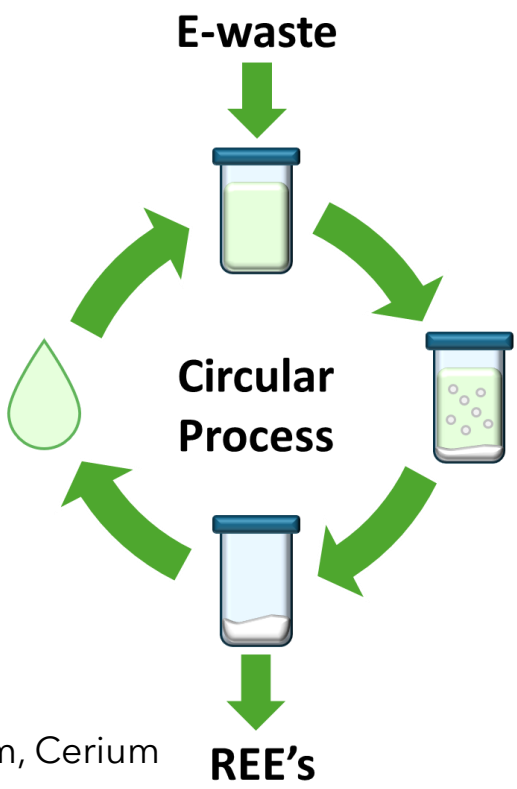
# Rare Earth Recovery and Separation from e-waste

REACT

Our novel rare earth element (REE) recovery method goes beyond alloy extraction, enabling the production of high-purity REEs.
The advanced metal separation chemistry selectively recovers target rare earths from e-waste through a fast, targeted, fully recyclable, and circular process.

## How it works?

E-waste is dissolved into a proprietary solvent/additive system, resulting in fast separation of the REE of interest. Both the proprietary solvent and the additive can be easily recovered and recycled and re-introduced into the circular system for future separations.




## Possible e-waste streams

**Phosphors in lighting**
Cerium and Europium

**Displays and screens**
Lanthanum Europium, Terbium, Yttrium, Cerium

**Magnets**
Neodymium, Dysprosium, Lanthanum, Terbium

## BENEFITS

- ✓ Extracts pure REE
- ✓ Faster and more targeted than conventional processes
- ✓ Works on a range of waste streams
- ✓ Reusable and multi-purpose solvent reduces environmental impact

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