

R3-Mydas to Present Circular Remanufacturing Solutions at Final Event in Lisbon

EU-funded project will showcase digital and mechatronic solutions for extending the life of industrial components at Professionals of the Future III on 20 October 2026.

The European project R3-MYDAS (Remanufacturing, Repurposing and Recycling energy goods through advanced Mechatronic and Digital technologies) will hold its Final Event as part of the 3rd edition of Professionals of the Future event, organised by The European Federation for Welding, Joining and Cutting, (EFW) on the 20th October 2026 in Lisbon, Portugal. The event will bring together stakeholders from industry, research, education, training and technology organisations to discuss the future of sustainable and human-centric manufacturing in Europe.

Funded by the European Union under Horizon Europe, R3-MYDAS has developed an innovative multi-actor framework that integrates advanced digital technologies, mechatronics and social sciences to accelerate the transition to circular industrial value chains. The project's solutions address the remanufacturing, repurposing and recycling of high-value energy-related products, helping European industries reduce resource consumption while improving competitiveness and resilience.

Over the course of the project, 15 organisations from 9 European countries joined forces to develop, test and validate innovative approaches for circular manufacturing. The consortium combined expertise from industry, research, digital technologies, advanced manufacturing and skills development, creating a truly multidisciplinary ecosystem to support Europe's twin green and digital transition.



Oil & Gas Components



E-Vehicle Batteries



Wind Turbine Gearboxes

Through three industrial use cases covering oil and gas components, electric vehicle batteries and wind turbine gearboxes, R3-MYDAS has developed and tested solutions designed to make remanufacturing processes faster, more reliable and less resource-intensive.

The project's targeted impacts include a reduction of up to 60% in remanufacturing programming time, improvements of up to 20% in product quality, reductions of up to 30% in rework, and raw material savings of up to 85% in selected wind energy applications.

The project has also developed a marketplace concept linking remanufactured products and services with a Digital Passport-like information framework, helping ensure enhanced traceability, transparency and trust throughout product lifecycles.

The Final Event will present the project's main achievements, lessons learned and policy recommendations for the future of circular manufacturing in Europe. Participants will have the opportunity to explore how digitalisation, data-driven decision-making, advanced remanufacturing technologies and workforce development can collectively support more sustainable industrial ecosystems.

"R3-MYDAS demonstrates that Europe's circular transition requires not only technological innovation, but also collaboration, skills development and trust across entire industrial value chains. Our Final Event will provide an opportunity to share practical solutions that can help shape the future of sustainable manufacturing."

Fátima Zorro, R3-Mydas Project DEC Manager

Hosted within Professionals of the Future III, the event is fully aligned with this year's theme, "Human-centric (Re)manufacturing in the Era of AI". The conference will explore how technological innovation, artificial intelligence, digitalisation and circular economy principles can be combined with effective education, training and qualification strategies to ensure that people remain at the centre of industrial transformation.

Professionals of the Future III is expected to attract participants from across Europe, offering a unique forum to exchange experiences, discuss future challenges and strengthen collaboration between industry, education, research and policy communities. Registration for Professionals of the Future III is now open.

"Professionals of the Future III provides the ideal platform to connect technology, industry and people. By hosting the R3-MYDAS Final Event, we highlight the importance of ensuring that future manufacturing systems remain both innovative and human-centred."

Rita Bola, EWF Head of Project Unit

More information: <https://www.ewf.be/ns/potfiii.aspx> Registration Link: [Professionals of the Future](#)

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