

# Deliverable D4.10

## Application for support on field for workers on Geothermal field user manual

### WP4

<b>Grant Agreement number</b>	792355
<b>Project acronym</b>	GEO4CIVHIC
<b>Project full title</b>	Most Easy, Efficient and Low Cost <b>Geothermal</b> Systems for Retrofitting <b>Civil</b> and <b>Historical</b> Buildings
<b>Due date of deliverable</b>	31/03/2022
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#### Dissemination Level

<b>PU</b>	Public	
<b>CO</b>	Confidential, only for members of the consortium (including the Commission Services)	<b>X</b>
<b>CI</b>	Classified, as referred to in Commission Decision 2001/844/EC	

## **Publishable summary**

The deliverable D4.10 “Application for support on field for workers on Geothermal field user manual”, is a confidential document submitted in the context of WP4 and linked to Task 4.4: “Development of an Application for support in situ workers on Geothermal field”, whose aim is to simplify and encourage the work of designers and GSHE installers.

The GEO4CIVHIC project aims to foster the retrofitting of civil and historical buildings by facilitating installation, reducing costs and increasing efficiency of the different components through shallow geothermal systems. This aim will be achieved, on the one hand, by improving drilling machines and methodology, optimising GSHE design and materials, and using more compact and hybrid HPs for high and low-temperature terminals. On the other hand, a set of software tools will be developed to provide a holistic engineering solution to optimise the installation and operation of GSHPs. One of these tools is the Drillability App (Task 4.4), described in this deliverable.