication channels and the key target audiences.

GOALS:

The RENÉE project aims to raise awareness and foster adoption of the project's outcomes by engaging relevant stakeholders in the areas of smart manufacturing, energy efficiency, circular economy, and data-driven innovation. The dissemination and communication strategy focuses on promoting the project's vision, activities, and results to both technical and non-technical audiences, supporting exploitation and replication.

CORE MESSAGE:

RENÉE aims to accelerate the uptake of innovative, resilient, and sustainable solutions across industrial sectors by enabling smarter energy use, circular value chains, and interconnected digital ecosystems. Through demonstrators, use cases, and collaboration across countries and sectors, RENÉE brings together technology providers, industrial partners, and research institutions to advance the European agenda for industrial decarbonization, digitization, and resilience. The project offers actionable pathways for industries to integrate sustainable practices and technologies, aligning with broader EU policy goals.

FOCUS:

The communication strategy emphasizes multi-level engagement, ranging from scientific dissemination to broader awareness campaigns. This includes peer-reviewed publications, media releases, stakeholder workshops, newsletters, and participation in relevant EU and international events. Focus is placed on engaging early adopters, end-users, regulators, and policymakers who can support the uptake and long-term impact of RENÉE outcomes.

These categories will guide RENÉE's engagement strategy as the project evolves. During the current phase (M18 milestone), communication efforts are being intensified with key stakeholder groups such as industrial partners, policy actors, and EU-level initiatives. These actors are critical to ensuring both the relevance of RENÉE solutions and their integration into broader industrial and regulatory frameworks. As the project moves forward, the mapping will be revisited and refined to support targeted dissemination and maximize the visibility and impact of project results.

2.3 Main Audience and Stakeholders for Dissemination and Communication

The RENÉE consortium's dissemination and communication strategy is designed to reach a wide variety of audiences to ensure the project's outcomes are broadly shared and effectively used, as outlined in Table 1. Key target groups include industries such as robotics, household appliances, bicycles, and electromobility—encompassing stakeholders, end users, material suppliers, and industry associations—who are engaged for the commercial uptake of project results and clustering activities under WP7. The ICT sector, including technology providers and relevant associations, is another focus, aiming to support the development of new remanufacturing services and improve the interoperability of digital tools. The scientific community, including researchers from universities, R&D institutions, and academic societies, is targeted to foster knowledge sharing and collaborative opportunities. Citizens and the wider civil society are addressed to build public awareness and support for the project's goals. Policymakers and funding institutions at all levels (local, national, and EU) are provided with compelling evidence to inform policy development and promote new initiatives in remanufacturing. Lastly, media professionals, journalists, and other European-level stakeholders are engaged to shape public perception of the remanufacturing sector and ensure broad visibility of the project. Each audience receives customized key messages, including core results, performance improvements, and communication materials tailored to their interests.

Target Audience	Aim	Key Messages
Industries (Robotics, Household equipment, Bicycles, Electromobility) • Stakeholders and end users • Material providers • Industry associations and representatives	Final users of RENÉE's result Commercial exploitation Project involvement Clustering via WP7	Main results and experience from pilots Improved performance, social and environmental indicators Economic, investment & cost analysis
ICT Industry • Technology providers • Associations and representatives	New range of services in Remanufacturing Commercial exploitation Open and flexible methodologies for interoperability of ICT tools	Main results and experience reports from the pilots Available materials/services and knowledge generated
Scientific Audience • Researchers • R&D centres • Scientific Societies/federations/ academies	Enhanced scientific knowledge R&D cooperation and promotion Clustering via WP7	Increase data available for research Main results shared in relevant EU projects
Citizens and civil society	General awareness Social acceptance	Community Engagement Strategies Social Awareness plan Local engagement plan
Policy makers and funding bodies (Government, Regulatory agencies) at **local, national and EU level**	Provide strong evidence to establish new policies, initiatives, and roadmaps for remanufacturing	Improved performance, Health & Safety (H&S), social and environmental indicators Raise awareness
Media, journalists, and other groups at European level	General awareness Improved perception of the remanufacturing industry	Improved performance, social and environmental indicators Available materials/services for communication purposes

Table 1: Target Audience, Aim and Key Messages of RENÉE's D&C activities

2.4 Dissemination and Communication Channels and Activities

Table 2 outlines the comprehensive communication and dissemination strategy for the RENÉE project. It identifies the key channels that will be used to maximize the project's visibility, engage

target stakeholders, and ensure effective knowledge transfer throughout the project's lifecycle. Each channel is matched with a clear description of its purpose and function, as well as the corresponding timeline for implementation. The strategy incorporates both scientific and non-scientific means of outreach, ranging from social media and press releases to scientific publications, newsletters, and participation in conferences and events. The goal is to create continuous engagement with a broad audience, including the public, policymakers, industry actors, and the research community, ensuring wide-scale impact and awareness of RENEE's objectives and results.

Channel	Description	Timeline
Social Media	Launch and manage project accounts; share partner updates and insights to build awareness around RENEE's goals and innovations.	M1–M48
Website	Central hub for updates, deliverables, partner profiles, event details, and lay summaries of scientific results in a user-friendly format.	M1–M48
Scientific Publications	Publish peer-reviewed articles and open-access content to disseminate technical findings and policy recommendations related to energy systems.	M12–M48
Press Releases	Distribute milestone-based updates to general and specialized media, highlighting major achievements and collaborations.	M12–M48
Events and Conferences	Participate in and organize events to present RENEE findings, foster collaboration, and connect with other EU initiatives and key stakeholders.	M6–M48
Marketing Material	Design non-technical flyers, videos, posters, and infographics to support visibility and engagement, especially at stakeholder events and exhibitions.	M3–M48
Newsletter	Disseminate updates quarterly to a broad audience of followers, stakeholders, and policymakers via digital newsletters highlighting RENEE progress.	M6/M18/M24/M36

Table 2: RENEE's Dissemination and Communication Channels and Activities

2.4.1 Communication Material

The project website has been recently updated to enhance accessibility and visibility of key dissemination and communication materials. A new "Library" tab has been added to the main navigation menu, where visitors can now easily access and download the project's communication materials, including the brochure, poster, and roll-up banner (Figure 2). This section supports broader dissemination efforts and ensures stakeholders, and the public can engage with RENÉE's objectives and activities in a clear and visually impactful format.

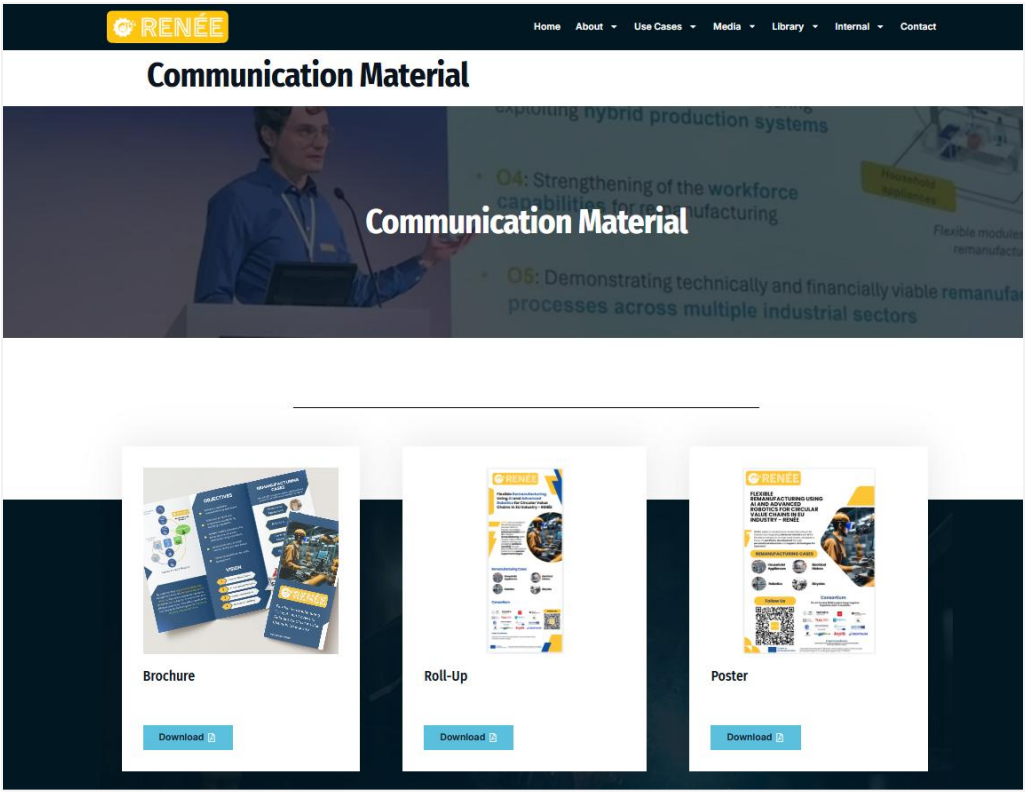


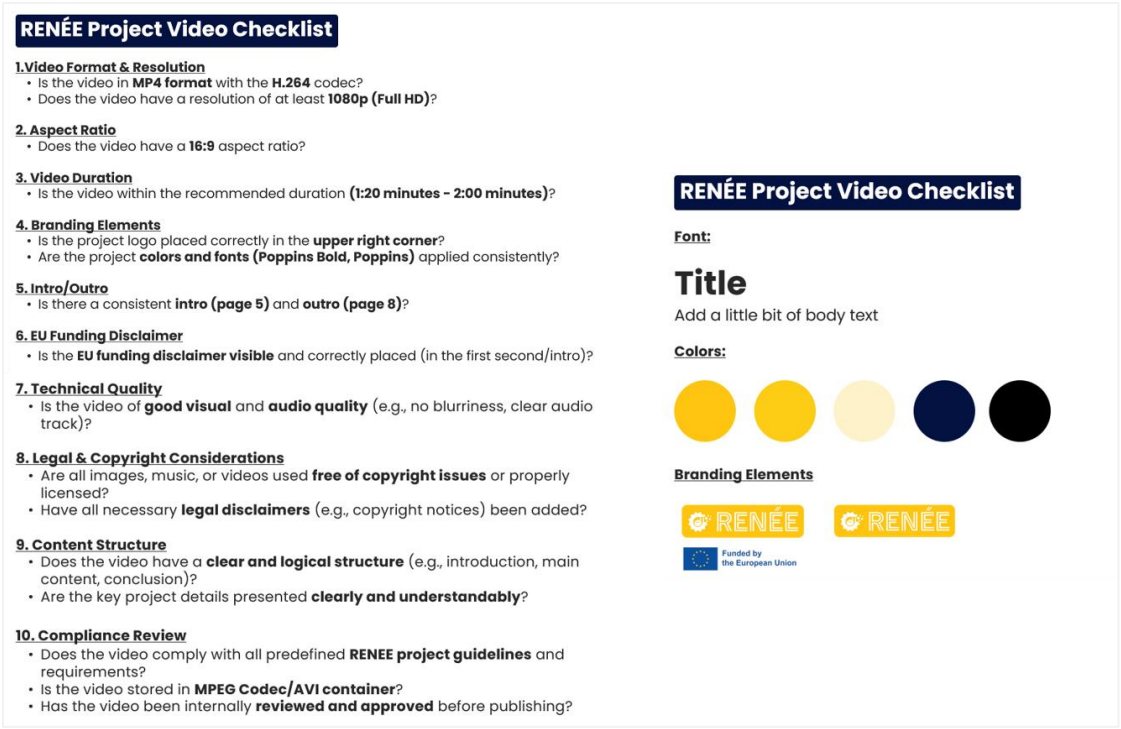
Figure 2: RENÉE Communication Material

2.5 Project Demo Deliverables Guidelines

To ensure consistency, quality, and alignment across all project-related video outputs, a list with dedicated guidelines and templates for Project Demo Deliverables has been developed (Figure 3). This resource complements the RENÉE project video checklist and provides clear instructions on visual identity, structure, and technical specifications required for demo videos.

The template includes:

- **Standardized video formatting requirements**, including resolution, aspect ratio, and duration.
- **Visual branding elements**, such as placement of the RENÉE's logo and use of project fonts and colors.
- **Intro/outro templates** aligned with the RENÉE branding.
- **Instructions for including the EU funding disclaimer** at the correct timing and placement.
- **Content guidelines** that ensure each video presents key project components in a clear, logical, and impactful way.



RENÉE Project Video Checklist

1.Video Format & Resolution
- Is the video in **MP4 format** with the **H.264** codec?
- Does the video have a resolution of at least **1080p (Full HD)**?

2. Aspect Ratio
- Does the video have a **16:9** aspect ratio?

3. Video Duration
- Is the video within the recommended duration **(1:20 minutes - 2:00 minutes)**?

4. Branding Elements
- Is the project logo placed correctly in the **upper right corner**?
- Are the project **colors and fonts (Poppins Bold, Poppins)** applied consistently?

5. Intro/Outro
- Is there a consistent **intro (page 5)** and **outro (page 8)**?

6. EU Funding Disclaimer
- Is the **EU funding disclaimer visible** and correctly placed (in the first second/intro)?

7. Technical Quality
- Is the video of **good visual** and **audio quality** (e.g., no blurriness, clear audio track)?

8. Legal & Copyright Considerations
- Are all images, music, or videos used **free of copyright issues** or properly licensed?
- Have all necessary **legal disclaimers** (e.g., copyright notices) been added?

9. Content Structure
- Does the video have a **clear and logical structure** (e.g., introduction, main content, conclusion)?
- Are the key project details presented **clearly and understandably**?

10. Compliance Review
- Does the video comply with all predefined **RENEE project guidelines** and requirements?
- Is the video stored in **MPEG Codec/AVI container**?
- Has the video been internally **reviewed and approved** before publishing?

RENÉE Project Video Checklist

Font:

Title

Add a little bit of body text

Colors:

Branding Elements

RENÉE RENÉE

Funded by the European Union

Figure 3: RENÉE EU funded project video checklist

This template is mandatory for all partners submitting video deliverables and is intended to streamline the creation process, uphold quality standards, and facilitate consistent dissemination of project outcomes. All demo videos must undergo an internal compliance review before being finalized and published (Figure 4).

RENÉE Project Video Checklist	
1.Video Format & Resolution	
2. Aspect Ratio	
3. Video Duration	
4. Branding Elements	
5. Intro/Outro	
6. EU Funding Disclaimer	
7. Technical Quality	
8. Legal & Copyright Considerations	
9. Content Structure	
10. Compliance Review	

Figure 4: RENÉE EU funded project compliance review template

3 Dissemination & Communication Activities and their Sustainability

The core objectives of the RENÉE's dissemination strategy are to promote project outcomes, maximize opportunities for exploitation, encourage technology transfer, and ensure a steady flow of updated information. These goals are targeted through a range of actions, including participation in conferences, strategic collaborations, and the publication of scientific papers. A strong online and offline presence is also being established to further reinforce dissemination and communication efforts. Active collaboration among all project partners is fundamental to achieving successful dissemination. All beneficiaries are required to exploit their results through:

(a) Further research activities beyond the scope of the project;
(b) Development, creation, or commercialization of new products or processes;
(c) Delivery of services;
(d) Engagement in standardization initiatives.

Additionally, each partner is obligated to disseminate their results promptly by making them publicly accessible through appropriate channels, such as scientific publications. The following sections provide a detailed overview of the dissemination activities carried out under the RENÉE Project.

3.1 Project Repository

RENÉE will follow the green' open access policy (self-archiving) for data such as: a) Project deliverables that have already been marked as public and will be free for download by the project portal, b) Raw data generated by experiments, after filtering of end-user sensitive data, using data anonymization procedures, c) S/W prototypes that are created in open access platforms and can be used for testing or further development and b) Full text conference papers submitted to open access events along with links to the event download webpages. RENÉE uses Zenodo that is a general-purpose open-access repository developed by OpenAir and supported by the EC.

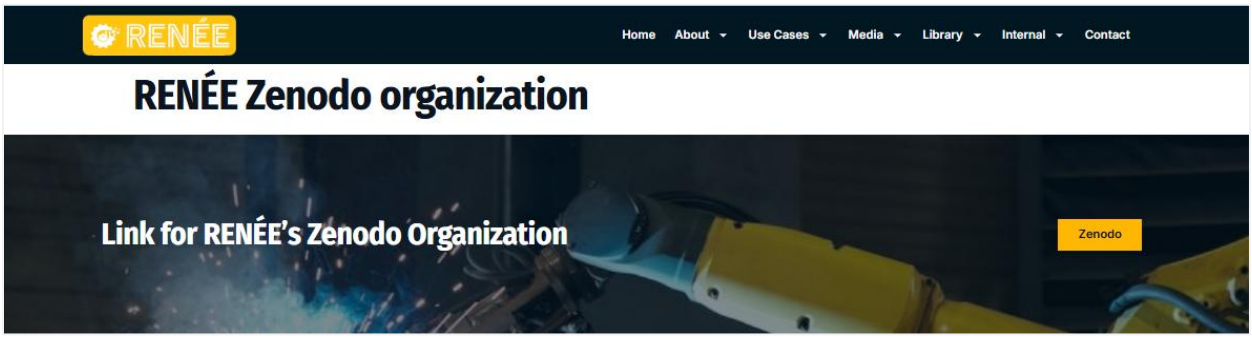


Figure 5: RENÉE Project compliance review template

3.2 RENÉE Logo

The project logo (Figure 6) serves as the primary method of dissemination and has significant importance in D&C activities as it serves as the principal identifier of the project. It incorporates the project's name along with its key components, namely the stage of design for remanufacturing, in terms of a disassembled industrial component like a gear. It is recommended that all dissemination materials incorporate the project logo whenever feasible. However, the use of the logo on photographic backgrounds should be avoided. Each partner is responsible for ensuring that the logo always maintains clarity and legibility.

Figure 6: RENÉE's project logo

3.3 Project Website

The RENÉE project website, launched in the first month of the project (M1), is publicly accessible at: https://renee-project.eu (see Figure 7). Designed with a clear and user-friendly layout, the website offers a comprehensive overview of the RENÉE project, including its vision, objectives, structure, and the use cases where the final solution will be demonstrated. It also features information about the consortium partners, the solutions being developed, and a range of publicly available resources such as press releases, deliverables, publications, and other relevant materials. Visitors can also find up-to-date information on project news, activities, and upcoming events. To enhance visibility and outreach, the website is connected to key social media platforms (as detailed in Section 3.5) and to several partner websites. This supports broader dissemination efforts and helps reach a wider audience beyond the core consortium. Between M6 and M18, the website underwent several updates, including content revisions in various sections and updates to the background visuals, ensuring it remains current and aligned with the project's progress and communication needs.

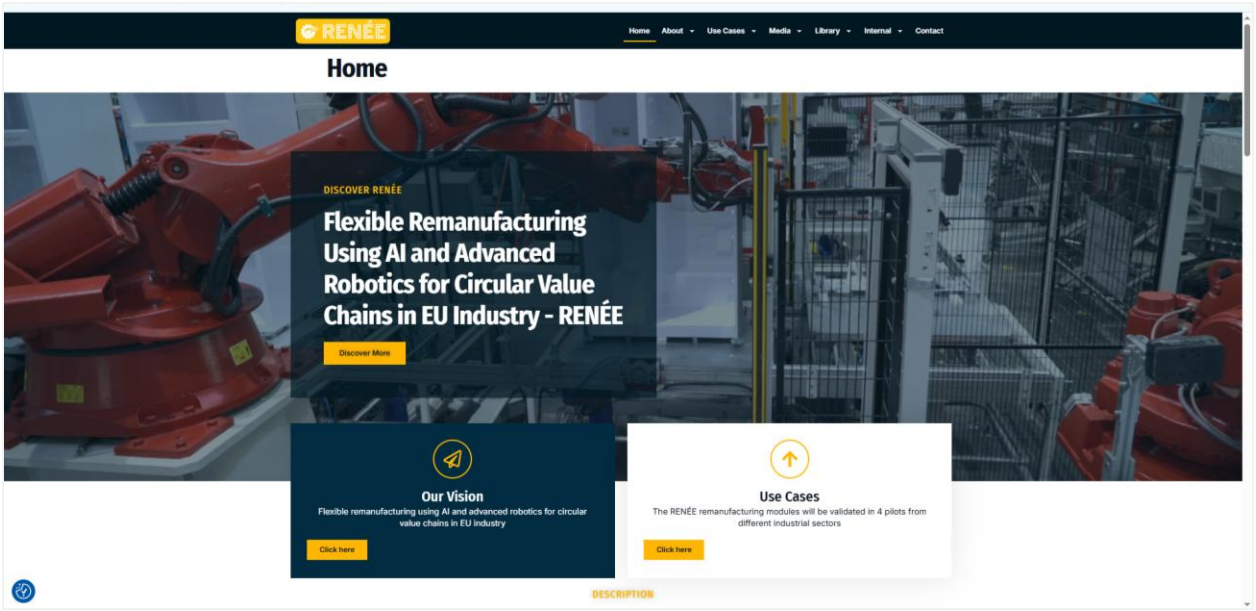


Figure 7: RENÉE website homepage

Figure 8 is a screenshot of the Library section on the RENÉE project website, showcasing access to public deliverables, publications, and communication materials such as brochures and posters. The menu structure allows for easy navigation and download of key project outputs.

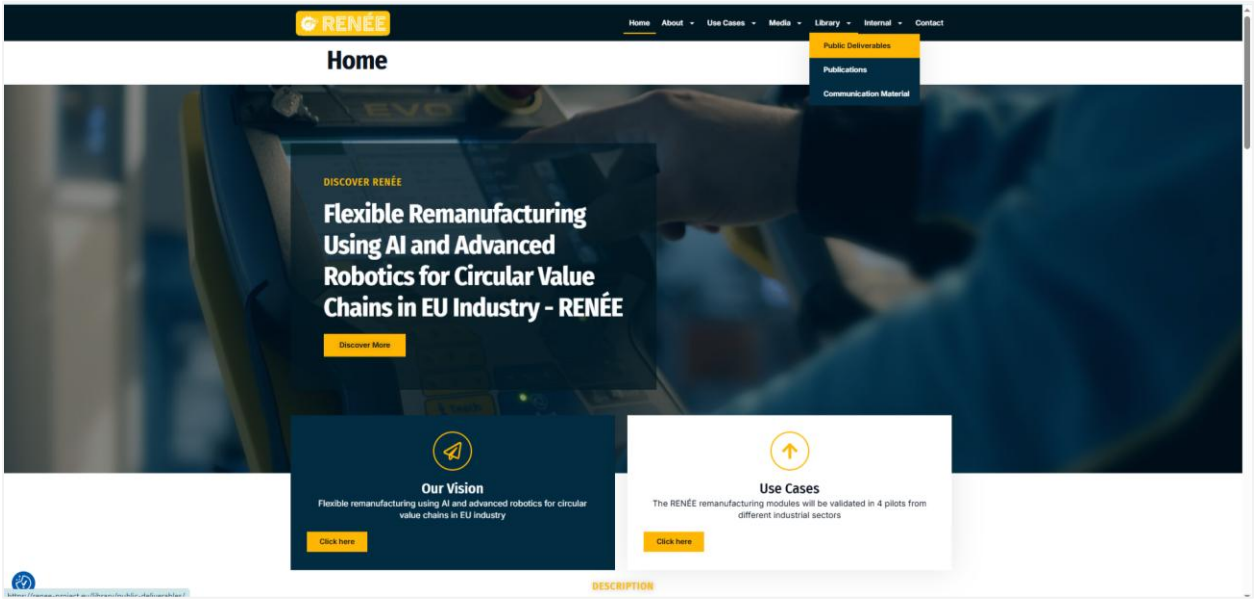


Figure 8: RENÉE website homepage – Library section

3.4 RENÉE Use Cases One Pagers

To support targeted dissemination and stakeholder engagement, the RENÉE consortium developed a series of visually engaging one-pagers, each highlighting one of the four industrial pilot use cases.

These concise communication tools are designed to present RENÉE's goals, technical innovations, and expected impact in an accessible and sector-specific format. The one-pagers have been disseminated through events, partner networks, and the project website.

Each one-pager includes:

- Pilot description and industrial partner information;
- Challenges currently faced in the specific remanufacturing domain;
- The proposed remanufacturing business model enabled through RENÉE;
- A summary of RENÉE technology advancements specific to each pilot;
- A clear overview of the expected impacts on performance, sustainability, and efficiency.

The four one-pagers cover the following use cases:

1. **Remanufacturing of Electric Motors** – *Partner: EMOTORS*

   Focused on extending life and reducing the environmental impact of EV motors through AI-driven diagnostics and human-robot collaborative disassembly.

2. **Remanufacturing of Refrigerators** – *Partner: Arçelik*

   Emphasizes the transition from resale to sustainable remanufacturing using smart AI and ergonomic collaborative systems.

3. **Remanufacturing of Cartesian Robots** – *Partner: Campetella*

   Highlights automation in cleaning and disassembly, supported by digital twins for enhanced traceability and efficiency.

4. **Remanufacturing of Bicycles** – *Partner: Decathlon*

   Focuses on smart systems for quality assessment and traceability of used bicycle parts, supporting reuse and refurbishment.

These materials have proven effective in raising awareness of RENÉE's strategic objectives among stakeholders in manufacturing, sustainability, and digital innovation. The one-pagers also serve as practical tools for presentations, exhibitions, and policy-level discussions.

Digital versions are available on the project website: Use Cases - RENÉE

3.5 RENÉE Social Media Channels

Table 3 presents the primary online dissemination and communication channels established for the RENÉE project, including the official website, social media accounts (LinkedIn, Facebook, YouTube), and the Zenodo repository for open-access publication and data sharing. Each entry lists the associated URL and the partner responsible for its management. Based on discussions within the TTRAC cluster (EU Funded projects under the same call, presented in the next section), it was collectively decided to deactivate the X (formerly Twitter) account for the time being.

Means of D&C	URL	Responsible
Website	https://renee-project.eu/	EIT M SE
LinkedIn	https://www.linkedin.com/company/ren%C3%A9eeuproject/?viewAsMember=true	EIT M SE
Facebook	https://www.facebook.com/profile.php?id=61556142621965	EIT M SE
YouTube	https://www.youtube.com/channel/UCVI5WIkwVmMe6pPMii8eepw	EIT M SE
Zenodo	https://zenodo.org/communities/renee-eu/records?q=&l=list&p=1&s=10&sort=newest	LMS

Table 3: RENÉE's means of D&C with corresponding URL and responsible partner

3.5.1 LinkedIn

RENÉE's LinkedIn profile (Figure 9) page can be found at the following link.

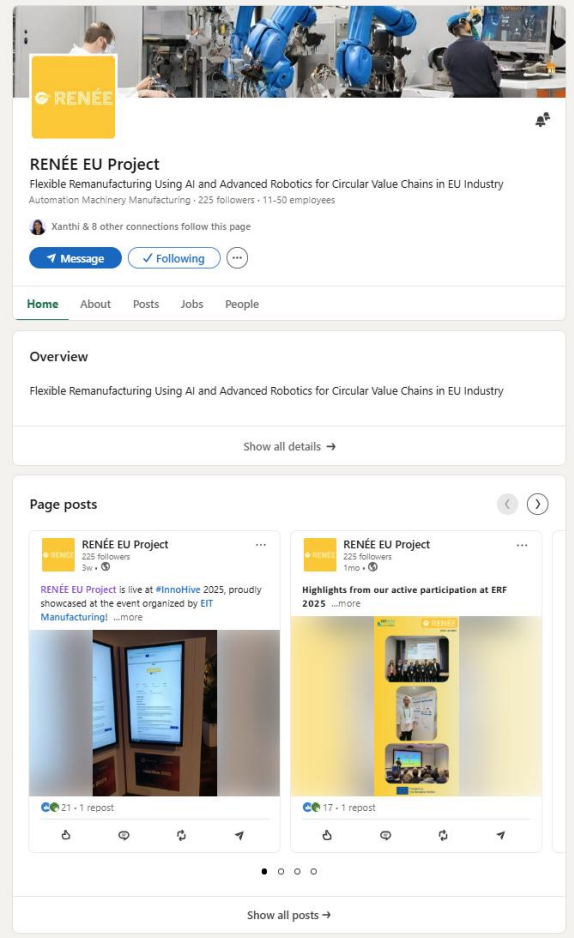


Figure 9: RENÉE LinkedIn profile page

3.5.2 Facebook

RENÉE's Facebook profile (Figure 10) page can be found at the following link.

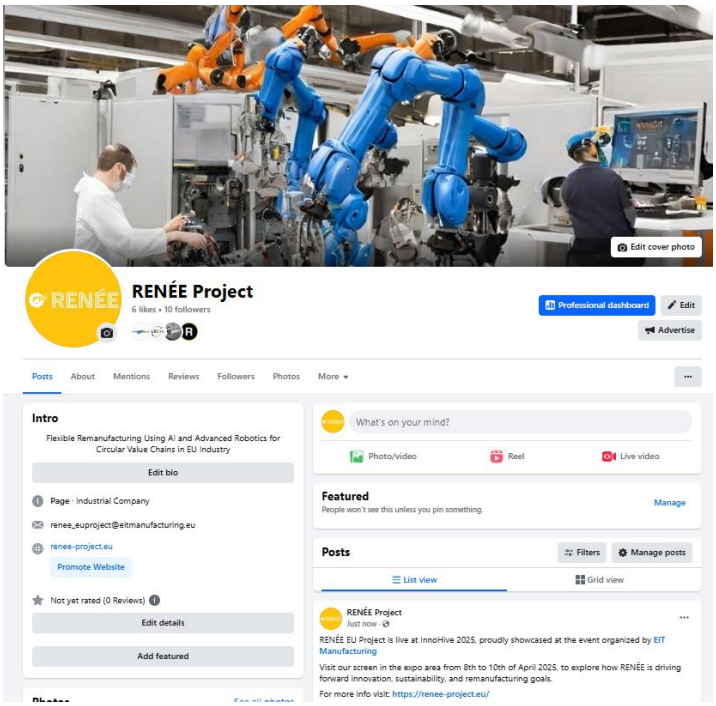


Figure 10: RENÉE Facebook profile page

3.5.3 YouTube

RENÉE's YouTube profile (Figure 11) page can be found at the following link.

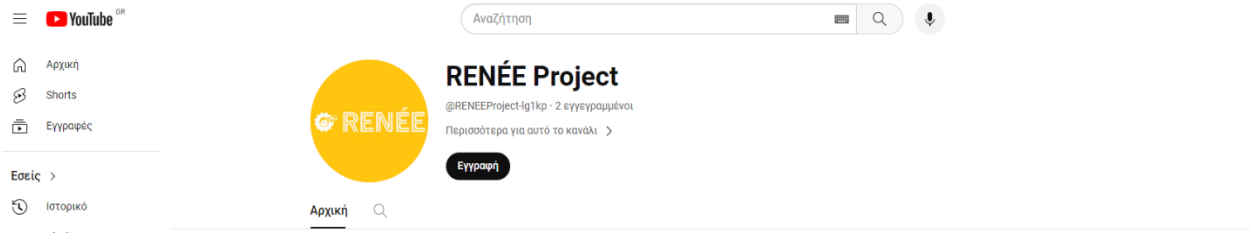


Figure 11: RENÉE YouTube profile page

3.6 Technical Articles & Reports

3.6.1 EFFRA Article on RENÉE Project

On January 15, 2025 (M12), the European Factories of the Future Research Association (EFFRA) published an article titled *"RENÉE: Advancing Flexible, Human-Centric Remanufacturing"* on its official website. This publication serves as a significant dissemination milestone for the RENÉE project, highlighting its objectives, innovative approaches, and anticipated impact on sustainable

manufacturing practices. The article provides an overview of RENÉE's mission to address challenges in remanufacturing, such as resource scarcity and environmental impact, by integrating advanced solutions like Artificial Intelligence (AI), robotics, and digital infrastructures. It outlines the project's five key pillars: Sustainable Remanufacturing Operations, Digital Infrastructure, Cognitive Robotics, Workforce Development, and Industrial Pilot Cases across sectors including e-mobility, household appliances, robotics, and bicycles. By featuring on EFFRA's platform, the article enhances the project's visibility within the European manufacturing research community and aligns with the D&C strategy's objectives to disseminate information through reputable channels. The publication contributes to raising awareness about RENÉE's efforts in promoting circular economy principles and supports stakeholder engagement across industry and academia.

Link to the article: https://www.effra.eu/news/renee-advancing-flexible-human-centric-remanufacturing/

3.6.2 Articles in Technical Magazines

Table 4 provides an indicative list of relevant traditional media outlets and specialized magazines across several European countries that focus on manufacturing, industry, innovation, and digital transformation. These platforms are valuable for monitoring trends, promoting results, and engaging with sector-specific audiences. This list will be periodically updated to reflect the evolving media landscape and ensure continued relevance to project communication and dissemination activities.

Country	Magazine	Focus Area	Link
Greece	Manufacturing Moulding	Smart manufacturing, automation, innovation, Industry 4.0 technologies, circular economy	Link
Türkiye	ST Endüstri Medya	Industry 4.0, automation, robotics	Link
	TOSB Magazine	Automotive supply chain, circular practices	Link
	MM (Makina Market)	Machinery, advanced manufacturing	Link
Italy	Automazione Industriale	Industrial automation, robotics, AI	Link
	Industria Italiana	Industry 4.0, smart factories, circularity	Link
	Renewable Matter	Circular economy, sustainable industrial transformation	Link

Country	Magazine	Focus Area	Link
Spain	Interempresas – Industria Section	Manufacturing, circular economy, industrial tech	Link
	Automática e Instrumentación	Automation, control systems, AI	Link
Portugal	Robótica Magazine	Robotics, smart industry	Link
Luxembourg	Techsense	Innovation, AI, smart industry (digital publication)	Link
Denmark	DR, Automatik & Proces- Teknisk Udvikling, Ingeniøren, Metal Supply, Computerworld, Alt om Teknik, Metal Supply, Electronic Supply, Automatik & Proces, Jern & Maskinindustrien ElektronikFOKUS, Erhvervsmagasinet SCM, TekniskFOKUS, LTL.dk, Packmarkedet, Via Ritzau	Robotics, digitalization, green manufacturing	Link
France	Industrie & Technologies	Robotics, industrial AI, automation	Link
	Environnement Magazine	Green industry, circular economy	Link

Table 4. RENÉE's indicative list of relevant traditional media outlets and specialized magazines

3.6.3 Project Promotion via Partner Website

DTI

As part of the dissemination activities under the RENÉE EU funded project, the Danish Technological Institute (DTI), published a series of articles on its official website and affiliated media platforms to highlight the project's mission and impact. DTI published a feature article titled **"AI and Robots to Extend Product Lifetimes"** (translated from Danish: *"AI og robotter skal forlænge produkters levetid"*), showcasing RENÉE's contribution to remanufacturing and circular economy within the context of advanced manufacturing (Figure 12). The article was cross-posted on:

- **DTI's official website**: Reaching a broad audience of industrial stakeholders, researchers, and policy actors in Denmark.
- **ElektronikFOKUS.dk**: A specialized Danish media outlet for electronics and manufacturing, further extending the visibility of RENÉE among practitioners and innovation actors in the electronics and production technology sectors.

The articles emphasize how RENÉE leverages artificial intelligence and robotics to support remanufacturing processes, reduce waste, and prolong product life cycles. DTI's communication also focused on the strategic importance of sustainable and circular manufacturing for European industry, aligning RENÉE with national and EU-level priorities.

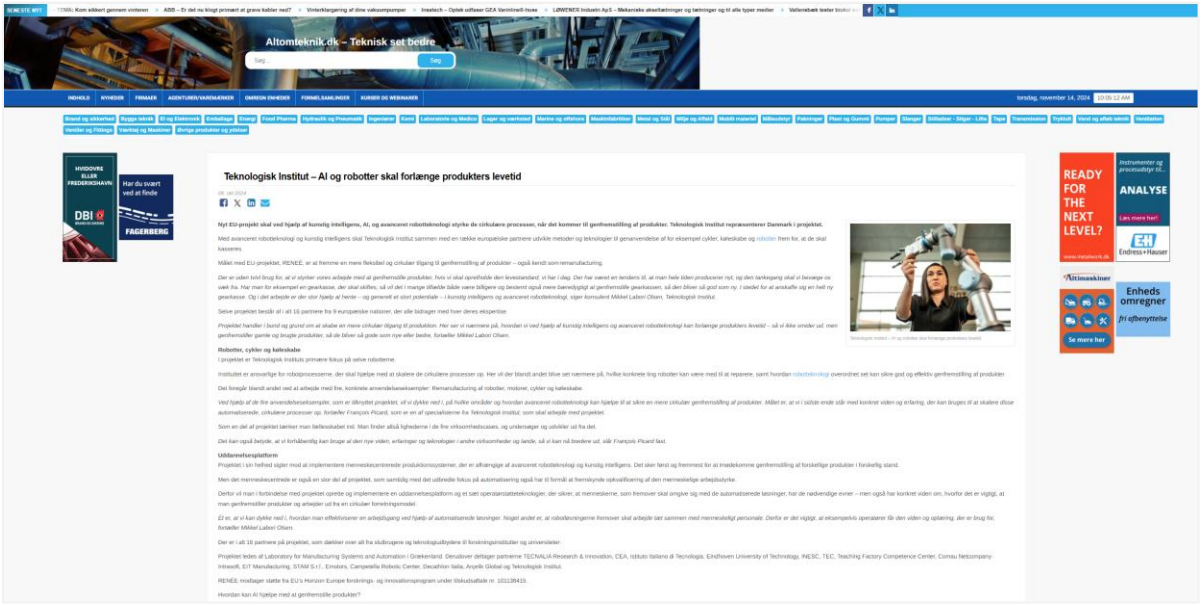


Figure 12: DTI's RENÉE Technical Article - AI and Robots to Extend Product Lifetimes

COMAU

As part of RENÉE's outreach and visibility efforts, project partner COMAU, a global leader in industrial automation and robotics, featured the RENÉE project on its official corporate website under the Funded Projects – Robotics section. The dedicated project page titled **"RENÉE – Flexible remanufacturing using AI and advanced robotics for circular value chains in EU industry"** presents a comprehensive overview of the project's goals and activities. It highlights RENÉE's contribution to the future of human-centric production systems and sustainable manufacturing through:

- The use of AI and advanced robotics for diverse remanufacturing applications;
- The development of a remanufacturing educational platform and operator support tools;
- The implementation of pilot lines in four application sectors (white goods, robotics, electrical mobility, and motorbikes);
- Emphasis on skills development for workforce upskilling/reskilling in remanufacturing.

The publication underlines the strategic alignment between COMAU's innovation agenda and the RENÉE project's objectives for circular, flexible, and sustainable manufacturing. It serves both as a communication asset and a signal of industrial commitment to EU-funded R&D. The article is accessible to the wider industrial and automation community and strengthens RENÉE's visibility among COMAU's clients, partners, and stakeholders in Europe and beyond (Figure 13).

The project page is available here: https://www.comau.com/ → *Industries* → *Robotics* → *Funded Projects*.

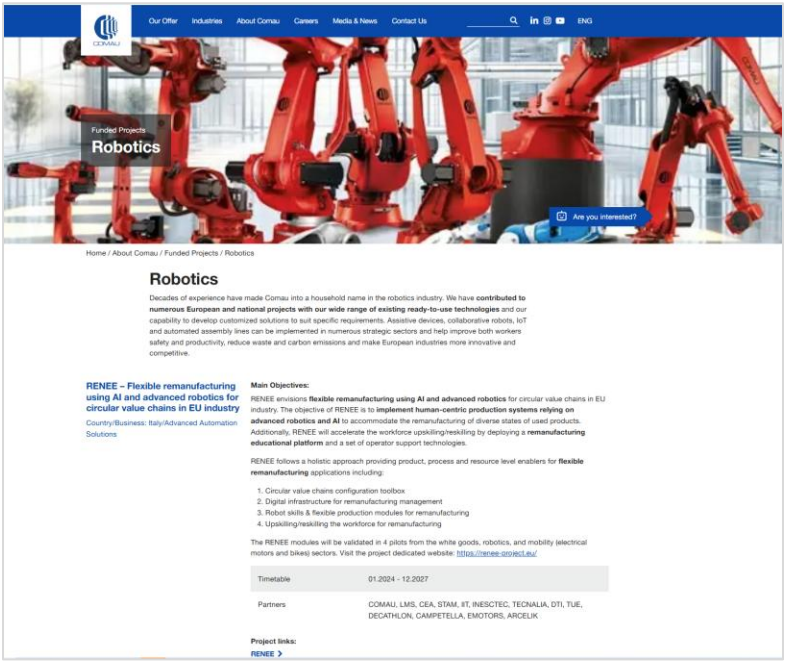


Figure 13: COMAU's RENÉE Technical Article

EIT Manufacturing South East

EIT Manufacturing South East has prepared a dedicated technical article in Greek, published in Moulding magazine, to introduce the RENÉE EU-funded project to the Greek manufacturing ecosystem. The article highlights the project's objectives, key technologies, and the importance of remanufacturing for sustainable industrial transformation in Europe (Figure 14).

Figure 14: EIT Manufacturing South East's Technical Article RENÉE's

CEA Technical Meeting – Human Factors and Digital Passport Applicability in RENÉE Use Cases

In the framework of the RENÉE project, CEA organized a dedicated internal technical meeting focused on the analysis of human factors and digital innovation within remanufacturing processes. The meeting, held in April 2024, aimed to advance two key contributions of CEA within the project (Figure 15):

- **Human-Centric Impact Assessment**

CEA conducted an in-depth evaluation of the impact of work environment transformations resulting from the introduction of advanced digital and robotic technologies in remanufacturing operations. This analysis focused on ergonomics, operator safety, cognitive workload, and organizational adaptations necessary to integrate these technologies effectively in various use cases across the RENÉE pilots.

- **Digital Product Passport Applicability Study**

The meeting also addressed the applicability of the Digital Product Passport (DPP) across the different RENÉE remanufacturing scenarios—namely electric vehicle motors (EMOTORS), refrigerators (Arçelik), Cartesian industrial robots (Campetella), and bicycles (Decathlon). Preliminary insights were shared on how DPPs can enhance traceability, component reuse, and data interoperability throughout the circular value chain.

Figure 15: CEA Technical Meeting – Human Factors and Digital Passport Applicability in RENÉE Use Cases

3.7 Participation in Events and Manufacturing Fairs

As part of its dissemination, networking, and stakeholder engagement strategy, the RENÉE project actively participated in several key industry events and fairs with strong manufacturing and industrial relevance. These participations aimed to enhance the visibility of the project, foster connections with key stakeholders, and promote the project's contributions to sustainability, innovation, and circular economy in the manufacturing sector (Please see Annex I for more information).

- **European Manufacturing Conference (EMC) 2024**
  Brussels, 24–25 September 2024
  Partners: LMS and EIT Manufacturing South East
  RENÉE EU funded project was represented in the expo area of the EMC 2024, a high-level event co-organized by EFFRA, MANUFUTURE-EU, and EIT Manufacturing. The project engaged with industrial leaders, policy makers, and research stakeholders, showcasing its objectives and expected impact on the future of sustainable and circular manufacturing systems. The conference provided a valuable platform to position RENÉE among other leading EU-funded initiatives in the advanced manufacturing domain.

- **88th Thessaloniki International Fair (TIF) 2025**
  Thessaloniki, 7–15 September 2025
  Partner: EIT Manufacturing South East
  The RENÉE EU funded project was featured at the 88th edition of the Thessaloniki International Fair—Greece's largest annual trade exhibition—through a dedicated booth and banner display. The project's presence attracted attention from industrial actors, technology providers, and policy representatives. This exposure was instrumental in reinforcing RENÉE's relevance in addressing circularity and remanufacturing within traditional and emerging manufacturing sectors.

- **InnoHive 2025 by EIT Manufacturing**
  Brussels, 8–10 April 2025
  Partner: EIT Manufacturing South East
  RENÉE EU funded was proudly showcased during InnoHive 2025, EIT Manufacturing's flagship innovation event. A dedicated screen presentation in the expo area highlighted RENÉE's core mission and contributions to circular economy, remanufacturing, and sustainable production systems. The event offered strategic networking opportunities with start-ups, industrial partners, and EU innovation stakeholders, enhancing the project's outreach and innovation ecosystem presence.

- **DEFEA 2025**
  Athens: 6-8 May 2025
  Partner: EIT Manufacturing South East
  The RENÉE EU-funded project was showcased through a dedicated poster at the EIT Manufacturing booth during DEFEA 2025, held in Athens from 6 to 8 May. As a prestigious international defence exhibition. The event brought together global leaders in dual-use technologies, promoting synergies between defense innovation and advanced industrial applications.

These participations significantly contributed to RENÉE's dissemination goals and strengthened its positioning within the European manufacturing innovation landscape.

3.8 Scientific Dissemination

3.8.1 Journal Publication

During the M6–M12 period, project partner INESC TEC published a peer-reviewed Open Access journal article in Computers & Industrial Engineering (Impact Factor: 6.7).

- Title: Transitioning trends into action: A simulation-based Digital Twin architecture for enhanced strategic and operational decision-making
  DOI: 10.1016/j.cie.2024.110616

The article presents a Digital Twin-based decision-support architecture aligned with RENÉE's goals on smart manufacturing and circular value chains (Figure 16).

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Transitioning trends into action: A simulation-based Digital Twin architecture for enhanced strategic and operational decision-making

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ABSTRACT

In the dynamic realm of nowadays manufacturing, integrating digital technologies has become paramount for enhancing operational efficiency and decision-making processes. This article presents a novel system architecture that integrates a Simulation-based Digital Twin (DT) with emerging trends in manufacturing to enhance decision-making, accompanied by a detailed technical approach encompassing protocols and technologies for each component. The DT leverages advanced simulation techniques to model, monitor, and optimize production processes in real time, facilitating both strategic and operational decision-making. Complementing the DT, trending technologies such as artificial intelligence, additive manufacturing, collaborative robots, autonomous vehicles, and connectivity advancements are strategically integrated to enhance operational efficiency and facilitate the adoption of the Manufacturing as a Service (MaaS) paradigm. A case study within a MaaS supplier context, deployed in an industrial laboratory with advanced robotic systems, demonstrates the practical application of optimizing dynamic job-shop configurations using Simulation-based DT, showcasing strategies to improve operational efficiency and resource utilization. The results of the industrial experiment were highly encouraging, underscoring the potential for extension to more intricate industrial systems, with particular emphasis on incorporating sustainability and remanufacturing principles.

Figure 16: RENÉE Journal Publication – CIE

3.8.2 Conference Publications

During the reporting period (M6-M18), three scientific papers were successfully published by project coordinator LMS – Laboratory for Manufacturing Systems & Automation, reinforcing RENÉE's contributions to the fields of AI, robotics, and remanufacturing through high-quality conference proceedings.

- **34th CIRP Design Conference 2024**
  Title: Leveraging Generative AI Prompt Programming for Human-Robot Collaborative Assembly

Published in *Procedia CIRP* (Vol. 128), this paper introduces a framework combining large language models (LLMs) and behavior-tree logic to simplify and enhance collaborative robot programming for flexible assembly lines.
Partner: LMS
DOI: 10.1016/j.procir.2024.03.040

- **Flexible Automation and Intelligent Manufacturing: Manufacturing Innovation and Preparedness for the Changing World Order 2024**
  Title: Multidimensional Evaluation of Production Systems Design Based on Design-for-eXcellence Methodologies
  Published in Lecture Notes in Mechanical Engineering. Springer, Cham. This paper presents an extended, multi-dimensional LeanDfX-based methodology to support the lifecycle design and performance assessment of production systems by integrating key principles from Lean Manufacturing, sustainability, and circular economy, within the context of RENÉE EU funded project.
  Partner: INESC TEC
  DOI: https://doi.org/10.1007/978-3-031-74485-3_20

- **2nd European Symposium on Artificial Intelligence in Manufacturing (ESAIM 2024)**
  Title: Leveraging Generative AI for Synthetic Data Generation: Improving 6-DOF Pose Estimation in Assembly Systems
  This publication, appearing in the **Springer Lecture Notes in Mechanical Engineering (LNME)** series, demonstrates the use of AI-generated synthetic datasets to improve perception systems in smart manufacturing.
  Partner: LMS
  DOI: https://doi.org/10.1007/978-3-031-86489-6_8

- **35th CIRP Design Conference 2025**
  Title: De-Production model combining R-Strategies and D-Strategies in product and production systems life cycles: Application to Remanufacturing
  Also published in *Procedia CIRP*, this paper proposes a novel De-Production model that integrates R-Strategies and D-Strategies across product and production life cycles to overcome barriers to Circular Economy implementation, demonstrated through a discrete simulation of a remanufacturing case study in bicycle wheel assembly.
  Partner: INESC TEC
  Proceedings: Under Preparation
  DOI: Not Applicable

- **10th Changeable, Agile, Reconfigurable and Virtual Production Conference (CARV2025)**
  Title: A methodology for applying HRC on remanufacturing workstations: A use case from household appliances
  Also published in *Procedia CIRP*, this paper proposes a methodology for designing and evaluating collaborative remanufacturing workstations by identifying optimal HRC scenarios for different tasks.
  Partner: LMS, TF-CC
  DOI: Not Applicable

All papers were published following **Open Access principles**, ensuring broad visibility and accessibility. The work has been promoted across RENÉE's dissemination channels (website, LinkedIn, and newsletters), strengthening scientific outreach and project impact.

3.8.3 Poster Presentation

As part of the RENÉE EU project's dissemination and stakeholder engagement activities, TU/e presented a poster titled "Human-AI collaboration in remanufacturing work processes – RENÉE" during the Sustainability Day 2024 event (Figure 17). The presentation highlighted a PhD research initiative under RENÉE that focuses on designing and evaluating human-centric Human-AI collaboration strategies within remanufacturing environments. Key themes included:

- Strengthening employee capabilities through collaboration with AI systems
- Promoting employee well-being and job meaningfulness via upskilling and job crafting
- Developing an educational platform and design guidelines for AI-supported remanufacturing
- Enhancing social sustainability by improving working conditions in human-AI environments

This activity successfully disseminated RENÉE's goals to an academic and industrial audience, strengthening visibility in areas of sustainability, human factors, and digital transformation in manufacturing.

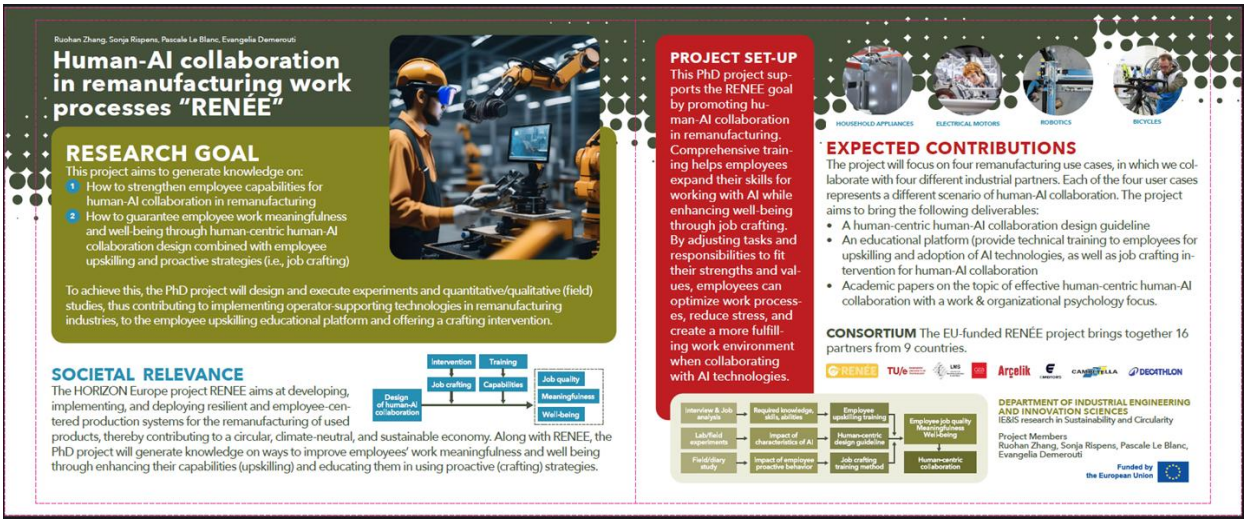


Figure 17: RENÉE Poster Presentation – Sustainability Day | TU/e

3.9 Participation in Forums, Working Groups, and Workshops

RENEÉ at European Robotics Forum 2025 (25-27 March 2025)

The **RENÉE EU-funded project** participated in three impactful workshops during the European Robotics Forum (ERF) 2025, held in Stuttgart, Germany. The following partners **STAM, IIT,** and **LMS** actively contributed to discussions on human-robot collaboration, Industry 5.0, and ethical innovation, showcasing RENÉE's mission to shape a resilient and sustainable future for European

robotics (Figure 18). Through insightful presentations and dynamic exchanges, the RENÉE consortium demonstrated how ethical principles, and inclusivity can be embedded into advanced robotic technologies. Additionally, **COMAU** presented RENÉE in the **Flexible materials handling and remanufacturing - 12th HPS workshop**. The workshops provided a valuable opportunity to connect with the wider research and innovation community, reinforcing RENÉE's role in the evolving robotics landscape.

Figure 18: RENÉE Workshop Participation to ERF 2025

RENEÉ at MECSPE Bologna 2025

STAM showcased RENÉE project at MECSPE 2025, held from March 5 to 7 at BolognaFiere, Italy. The event, renowned as a premier international trade fair for the manufacturing industry, featured over 2,100 exhibitors and attracted more than 66,000 visitors across 13 thematic halls, emphasizing innovation, training, and sustainability.

RENEÉ at Access2Tech Europe | Izmir 2025

The Teaching Factory Competence Center and Arcelik participated in the Access2Tech Europe | İzmir feat. IndustX Demo Day on May 27, 2025, held at İzQ Innovation Center in İzmir, Türkiye. TF-CC showcased the RENÉE project at its dedicated booth, engaging with industrial stakeholders, startups, and innovation leaders. The event served as a platform to present RENEE's approach to circular manufacturing, workforce upskilling, and resilient production systems, while fostering new collaboration opportunities across the European industrial ecosystem.

RENEÉ at Manufacturing Performance Days 2025

The Teaching Factory Competence Center participated and showcased RENÉE in **Manufacturing Performance Days (MPD) 2025**, one of Northern Europe's leading industry events, held in Tampere, Finland (June 2025). Under the theme *"Manufacturing in the Age of AI,"* the event provided a platform to showcase advancements in AI-driven manufacturing. The participation highlighted collaborative efforts between research and industry, with a focus on human-centric innovation, digital transformation, and the future of work in manufacturing.

RENEÉ Online Workshop Participation

The RENÉE was represented by the coordinator Laboratory for Manufacturing Systems and Automation (LMS), in three online workshops, contributing to knowledge exchange and cross-project collaboration within the European research and innovation landscape. The events addressed key topics closely aligned with RENÉE's objectives, including circularity, AI-driven sustainability, and intelligent robotics.

- **EFFRA Working Group on Circularity Workshop (Month 11)**

  LMS presented the RENÉE EU funded project during this thematic workshop organized by the European Factories of the Future Research Association (EFFRA). The presentation highlighted RENÉE's approach to circular manufacturing and remanufacturing strategies within the European Green Deal context.

- **AIMNET: AI4Sustainability Workshop (Month 12)**

  This online event focused on the role of artificial intelligence in supporting sustainability goals in industry. RENÉE's participation provided visibility to its innovative use cases and design principles that integrate AI-enabled decision-making into remanufacturing systems.

- **AIMNET Open-World Reasoning with (M)LLMs Workshop: Advancing Industrial Transformation through Intelligent Robotics (Month 15)**

At this advanced technical workshop, LMS presented RENÉE's relevance in leveraging intelligent systems, including robotics and machine learning, to optimize production and remanufacturing processes. The exchange with other AI and robotics-focused projects fostered synergies and future collaboration opportunities.

- **Knowledge Capsule on Circular Skills and Workforce Transformation – Thematic Working group by EIT Manufacturing**

As part of its D&C activities, RENÉE was featured in a recent Knowledge Capsule session focused on skills and competencies for circular manufacturing. The event brought together stakeholders from EU-funded projects, academia, and industry to discuss workforce transformation. RENÉE was represented by Teaching Factory Competence Center, shared key findings on reskilling needs in remanufacturing and circular workforce development (Figure 19).

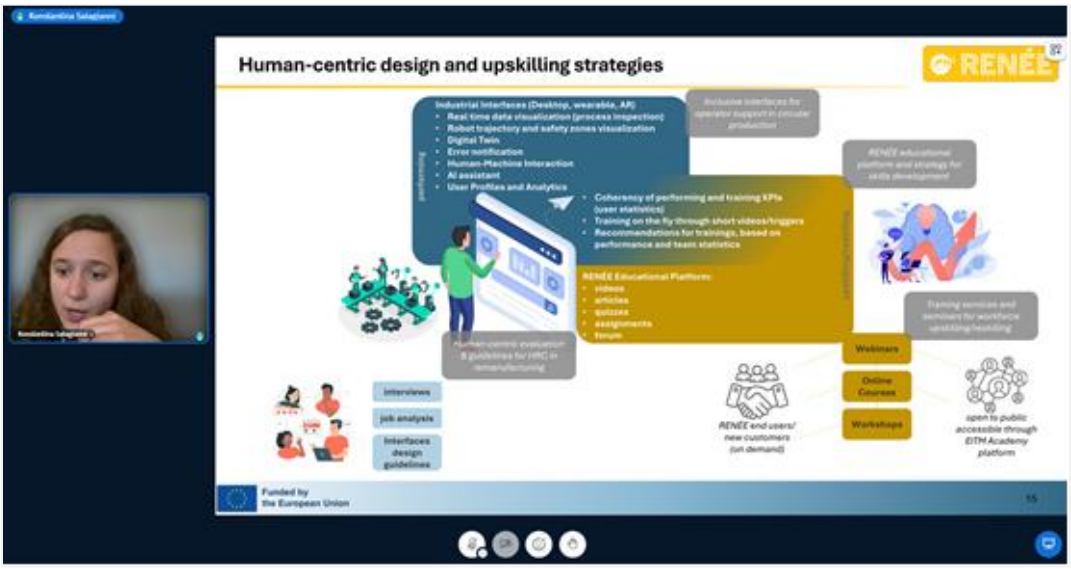


Figure 19: Circular Skills and Workforce Transformation by Teaching Factory Competence Center

These participations contributed to RENÉE's objective of fostering dialogue with the broader European R&D ecosystem, while promoting its vision for sustainable, circular, and AI-enabled manufacturing.

3.10 Publication and Dissemination of Newsletters

As part of the project's ongoing dissemination activities, two official newsletters have been successfully published and widely distributed during the reporting period. These newsletters aim to keep partners, stakeholders, and the wider public informed about key achievements, events, and developments in the RENÉE EU funded project (Figure 20).

Each edition was:

- Circulated via email to all consortium partners and registered external subscribers
- Published on the official RENÉE website under the "Media -> Newletters" section
- Promoted through the RENÉE LinkedIn account, increasing visibility among the European innovation and industrial community

The newsletters included content such as use case highlights, consortium meetings, participation in major events and conferences, clustering activities, and updates on Key Exploitable Results (KERs). They serve as essential communication tools for increasing project transparency, stakeholder engagement, and visibility across sectors. The next editions are scheduled at regular intervals to ensure consistent outreach and alignment with the evolving dissemination strategy of the project.

Figure 20: First version of Newsletter (Left); Second version of Newsletter (Right)

3.11 Company Visits

Visit to BUDWEG Remanufacturing Factory – Odense (Day Before 2nd GA Meeting, 2024)

On the day preceding the 2nd General Assembly Meeting (M11) of the RENÉE project in 2024, a site visit was organized by DTI to the BUDWEG remanufacturing factory in Odense. The visit offered participants valuable insights into real-world applications of circular economy principles in the automotive sector. During the visit, key aspects of the RENÉE project and its exploitable results were presented by representatives from LMS, DTI, and EIT Manufacturing South East. The discussions highlighted the relevance of RENÉE's innovations in supporting sustainable manufacturing practices and remanufacturing strategies, fostering knowledge exchange between project partners and industry stakeholders.

Visit at TECNALIA's Premises

As part of RENÉE's dissemination and visibility efforts, a visit from the Provincial Council at TECNALIA's Premises took place in March 2025. During the visit, representatives from TECNALIA presented RENÉE's testbed. The project was highlighted as a key example of innovation in circular manufacturing and sustainable remanufacturing practices. Photos from the visit were shared for dissemination purposes, supporting communication activities aimed at stakeholders and regional authorities (see Annex I).

3.12 Project Videos

The RENÉE project has published new audiovisual content on its official YouTube Channel, featuring videos from all four use cases as well as a Project Overview Video. These videos provide an engaging look into the real-world applications and objectives of RENÉE, showcasing the project's impact across multiple industrial sectors. Visit the channel to explore how RENÉE is driving innovation in remanufacturing. A dedicated LinkedIn Post has been also shared for each use case.

3.13 Monitoring List of Expected Actions

Table 5 outlines the expected dissemination and communication (D&C) actions planned by RENÉE project partners. It includes a list of activities, involved partners, estimated timing (by project month), and a short description of each initiative. The actions span various formats such as community presentations, EU partnership events, scientific publications, and participation in conferences, targeting both technical and industrial audiences. These actions aim to maximize the project's visibility and ensure broad stakeholder engagement.

List of Expected D& Communication Actions				
#	**Type of Activity**	**Partner**	**Expected Project Date**	**Information**
1.	Presentation of RENÉE to a community: National Alliance Factory Lab	CEA	M18	Presentation of RENÉE to a community
2.	IRF 2025	IIT	M19	Article - Redesignfx NOVEL METHODOLOGY: APPLICATION IN PRODUCT (RE)DESIGN-FOR-REMANUFACTURING
3.	Made in Europe Partnership Days 2025	LMS TF-CC EITM SE	M22	Invitation to Made in Europe Partnership Days 2025 (EFFRA)
4.	Networking with CIRPASS 2	CEA-EITM SE	M18-M24	Project dissemination and discussions with the partners about DPP

List of Expected D& Communication Actions				
#	**Type of Activity**	**Partner**	**Expected Project Date**	**Information**
				implementation, and current regulations and policies
5.	Publication of Project's news in newsletter of the COMPANY	EMOTORS	M18+	Communication will be given in Emotors' newsletter (approx every 4 months)
6.	Publication in social media of the partner	EMOTORS	M18+	Promotion of RENÉE in EMOTORS social media platforms
7.	CIRP CARV 2025	LMS	M21	Participation in Conference & Article
8.	3RD European Symposium on Artificial Intelligence in Manufacturing (ESAIM 2025)	LMS	M22	Participation in Conference & Article
9.	Article in Scientific Journal	CEA	M30	Tentative Title: Human Factors Issues in Remanufacturing
10.	European Conference on Cognitive Ergonomics	CEA	M24	Participation in Conference & Article
11.	CIRP CMS 2025	LMS	M28	Participation in Conference & Article
12.	DDP4EU	CEA	M30	Participation in Conference & Article
13.	International Conference on Applied Human Factors and Ergonomics	CEA	M36	Participation in Conference & Article

Table 5: List of Expected D& Communication Actions

4 Networking Activities – Clustering Events

4.1 TTRAC Cluster

1st Meeting

The RENÉE project actively participates (LMS, STAM and EITM SE) in the TTRAC (Twin-Transition) Cluster, a collaborative network of Horizon Europe projects funded under the TWIN-TRANSITION-01-04 call. This cluster brings together projects such as COMPASS, CREDIT, R3-Mydas, RemaNet, RESTORE, and RENÉE, aiming to strengthen synergies in areas like AI, robotics, circular value chains, and sustainable manufacturing (Figure 21). The first clustering meeting was held on 18 September 2024, with follow-up collaboration steps including a collaboration agreement and the upcoming 2nd clustering meeting on 2 December 2024.

Figure 21: TTRAC Cluster – RENÉE Intro presentation

TTRAC Synergy Workshop Participation

On February 5th, 2025, the RENÉE EU funded project actively participated in the TTRAC Synergy Workshop, a key clustering event designed to foster collaboration among projects funded under the same Horizon Europe call. The event brought together sibling projects to explore synergies, joint actions, and strategic alignment. As a member of the TTRAC cluster, RENÉE contributes to advancing innovation in AI-powered inspection, digital product passports, and sustainable re-manufacturing. During the workshop, each project shared its objectives, use cases, and expected outcomes, setting the stage for future collaborative initiatives and coordinated dissemination efforts (Figure 22).

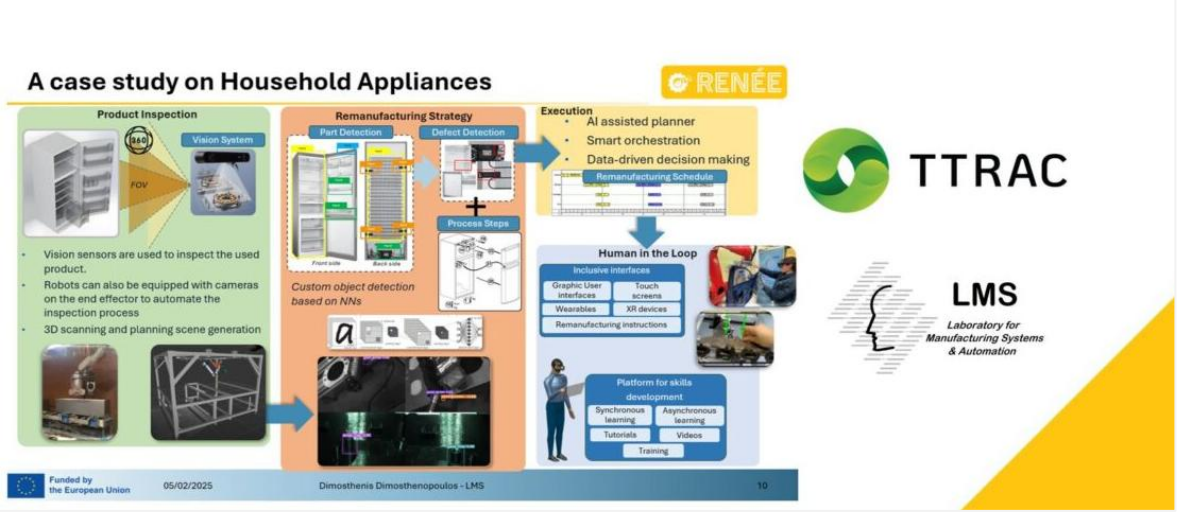


Figure 22" TTRAC – 1st technical workshop – RENÉE ARCELIK's case study presentation

4.2 MASTT2040 Networking Meeting

On 22 October 2024, RENÉE project was represented by EIT Manufacturing South East at the MASTT2040 clustering meeting, which brought together key EU projects and stakeholders to explore collaboration opportunities in advanced manufacturing (Figure 23). The session focused on strategic themes including Manufacturing as a Service (MaaS), sustainability, and the circular economy. Discussions addressed critical enablers such as data standardization, digital product passports, and resilience in manufacturing systems, aligning closely with RENÉE's objectives. This meeting contributed to reinforcing cross-project synergies and exploring future joint actions under shared thematic priorities.

Figure 23: MASTT2040 Project Networking event with EU funded projects

5 Individual Dissemination & Communication Plan

5.1 LMS

LMS will lead scientific dissemination by preparing at least six technical papers and showcasing project developments at international conferences. Strong ties with CIRP will be leveraged to target high-impact academic and industrial audiences. Dissemination will focus on AI and remanufacturing in circular value chains (Table 6).

LMS – Laboratory for Manufacturing Systems & Automation				
Activity Type	**Description**	**Target Audience**	**Estimated Number**	**Timeframe**
Scientific Publications	Technical papers on remanufacturing, AI, and circular value chains	Research and academic community	6+ papers	M12–M36
Conference Presentations	Presentations at CIRP and international manufacturing/AI conferences	Researchers, Industry, Policymakers	3–4 events /year	Throughout project
Stakeholder Engagement through CIRP	Leverage CIRP membership for targeted dissemination	Scientific and industrial networks	Ongoing	Throughout project

Table 6: LMS's Individual D&C Plan

5.2 TECNALIA

TECNALIA will disseminate results through two scientific publications and two technical articles in applied journals. The team will also promote RENEE outcomes during company visits and forums linked to the previous EU funded projects network, ensuring reach among both academic and industrial stakeholders (Table 7).

TECNALIA				
Activity Type	**Description**	**Target Audience**	**Estimated Number**	**Timeframe**
Scientific Publications	At least two papers in scientific journals or conference proceedings	Research and academic community	2	M18–M36
Technical Papers	Applied research articles linked to project use cases	Industrial and applied research	2	M18–M36
Industry Visits	Dissemination during visits to companies from previous EU-funded projects network	Industrial stakeholders	4–6 visits	As opportunities arise

Table 7: TECNALIA's Individual D&C Plan

5.3 CEA

CEA will participate in innovation expos, and in-house dissemination via seminars and an annual workshop. A public project portal and social media content will help broaden outreach (Table 8).

CEA – Commissariat à l'Énergie Atomique et aux Énergies Alternatives				
Activity Type	**Description**	**Target Audience**	**Estimated Number**	**Timeframe**
In-House Seminars	Regular internal sharing sessions	CEA and collaborators	1 per quarter	Quarterly
Annual Workshop	Themed event to present RENEE results	Academic, industry, public	1/year	Annually (M18, M30)
Innovation Expos & Industry Days	Participation in expos to showcase use cases	Innovation ecosystem	2–3 events/year	M18–M36
Digital Content	Internal website updates, public presentations, videos	General public and stakeholders	Ongoing	Throughout project

Table 8: CEA's Individual D&C Plan

5.4 DTI

DTI will use digital and traditional media, including LinkedIn campaigns, press releases, and its website, to share updates and engage with the remanufacturing and circular economy community. Participation in conferences and fairs will further promote the project's impact to industry stakeholders (Table 9).

DTI – Danish Technological Institute				
Activity Type	**Description**	**Target Audience**	**Estimated Number**	**Timeframe**

Social Media Campaigns	LinkedIn outreach for RENEE highlights, events, and news	Industry, researchers, public	Monthly posts	Throughout project
Website Articles	Regular project updates and success stories	Industry, policymakers, SMEs	4–6 articles/year	M6–M36
Media Outreach	Press releases and interviews in local/national media	General public and industry	2–3 annually	M12–M36
Conference & Fair Presentations	Participation in national and European events relevant to circular economy	Industry, researchers, policymakers	2–3/year	M18–M36

Table 9: DTI's Individual D&C Plan

5.5 IIT

IIT will submit papers to international conferences and journals and organize workshops to present project innovations. Online platforms, including social media and stakeholder-specific newsletters, will provide regular updates and enhance project visibility (Table 10).

IIT – Istituto Italiano di Tecnologia				
Activity Type	**Description**	**Target Audience**	**Estimated Number**	**Timeframe**
Scientific Publications	Articles in scientific journals and presentations at conferences	Academic and research community	2–4	M12–M36
Industry Workshops	Workshops to demonstrate project innovations to industrial stakeholders	Industry	2–3	M18–M36
Online & Social Media	Dissemination through IIT's digital platforms and targeted newsletters	General public, stakeholders	Ongoing	Throughout project

Table 10: IIT's Individual D&C Plan

5.6 TU/e

TU/e will focus on publishing research about work redesign and human-robot collaboration, targeting scientific journals and conferences. Dissemination will also include LinkedIn updates, outreach via industry networks, and collaboration with the university's press team for broader media engagement (Table 11).

TU/e – Eindhoven University of Technology				
Activity Type	**Description**	**Target Audience**	**Estimated Number**	**Timeframe**

Scientific Publications	Focus on work redesign and employee-robot collaboration	Research and academic community	2–3	M12–M36
Social Media & Networks	LinkedIn and industry network meetings	Industry, professionals	Ongoing	Throughout project
Media Outreach	Press releases and potential media coverage	General public	1–2/year	M12–M36

Table 11: IIT's Individual D&C Plan

5.7 INESC

INESC TEC plans to publish scientific articles and present findings at international conferences. Dissemination will be supported by social media, institutional newsletters, and active participation in relevant industry events (Table 12).

INESC TEC				
Activity Type	**Description**	**Target Audience**	**Estimated Number**	**Timeframe**
Scientific Dissemination	Presentations and publications in international venues	Academic, researchers	3–4	M12–M36
Digital Outreach	Project visibility through social media and institutional website	Broad public	Ongoing	Throughout project
Industry Event Participation	Attendance and presentations at key events	Industry	2–3	M18–M36

Table 12: IIT's Individual D&C Plan

5.8 TF-CC

TF-CC will publish at least five technical papers and supervise PhD theses aligned with RENEE. The center will also host two workshops or webinars to engage industry actors and facilitate the transfer of project knowledge (Table 13).

TF-CC – Teaching Factory Competence Center				
Activity Type	**Description**	**Target Audience**	**Estimated Number**	**Timeframe**
Scientific Publications	Publication of technical papers in journals on remanufacturing topics	Academic and technical community	5	M18–M36
Webinars and Workshops	Hosting events to share knowledge and engage stakeholders	Industry stakeholders	2	M24–M36
Conference Presentations	Presentation of RENEE results in international forums	Scientific, industrial audience	2–3	M18–M36
PhD Research	Development of PhD theses on project topics	Academic	1–2	M24–M36

Table 13: TF-CC's Individual D&C Plan

5.9 COMAU

COMAU will utilize its global network and EU project portal to disseminate RENEE. The company will participate in high-profile fairs like ERF and Automatica, post updates on major social platforms, and contribute to scientific publications focused on robotics and remanufacturing (Table 14).

COMAU				
Activity Type	**Description**	**Target Audience**	**Estimated Number**	**Timeframe**
Website Dissemination	Use of COMAU's EU-funded project portal to present RENEE	General public, stakeholders	Ongoing	Throughout project
Social Media Campaigns	Sharing updates via LinkedIn, Facebook, X, Instagram, YouTube	Public, professionals	Monthly	Throughout project
Fair and Conference Presence	Present at ERF, Automatica, SPS, and other key events	Industry and R&D stakeholders	3–4/year	M12–M36
Scientific Publications	Participation in writing of scientific papers	Research community	1–2	M18–M36

Table 14: TF-CC's Individual D&C Plan

5.10 INTRA

INTRA will carry out an extensive digital strategy, using blog posts, press releases, and LinkedIn to disseminate RENÉE updates and milestones. The team will also engage standardization stakeholders through workshops, reports, and pilot-based communication efforts, acting as a bridge to regulatory bodies (Table 15).

INTRA – Netcompany-Intrasoft				
Activity Type	**Description**	**Target Audience**	**Estimated Number**	**Timeframe**
Social Media & Digital Content	Sharing RENEE updates, insights, and events via LinkedIn and blogs	General public, industry	Monthly	Throughout project
Press Releases & Articles	Highlighting key results, technological achievements, and success stories	Media, industry professionals	3–4	M18–M36
Industry Events	Representation and showcasing progress at high-impact industry events	Industry stakeholders	2–3	M18–M36
Standardization Engagement	Communication of findings to standards bodies and support for standardization protocols	Standardization stakeholders	Ongoing	M18–M36

Verification Activities	Promote findings through validated pilot results and targeted workshops	Technical standardizatio n actors	2	M24–M36

Table 15: INTRA's Individual D&C Plan

5.11 EITM SE

EIT Manufacturing South East EITM SE will engage in multi-level dissemination including technical publications, participation in major events, and gender-inclusive workshops. Strategic networking with EU initiatives like Data Space 4.0 and CIRPASS will amplify project impact (Table 16).

EIT Manufacturing South East				
Activity Type	**Description**	**Target Audience**	**Estimat ed Number**	**Timefra me**
Technical Articles	Technical articles and collaborative publications with partners	Academia, industry	2+	M12–M36
Industry Event Participation	Participation in EFRRA events, EIT Events, and other relevant manufacturing & industrial fairs	Industry, policymak ers	3/year	M18–36
Awareness Campaigns	Newsletters, press releases, and inclusive content highlighting RENEE's impact	Public, media	Quarterl y	Through out project
Networking & Ecosystem Links	Engagement with Data Space 4.0, CIRPASS, ERN, etc.	EU ecosyste ms	Ongoing	Through out project
LinkedIn Outreach	Dissemination via EITM's official social media	Broad audience	Bı-Monthly	Through out project

Table 16: EITM SE's Individual D&C Plan

5.12 STAM

STAM will leverage its communication experience to disseminate project results through newsletters, digital media, and social platforms. RENÉE results will also be shared at scientific conferences and industry fairs to maximize stakeholder engagement (Table 17).

STAM				
Activity Type	**Description**	**Target Audience**	**Estimate d Number**	**Timefra me**
Digital Disseminati on	Dissemination through STAM's website, newsletters, and social media channels	Broad audience	Monthly	Througho ut project

Conference Participation	Sharing innovations at technical-scientific conferences	Academic and industrial experts	2–3/year	M12–M36
Industry Fair Attendance	Representation at relevant industry fairs to present project results	Industry professionals	1–2/year	M18–M36

Table 17: STAM's Individual D&C Plan

5.13 EMOTORS

EMOTORS will present its use case on electric motor remanufacturing at technical conferences and publish related articles. A factory-hosted workshop and targeted stakeholder outreach via newsletters will be conducted to highlight sustainability impacts (Table 18).

EMOTORS				
Activity Type	**Description**	**Target Audience**	**Estimated Number**	**Timeframe**
Conference Presentations	Showcase remanufacturing of electric motors in technical/industry events	Industry and R&D stakeholders	2	M18–M36
Technical Publications	Articles in technical journals highlighting the EMOTORS case study	Technical audience	1–2	M24–M36
Factory Workshop	Host stakeholder workshop at EMOTORS facility	Local and European industry	1	M30
Stakeholder Outreach	Newsletters and targeted communication to showcase sustainability impact	Broader stakeholder group	2–3	M18–M36

Table 18: EMOTORS's Individual D&C Plan

5.14 CAMPETELLA

CRC will showcase its robotic remanufacturing pilot through live demos, webinars, and presentations at automation events such as ERF. Technical articles, videos, and social media content will reinforce communication efforts with integrators, OEMs, and value chain partners (**Error! Reference source not found.**).

CRC – Campetella Robotic Center (End-User, Robotics Sector)				
Activity Type	**Description**	**Target Audience**	**Estimated Number**	**Timeframe**

Use Case Demonstrations	Showcase RENEE-enabled remanufacturing applications in robotics via pilot line tours and demos	Industrial partners, customers	2–3	M18–M36
Industry Event Presentations	Present case study at sectoral events such as Automatica, MECSPE, and ERF	Robotics & automation industry	2	M20–M36
Technical Magazine Articles	Publish detailed insights in robotics and automation magazines highlighting benefits of remanufacturing	Industry experts, practitioners	2–3	M24–M36
Webinars and Online Demos	Host targeted webinars to promote the RENEE use case and human-centric remanufacturing practices	SME clusters, technical audience	1–2	M24–M36
Social Media Dissemination	Share updates, visuals, and videos through company's LinkedIn and other channels	Broader manufacturing community	Monthly	Throughout project
Stakeholder Engagement	Engage with robotics integrators, OEMs, and supply chain actors to demonstrate replicability	Value chain actors, SMEs	Ongoing	Throughout project

Table 19: CAMPETELLA's Individual D&C Plan

5.15 DECATHLON

DECATHLON will integrate RENEE updates into its internal newsletters and employee social channels. Externally, it will promote project results via LinkedIn and participation in robotics-related events like ERF (Table 20).

DEC – Decathlon				
Activity Type	**Description**	**Target Audience**	**Estimated Number**	**Timeframe**
Internal Communications	Dissemination through Decathlon's internal newsletters and channels	Employees and management	Monthly	Throughout project
Social Media Content	Sharing updates via project managers' LinkedIn accounts	Public and partners	As needed	M12–M36
Industry Event Participation	Presence at ERF 2024 and other sectoral events	Innovation and retail sector	1–2/year	M18–36

Table 20: DECATHLON's Individual D&C Plan

5.16 ARCELIK

ARCELIK will publish findings from its refrigerator remanufacturing pilot in industrial journals and present them at global fairs. Results will also be shared via internal newsletters, social media posts, and workshops targeting a broad stakeholder base (Table 21).

ARCELIK				
Activity Type	**Description**	**Target Audience**	**Estimated Number**	**Timeframe**
Technical Publications	Share remanufacturing of refrigerators case in industrial journals	Industrial and R&D stakeholders	2	M24–M36
Fair and Conference Participation	Presentation of results at international events (e.g., IFA, EuroCucina)	Industry	2/year	M18–36
Workshop Hosting	Organize knowledge-sharing events based on project experience	Internal & external stakeholders	1–2	M24–M36
Digital Channels	Use company newsletter and social media for wider dissemination	Broad audience	Monthly	Throughout project

Table 21: ARCELIK's Individual D&C Plan

6 Summary and Next Steps – Dissemination & Communication Actions (Stage 3 & 4)

As the RENÉE project progresses into its later stages, the Dissemination & Communication activities will shift focus from awareness-building and community engagement to the exploitation and promotion of results, with specific emphasis on pilot outcomes and product integration. The next steps are outlined below for **Stage 3** and **Stage 4** (Figure 1):

- **Stage 3 – Demonstration and Industrial Promotion Phase**

Objectives:

- Showcase the complete RENEE pilot demonstrators across use cases.
- Initiate targeted product exploitation activities based on pilot findings.
- Promote RENEE outcomes in industrial and sector-specific domains.

Planned Methods:

- Dissemination of visual materials and demonstration content via the RENEE website.
- Conduct demonstration events and workshops at or near end-user facilities to align with industrial needs.
- Distribution of newsletters, flyers, and promotional materials tailored to specific sectors.

Leading Partners:

- INTRA, COMAU, STAM, EITM SE, LMS, TF-CC, CEA, INESC TEC

These actions will be critical in validating RENEE's industrial applicability and setting the stage for effective exploitation. Emphasis will be placed on aligning demonstrations with real industrial scenarios to maximize engagement and uptake.

- **Stage 4 – Market Uptake and Long-Term Visibility**

Objectives:

- Promote final demonstrator results and verified project achievements.
- Support the incorporation of RENEE technologies into partners' commercial offerings and service portfolios.
- Ensure continued visibility of project impact across industrial and academic audiences post-project.

Planned Methods:

- Drive interaction through the RENÉE website and EFFRA Innovation Portal with demo content and success stories.
- Release final sets of demo videos and promotional articles highlighting use case outcomes.
- Support partner sites and sales catalogues in featuring RENEE-based solutions.
- Ensure presence in industrial fairs and academic events to maintain long-term visibility.

Leading Partners:

- Technology providers, system integrators, and end-users

These final-stage actions will be closely aligned with the project's exploitation strategy and business plans. A coordinated push for industrial representation and digital outreach will ensure RENEE outcomes are broadly adopted and visible beyond the project's duration.

7 Conclusions

The RENÉE project has made significant progress in its dissemination and communication activities during the first 18 months. A clear strategy has been followed to raise awareness about the project, share its results, and connect with key stakeholders. Partners have actively contributed by publishing scientific papers, participating in major events, creating communication materials, and using digital channels such as social media, newsletters, and websites.

These efforts have helped make the RENÉE EU-funded project more visible to industry, research, policy, and the public. As the project moves into its next stages, the focus will shift to sharing results from pilot cases, supporting industrial use, and ensuring long-term impact. All communication activities will continue to support the project's main goals, promoting sustainable manufacturing, encouraging innovation, and helping industry move toward a more circular and digital future.

The RENÉE Dissemination & Communication WP Leader will continue to guide and support partners to make sure the project's results reach the right audiences in an effective and meaningful way.

Annex I

Photo	
Event/Activity	European Symposium on Artificial Intelligence in Manufacturing (ESAIM) 2024
Date	October 10, 2024
Location	Athens, Greece
Description	LMS organized the 2nd ESAIM 2024 EITM SE & TF-CC sponsored the Symposium
Partner	LMS (Greece) Paper Presentation EITM IC SE (Greece) – RENÉE Banner & Brochures
Target Audience	AI professionals, researchers
Key Outcomes	Established new partnerships, received feedback on project developments.

Table 22: European Symposium on Artificial Intelligence in Manufacturing (ESAIM) 2024

Photo	
Event/Activity	34th CIRP DESIGN Conference 2024
Date	June 03-05, 2024
Location	Cranfield, UK

Description	CIRP DESIGN 2024 brings together the design communities of both academia and industry that support products and their lifecycle.
Partner	LMS (Greece) Paper Presentation
Target Audience	Researchers, Engineers, Designers, Academia
Key Outcomes	Established new partnerships, received feedback on project developments.

Table 23: 34th CIRP DESIGN Conference 2024

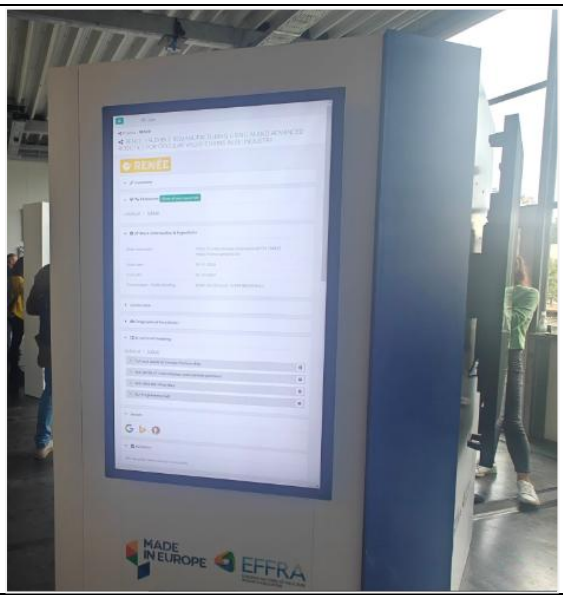
Photo	
Event/Activity	European Manufacturing Conference (EMC) 2024
Date	September 24-25, 2024
Location	Brussels, Belgium
Description	✓ European Manufacturing Conference (EMC) 2024 (24 and 25 September 2024) | co-organized by EFFRA and MANUFUTURE-EU and EIT Manufacturing –
Partner	EITM SE – RENÉE presented in the expo area, engaging with industrial leaders
Target Audience	Policy makers, Industry Representatives, Academia, Research and Technology Organizations (RTOs), Startups and Scaleups, Innovators
Key Outcomes	Established new partnerships, received feedback on project developments.

Table 24: European Manufacturing Conference (EMC) 2024

Photo	
Event/Activity	88th Thessaloniki International Fair 2024
Date	September 07-15, 2024
Location	Thessaloniki, Greece
Description	The Thessaloniki International Fair (TIF) is Greece's largest annual trade exhibition, showcasing innovations, products, and services across key industrial, technological, and economic sectors, while fostering business, policy, and international cooperation.
Partner	EITM SE – RENÉE presented with dissemination material in Booth (Banner, Brochures)
Target Audience	Policy makers, Industry Representatives, Academia, Research and Technology Organizations (RTOs), Startups and Scaleups, Innovators
Key Outcomes	Established new partnerships, received feedback on project developments.

Table 25: 88th Thessaloniki International Fair 2024

Photo	
Event/Activity	Sustainability Day 2024
Date	October 03, 2024
Location	Eindhoven, The Netherlands
Description	Sustainability Day at Eindhoven University of Technology (TU/e) is an annual event dedicated to celebrating and advancing the university's commitment to sustainability.
Partner	TU/e – Poster participation

Target Audience	Audience: Students, Faculty and Researchers, Industry Professionals, Policy Makers, Community Members
Key Outcomes	The event aimed to foster collaboration, highlight achievements, and inspire future initiatives in sustainable practices across education, research, and operations

Table 26: Sustainability Day 2024

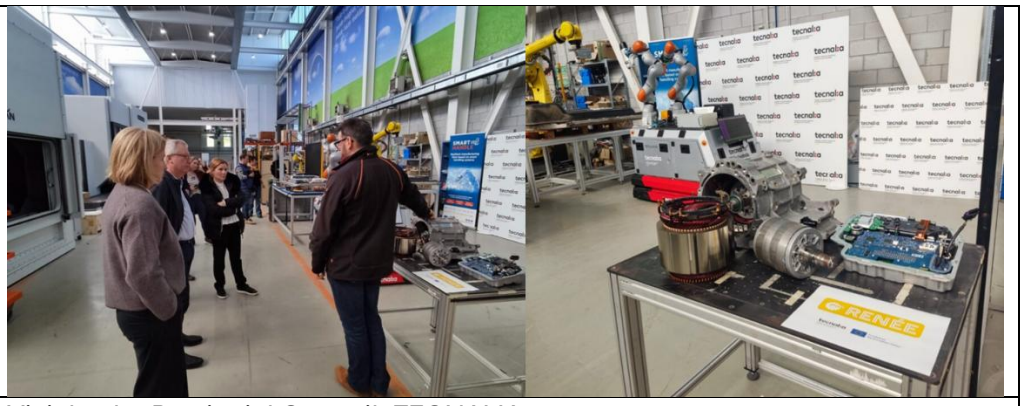
Photo	
Event/Activity	Visit by the Provincial Council, TECNALIA 2025
Date	March 2025
Location	San Sebastian, Spain
Description	A visit from the **Provincial Council** took place in March 2025. During the visit, TECNALIA presented a range of sustainability-focused projects, including RENÉE.
Partner	TECNALIA
Target Audience	Provincial Council Representatives
Key Outcomes	The project was highlighted as a key example of innovation in circular manufacturing and sustainable remanufacturing practices

Table 27: Visit by the Provincial Council, TECNALIA 2025

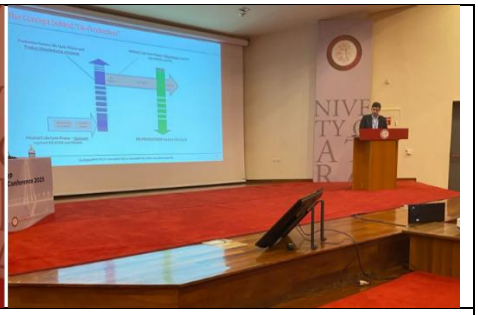
Photo	 
Event/Activity	35th CIRP Design Conference 2025
Date	02-04 April 2024
Location	Patras, Greece
Description	CIRP DESIGN 2025 brings together the design communities of both academia and industry that support products and their lifecycle.
Partner	INESC
Target Audience	Academia, Industry, Researchers
Key Outcomes	The project was highlighted as a key example of innovation in circular manufacturing and sustainable remanufacturing practices. Organized workshop with LMS to present new results: "De-Production model combining R-Strategies and D-Strategies in product and production systems life cycles: Application to Remanufacturing

Table 28: 35th CIRP Design Conference 2025

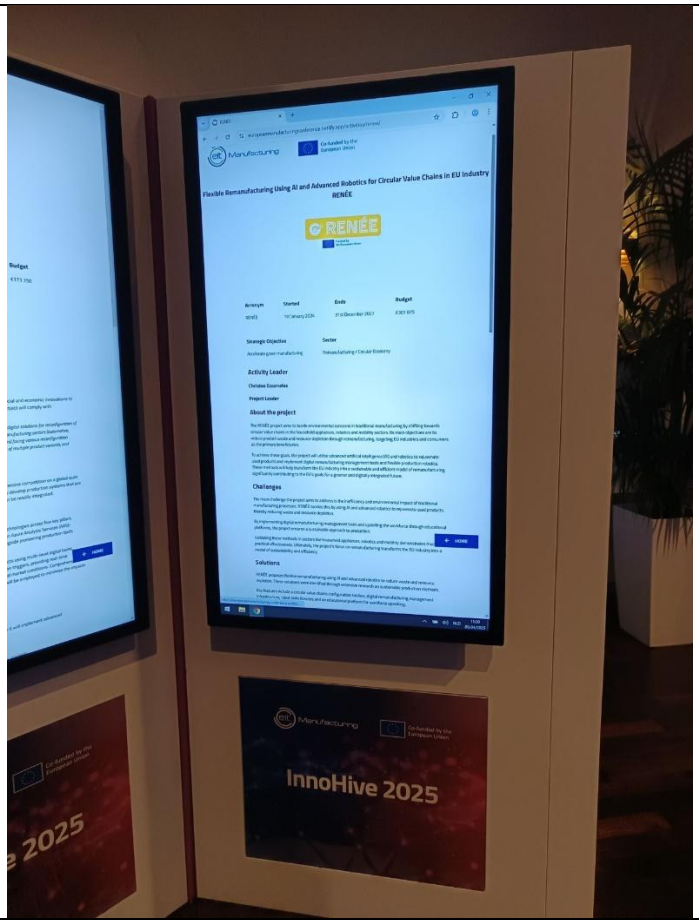
Photo	
Event/Activity	InnoHive 2025 by EIT Manufacturing
Date	April 8-10, 2025
Location	Brussels, Belgium
Description	InnoHive by EIT Manufacturing is a biennial event designed to integrate in-depth expert sessions, networking and tailored collaboration opportunities.
Partner	EITM SE – RENÉE presented in the expo area, engaging with industrial leaders
Target Audience	Key players in European manufacturing, including industry leaders, investors, policymakers, academia, research centers, startups, scaleups and emerging talent.
Key Outcomes	Established new partnerships, received feedback on project developments.

Table 29: InnoHive2025 by EIT Manufacturing

Table 30. DEFEA 2025

Photo	
Event/Activity	DEFEA 2025
Date	May 6-8, 2025
Location	Athens, Greece
Description	DEFEA – Defence Exhibition Athens (6–8 May 2025) is a leading international event under the auspices of the Hellenic Ministry of National Defence, showcasing cutting-edge technologies in land, naval, aerospace, cyber security, and dual-use applications. It brings together government, industry, and innovation stakeholders to foster collaboration across defence and civilian sectors.
Partner	EIT Manufacturing South East
Target Audience	Government and military officials Defense and security industry leaders Dual-use technology providers Innovation and R&D organizations Public procurement and policy stakeholders
Key Outcomes	Showcasing of advanced defense and dual-use technologies New business and procurement opportunities Strategic partnerships and networking across public and private sectors Exposure to international markets and defense stakeholders Support for dual-use innovation and civilian spin-offs

Table 31: DEFEA 2025

Photo	
Event/Activity	Access2Tech Europe I İzmir 2025
Date	27 May 2025
Location	Izmir, Türkiye
Description	The Teaching Factory Competence Center and Arcelik participated in the Access2Tech Europe | İzmir feat. IndustX Demo Day on May 27, 2025, held at İzQ Innovation Center in İzmir, Türkiye.
Partner	TF-CC
Target Audience	Industrial stakeholders, startups, and innovation leaders
Key Outcomes	The event served as a platform to present RENEE's approach to circular manufacturing, workforce upskilling, and resilient production systems, while fostering new collaboration opportunities across the European industrial ecosystem.

Table 32: Access2Tech Europe I İzmir 2025

Photo	
Event/Activity	Manufacturing Performance Days (MPD) 2025
Date	3-5 June 2025
Location	Tampere, Finland
Description	TF-CC represented the RENEE project at MPD2025, showcasing its goals and key outcomes on circular manufacturing and AI integration. The booth highlighted RENEE's role in supporting reskilling and workforce transformation for a more sustainable and resilient manufacturing sector.
Partner	TF-CC
Target Audience	Industry stakeholders, researchers, SMEs, policymakers, and innovation actors across Europe
Key Outcomes	Increased visibility of RENÉE among industry and research communities; promotion of circular economy solutions; direct engagement with stakeholders on skills development and AI-driven remanufacturing strategies

Table 33: Manufacturing Performance Days (MPD) 2025