

Geothermal is the most under-utilized of renewable sources due to high investment costs and long development cycle. 53% of the cost is in drilling and it is time-dependent.



# GEODRILL

Geo-Drill aims to reduce drilling costs through development of a novel DTH hammer, an advanced drill monitoring system with low-coat and 3D printed sensors and an improved component life through advanced materials and coatings.

## Objectives



## Consortium

The Geo-Drill consortium comprises of 12 partners across Europe. All the partners have complementary expertise necessary to develop, disseminate and exploit Geo-Drill project.



## Services



## Socio-economic impacts

- approx. 29-60% CAPEX reduction for a 5MW deep geothermal plant installation
- reduce global warming potential (GWP) emission by 2,071-9,913 tonnes of CO2 equivalent during the installation of a 5MW deep geothermal plant and in the global context, the annualised saving will be as much as 11 - 48 million tonnes CO2 equivalent GWP emission for the period 2027 to 2031
- create an annualised global market size of €222 million around Geo-Drill within 2027 to 2031
- create 4,000 to 5,000 new job opportunities around Geo-Drill within 2027 to 2031



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