

SUSTAINABLE SOLUTIONS FOR RECYCLING OF END-OF-LIFE HYDROGEN TECHNOLOGIES



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KEY ELEMENTS

BEST4Hy overall objective is to bring to TRL5 recycling technologies adapted specifically for PEMFC and SOFC which would ensure the maximization of recycling of critical raw materials including Platinum Group Materials (PGMs), rare earth elements, cobalt and nickel.

The End of Life (EoL) strategy supported is accompanied by LCC and LCA evaluations to ensure it delivers the best (cost effective and low environmental impact) material for closed loop and open loop recycling.

Materials are evaluated for quality and performance in remanufactured PEMFC & stacks and SOFC, so to deliver a concrete validation of the circularity potential within the hydrogen device industry.



HIGHLIGHTS



Recycled critical raw materials in SOFC cells manufacturing.



lonomer in the manufacturing of PEMs stacks.



Platinum in the manufacturing of PEMs stacks.





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