

# Deliverable D4.9

## Applications for support on field for workers on Geothermal field

### 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>	31/12/2021
<b>Lead beneficiary</b>	RED
<b>Other authors</b>	Silvia Contini, Giulia Mezzasalma (RED)

#### 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 D4.9 “Applications for support on field for workers on Geothermal field” 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 aim of the GEO4CIVHIC project is 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 will be achieved, on one hand by improving drilling machines and methodology, optimizing 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 installation and operation of GSHPs. One of these tools is the Drillability App (Task 4.4), described in this deliverable.