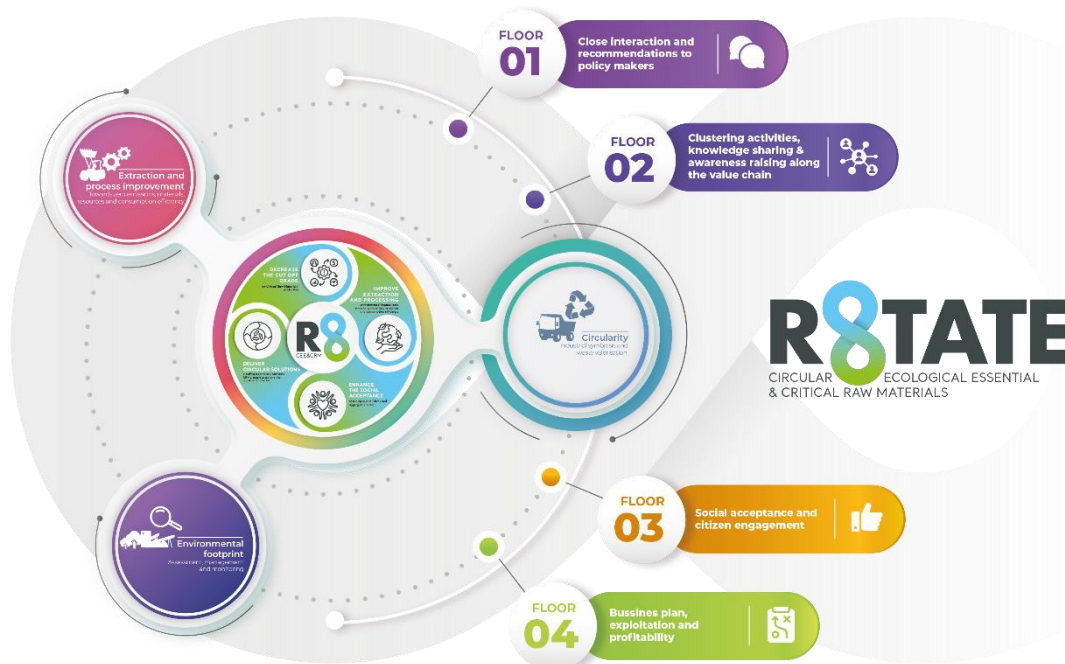


## ROTATE



### Summary:

ROTATE is a Horizon Europe-funded project that aims to provide environmental solutions that will contribute to facilitate the generation of synergies between diverse industrial sectors related to mining and quarrying. ROTATE goals are the following: to boost efficiency in extractive sites, enhance circularity and waste valorisation, develop sustainable processes along the mining and quarrying productive chain, and improve social awareness about the importance of this strategic sector and its commitment to sustainability. In fulfilling these goals, ROTATE also seeks to ensure a sustainable supply of critical raw materials crucial for the EU industry.

### Duration:

1 September 2022- 31 August 2026

### Objectives:

ROTATE aims to provide the mining and quarrying market with profitable and replicable solutions regarding:

1. Cut-off grade decrease: Drop the cut-off grade related to the production of critical raw materials
2. Ecofriendly extraction & processing: Minimise the environmental impact (zero emissions, materials, resources, and consumption efficiency) for all the common

procedures involved in the extraction and processing in open cast critical raw materials mines and quarries.

3. **Circularity:** Deliver circular solutions for waste valorisation, creating a symbiosis between the critical raw materials and aggregates industries and the construction sector.
4. **Social acceptance:** Provide co-creative strategies to enhance the social acceptance of the open cast extracting industry, supported by a robust policy interaction and a strong clustering network.

#### **Use cases:**

The investigated cases comprise a range of critical raw materials and aggregates, including primary extraction of different materials (limestone, sands and gravels, granite, and celestite, among others).

**Budget:** € 14 212 290,49

#### **Project Consortium**

- Asociación Nacional de Empresarios Fabricantes de Áridos, ANEFA (ANEFA)
- Centro Tecnológico Marmol (Centro Tecnológico Marmol)
- CITEPA (CITEPA)
- Chalmers University (Chalmers University )
- Imperial College (Imperial College)
- Metso Outotec (Metso Outotec)
- Universidad Politécnica de Madrid (UPM)
- Hormisoria (Hormisoria)
- Danish Technological Institute (DTI)
- Université de Liège Gembloux (ULIEGE)
- Gate to Growth (GATE2GROWTH)
- Canteras Industriales (Canteras Industriales)
- Advanced Mineral Processing (AMP)
- Cimpor (CIMPOR)
- ROCTIM (ROCTIM)
- Fundación Tormes (Fundación Tormes)
- AKKA High Tech (AKKA)
- LafargeHolcim (LAFARGE)
- VELDE (VELDE)
- VITO (VITO)
- Zabala (ZABALA)

#### **Social Media**

Webpage: <https://rotateproject.eu/>

Twitter: @RotateProject

LinkedIn: @ROTATE

Instagram: rotate\_project