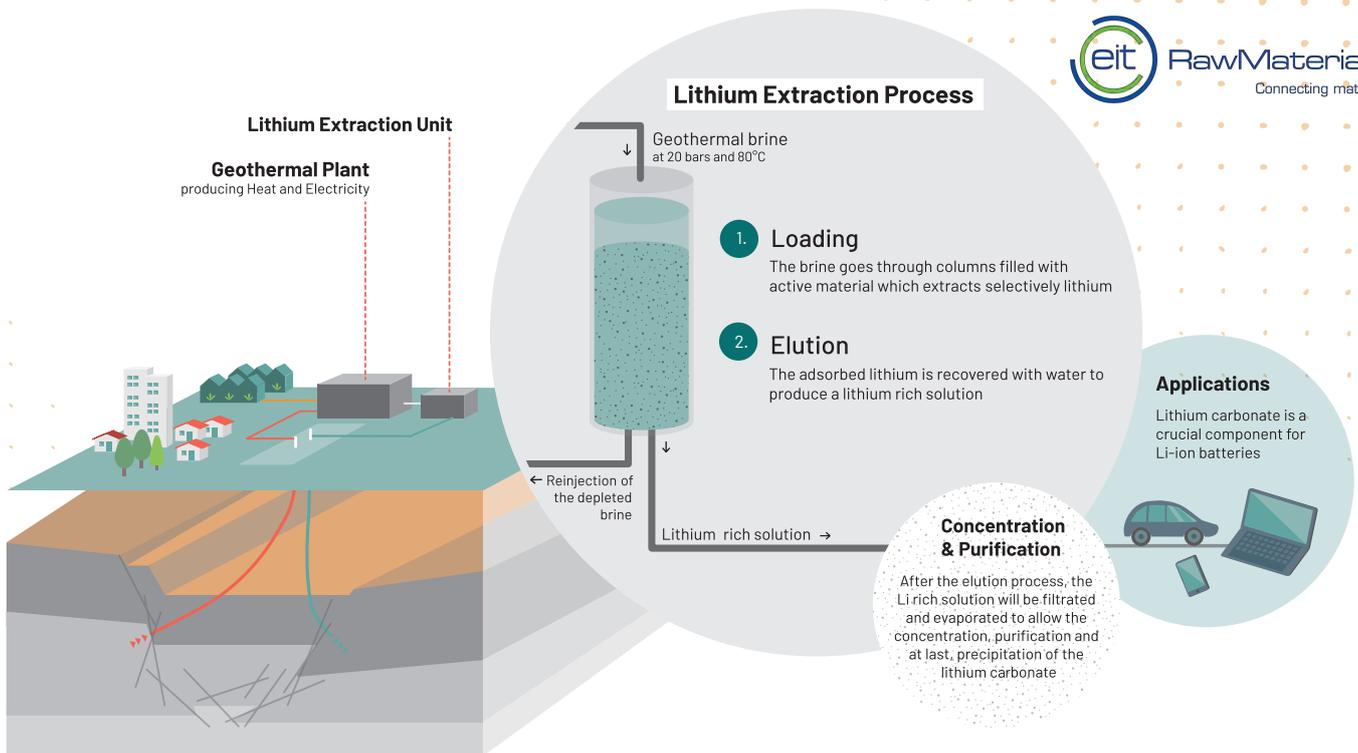


## PROJECT OBJECTIVE | KEY FIGURES

Plug-in a direct adsorption process on the cold branch of an **existing geothermal facility** to extract lithium from the brine

2019-2021  
3.9 M€  
5 weeks of pilot trials



## ACTIVITIES

- Active material development, characterisation and industrialisation
- Pilot test on site and proof of concept on a geothermal plant in Alsace, France
- Resource mapping
- Lithium adsorption and process modelling

## MAIN CHALLENGES

- **Adaptation** of the active solid to the brine features and operational conditions:
  - Li - 160mg/L
  - High temperature (80°C)
  - High pressure (20bars)
- Process must be **environmentally friendly** as the brine is re-injected underground
- Lithium carbonate must be **battery grade**



CONSORTIUM



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