



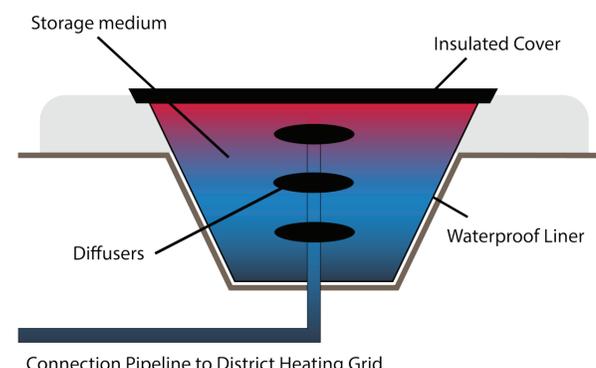
@treasure-project

www.treasure-project.eu

GOAL

The **TREASURE** project focuses on developing large underground heat storage systems. These systems play a crucial role in utilizing renewable energy for heating neighborhoods and industries by bridging the temporal mismatch in availability of renewable energy sources and heat demand.

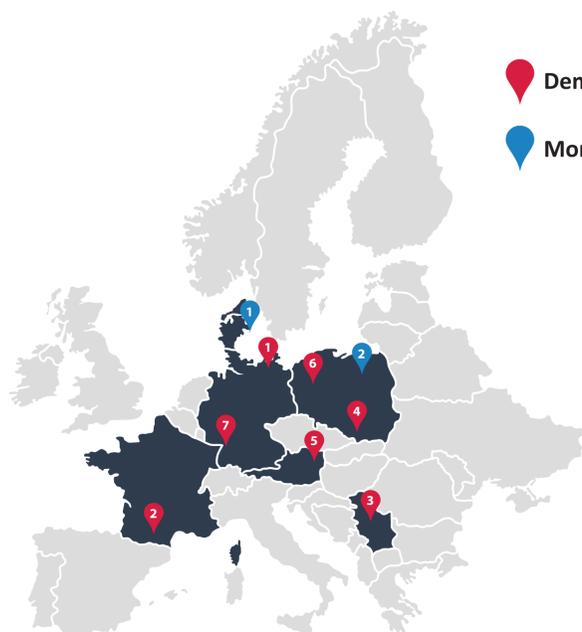
By storing heat underground, the project aims to provide a reliable and sustainable heat supply, which can help reduce reliance on fossil fuels and lower thus greenhouse gas emissions. This innovation is particularly important for regions aiming to transition to renewable energy sources and improve energy efficiency in heating systems.



DEMONSTRATIONS

TREASURE project enables the realization of seven Pit Thermal Energy Storage (PTES) demonstrators in five different countries and has a constant interchange with a group of 16 satellite initiatives, collecting its experiences and feeding these with knowledge and experiences from **TREASURE**.

The project aims to go beyond the state of the art of existing PTES systems in the field by establishing a close cooperation and exchange between the 7 international demonstrators - each of which will present unique technical and social challenges and benefits for their respective cities.



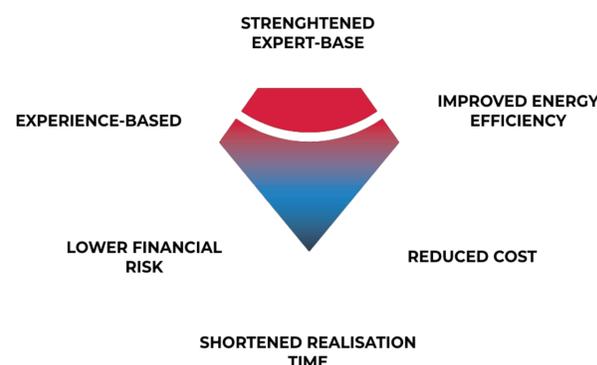
 **Demonstrators**
 **Monitoring PTES**

	Location	Volume of PTES (m ³)
	Rostock	500.000
	Pau	340.000
	Pancevo	150.000
	Bytom	90.000
	Wien	40.000
	Choczno	30.000
	Hechingen	18.000
	Høje Taastrup	70.000
	Lidzbark Warminski	15.000

AMBITIONS

The **TREASURE** project strives to establish a new benchmark for PTES systems, making them:

- Financially more viable and faster to realize.
- More cost-effective and energy-efficient.
- Experience-driven and supported by a robust expert network for broader implementation across Europe



PARTNERS



 **Funded by the European Union**

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