



WHY IT MATTERS

Less dependence on imports

- Stronger European industry and innovation
- Cleaner, circular, and more ethical material sourcing
- A resilient foundation for the EU's green and digital transition

THE REMHUB PROJECT

- 24 partners across 6 countries
- Funded by the European Union's Horizon Europe programme
- Duration: 2024–2028



 remhub-project.eu

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See full list of partners

REMHUB

Rare Earth & Magnets
for a Resilient Europe

REM
Hub



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BUILDING EUROPE'S SELF-SUFFICIENCY IN CRITICAL RAW MATERIALS

WHY REMHUB MATTERS

Rare Earth Elements (REEs) and permanent magnets are essential for technologies like electric vehicles, wind turbines, and digital devices. Yet, Europe relies heavily on imports. REMHub strengthens the EU's autonomy by developing innovative, sustainable, and traceable solutions for sourcing, using, and recycling REEs.

WHAT IT DOES

- REMHub builds a cutting-edge business and innovation hub that:
- Develops and pilots new technologies for REE exploration, production, and recycling
- Recovers REEs from side streams and end-of-life products through Re-X technologies (reuse, recycle, refurbish, repurpose)
- Designs electric machines for easier permanent magnet recycling
- Implements digital tools such as traceability systems, digital twins, and material passports
- Supports market access through a service-based digital platform

OUR IMPACT

- Enhances REE supply security in Europe
- Supports the green transition and circular economy
- Improves resource efficiency across the REE value chain
- Strengthens industrial capacity and innovation in the EU

WHAT IS REMHUB

REMHub is a European innovation project focused on Rare Earth Elements (REEs) and permanent magnets. These materials are essential for clean energy, digitalisation, and defense—but the EU imports nearly all of them.

We are building a business and innovation hub to accelerate Europe's ability to explore, produce, recover, and reuse REEs—sustainably and securely.

OUR MISSION

- Secure Europe's access to rare earths and permanent magnets by developing new technologies for REE exploration, refining and permanent magnets production
- Reduce waste and dependency by secondary sourcing of REEs and permanent magnets from side streams and end-of-life products
- Support circular design for the development of permanent magnets and electric motors using Re-X methodologies
- Enable transparency and recyclability through traceability and digital twins
- Strengthen EU resilience by developing a platform to scale industrial access to innovations, technologies, and services in the REE and PM sectors

