

TherMOS

Thermal Energy Storage – Mobile and On Site

What challenge or problem are you addressing? What is the need for the project?

On SME level (including agriculture), there is a huge amount of low temperature waste heat available that is underutilized. There is often a mismatch between production and consumption in TIME and/or LOCATION.

In a low carbon economy, we aim to extend the use of waste heat. The missing link for SMEs is thermal energy storage: on site (stationary systems - TIME) or between companies (mobile thermal systems - LOCATION).

Objective of the project:

Identification and analysis of suitable technical solutions for SMEs: focus on PCMs, TCMs, water/ice. From basic solutions to advanced systems.

Demonstration of energy storage on site and mobile thermal systems.

Why do you need transnational cooperation?

Some NWE countries (eg Germany) are leaders in thermal energy storage systems. We want to enhance the territorial cohesion on this topic by exchanging knowledge and good practice.

As a region, NWE also must focus on the use of excess heat to reach European greenhouse gas reduction targets.

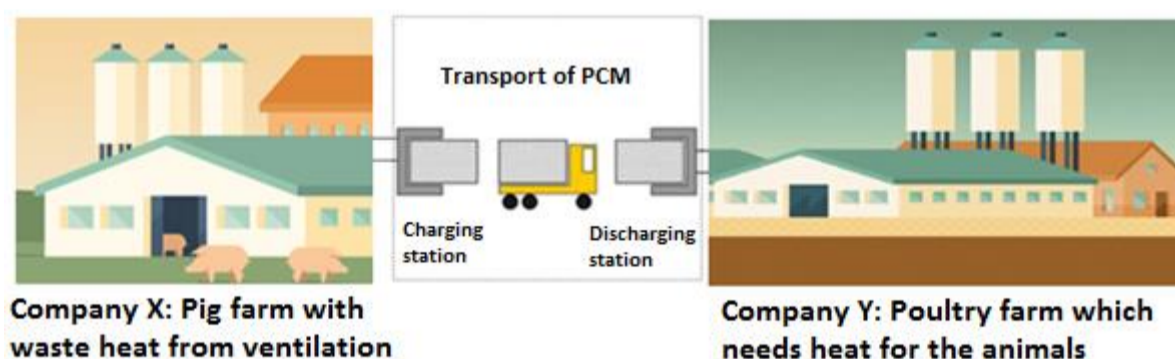
The impacts of scale will help the market introduction of thermal energy storage systems for SMEs.

Types of partners:

Scientific partners: technical knowledge on energy storage systems, logistics and business models

Sector organizations: user profiles, demonstration/pilots, business modeling, linking up with SMEs

SMEs: demonstration/pilots



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