

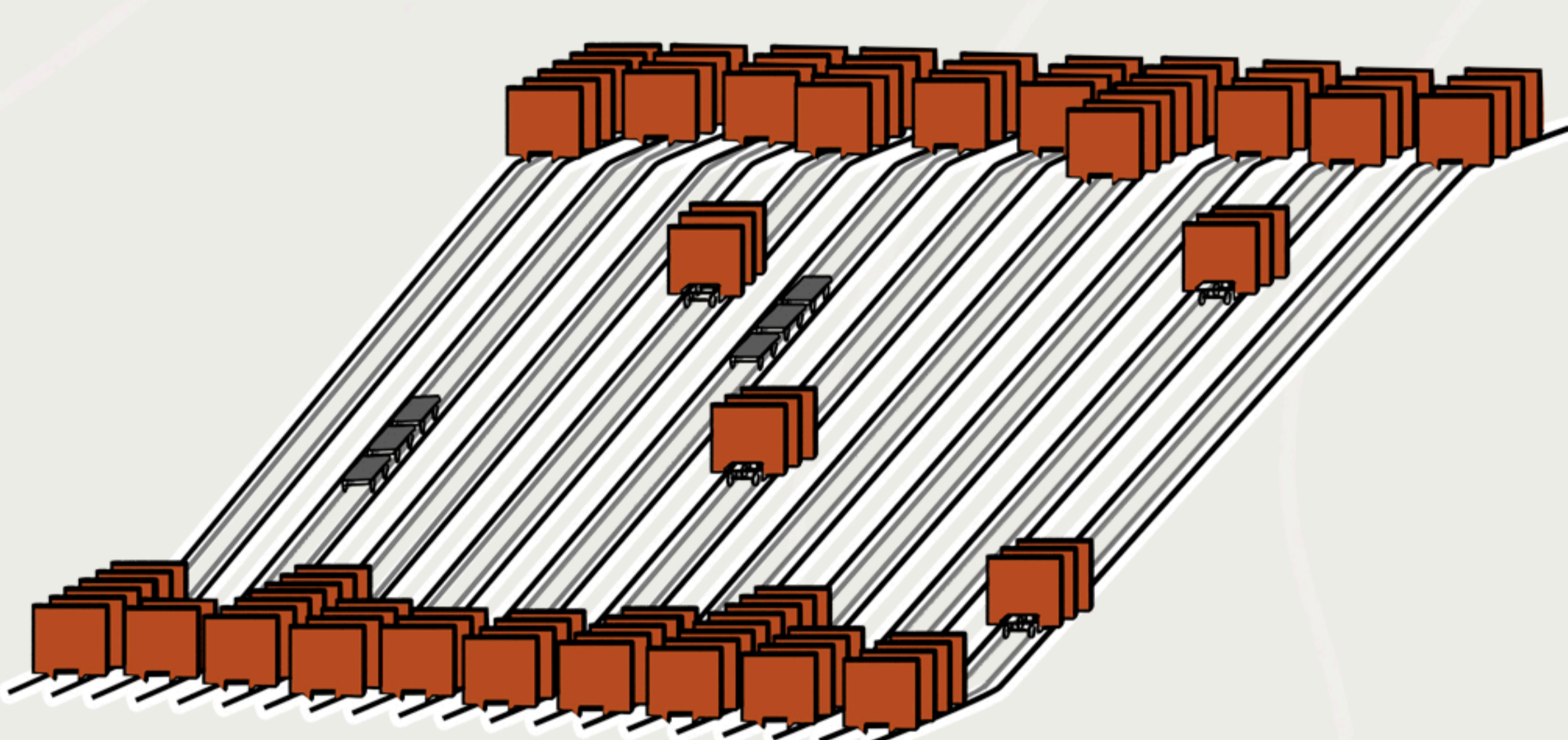


# GRAVITATIONAL ENERGY STORAGE IN POST-MINE AREAS

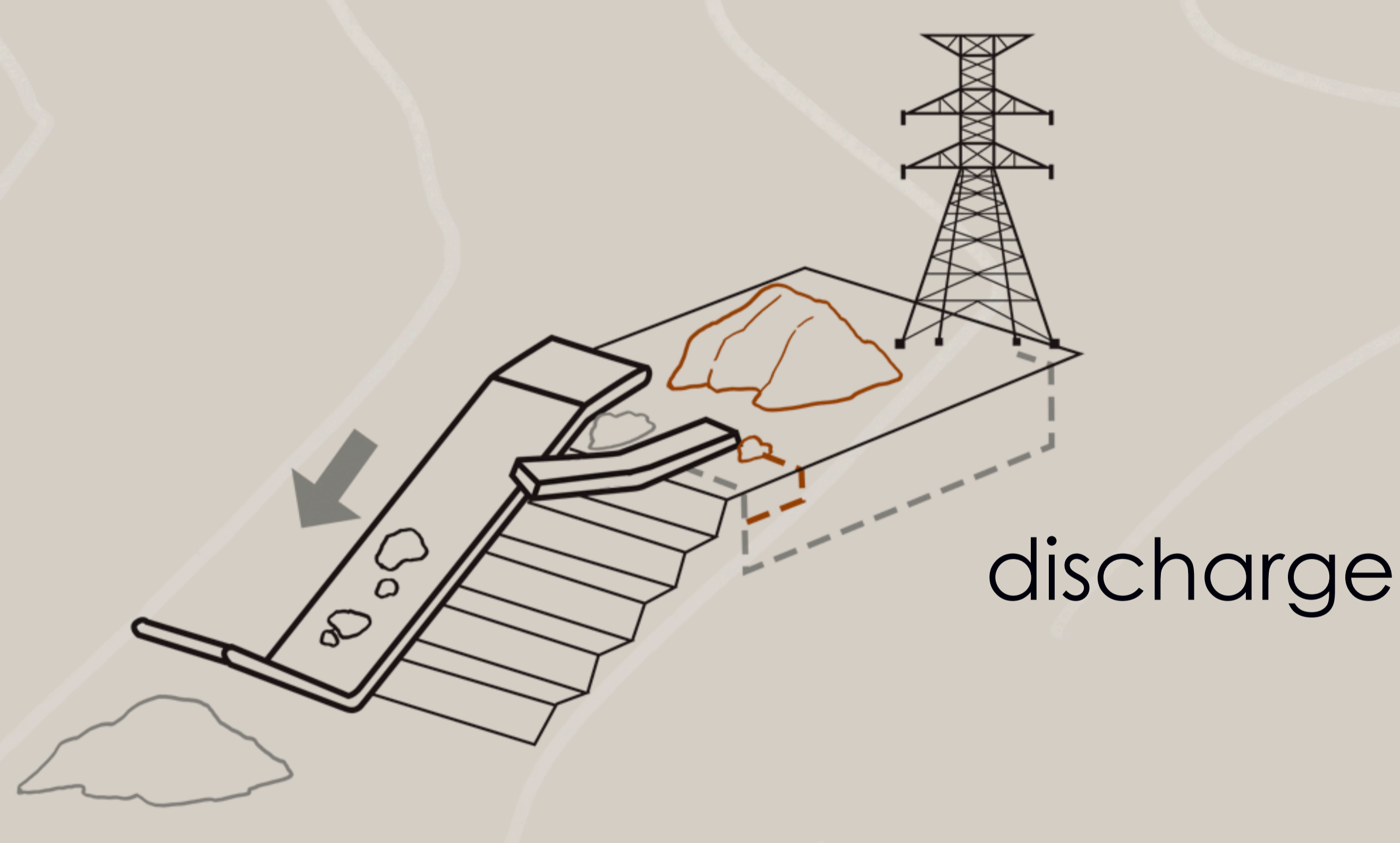
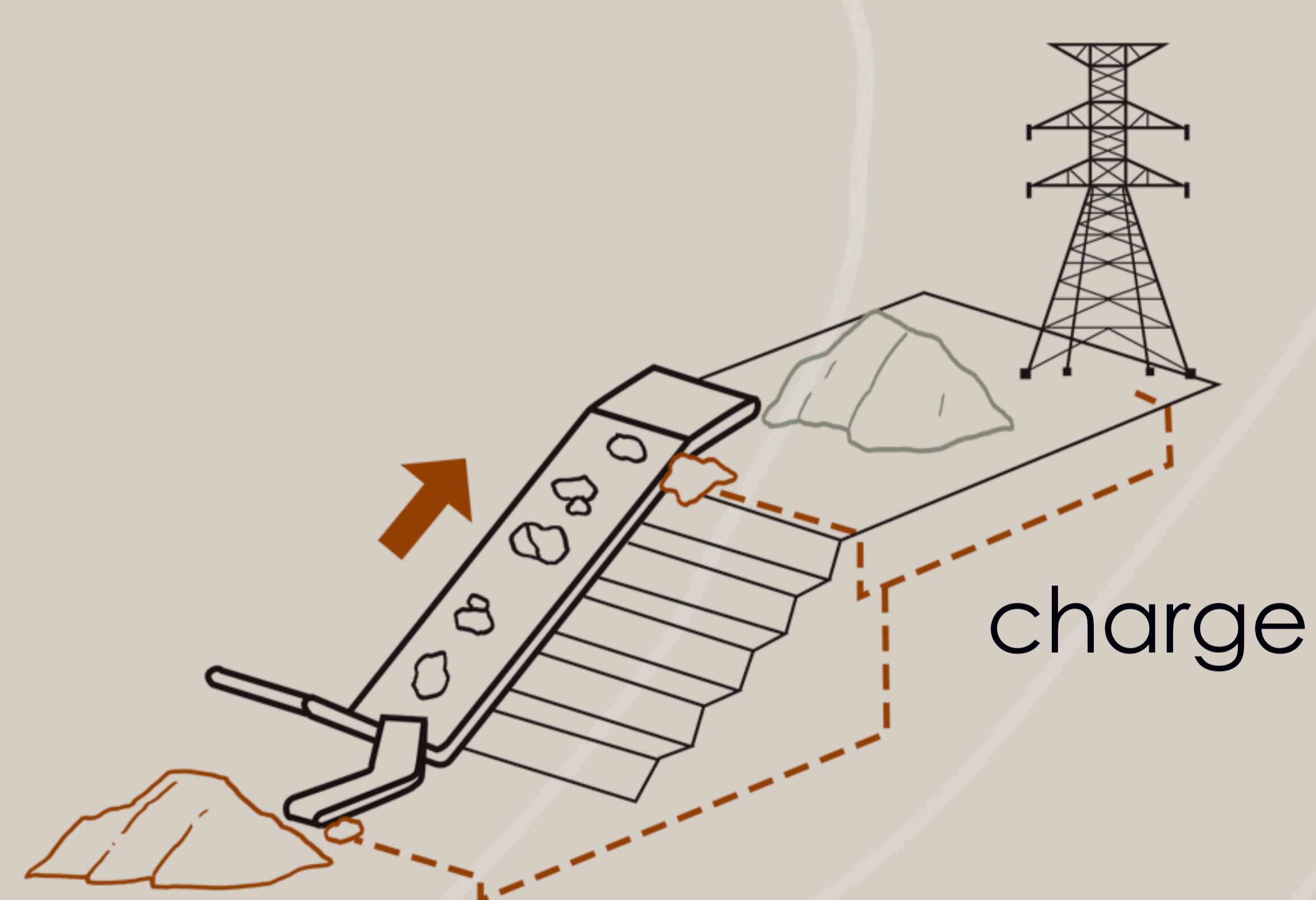


## Our purpose:

The main objective of the Gravitational Energy Storage in Post-Mine Areas project is to develop novel gravitational energy storage systems located in former mining areas and waste dump sites. These systems move heavy blocks or bulk granular materials between different elevations to store and release energy.



To validate gravitational storage, the project will include detailed mathematical modelling, physical testing with small-scale demonstrators, and the creation of a comprehensive tool for assessing the suitability of open-pit mining sites for gravity-based energy storage.



Get to know us,  
scan the code

## Consortium Partners – 4 countries:

### Poland

Wrocław University of Science and Technology,  
AGH University of Krakow  
Four Point sp. z o.o.  
PGE Górnictwo i Energetyka  
Konwencjonalna S.A.  
„Poltegor-Institute” Opencast  
Mining Institute

### Greece

Technical University of Crete  
Lignitorycheia Achladas S.A.

### Czechia

VUHU a.s.

### Romania

University of Petrosani  
Societatea Complexul Energetic  
Oltenia Sa



Co-funded by  
the European Union