







Remanufacturing, Repurposing and Recycling Energy Goods through advanced Mechatronic and Digital technologies

SHAPING SUSTAINABLE FUTURESTHROUGH INNOVATIVE REMANUFACTURING FOR ENERGY GOODS

The R3-MYDAS objective is to establish sustainable circular value chains for remanufacturing energy goods by creating a multi-actor framework that combines digital technologies, mechatronics, and insights from social sciences and humanities.

KEY DEVELOPMENTS



Marketplace for remanufactured products



Digital twins



Digital Product Passport



Additive manufacturing, laser-cladding and automated disassembly/reassembly of pieces



Application of machine learning for process and quality control



Integration of social sciences and humanities

STUDY CASES



Oil & Gas components



E-vehicle batteries



Wind turbine gears





Carbon footprint

reductions



Environmental impact reduction

Partners



Cost reduction

netcompany

intrasoft















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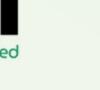






















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Project n°101138738