

# About us



Rubitherm® Technologies GmbH is the expert in PCM technology and development since 1993.

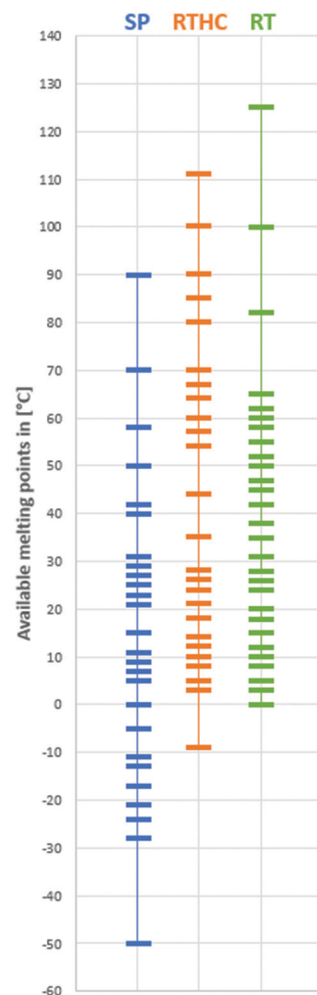
Our core competences are thermal batteries / thermal energy storage systems TES and materials for a wide array of applications, such as sustainable heating and air conditioning systems, transport of temperature-sensitive goods / pharmaceutical logistics / cold chain, the automotive industry for HVAC and batteries, functional textiles and the use in medical/therapeutic therapy.

## What is PCM

PCMs (phase change materials) are materials that store vast amounts of energy through their phase change property.



## There is a PCM for everybody



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# SUMMER IS COMING

## PHASE TUBE

MADE BY RUBITHERM

## Beat the heat with the PhaseTube

# How it works

# The PhaseTube

**RUBITHERM**  
Phase Change Material



0°C  
▶  
0°C

333,5 kJ/kg  
latent



0°C  
▶  
80°C

333,5 kJ/kg  
sensible





PCM work like technical ice-cubes – they store and release a lot of energy.

Rubitherm can set the melting temperature to what you need for your application!

**PHASE  
TUBE**  
MADE BY RUBITHERM

## Cool Storage

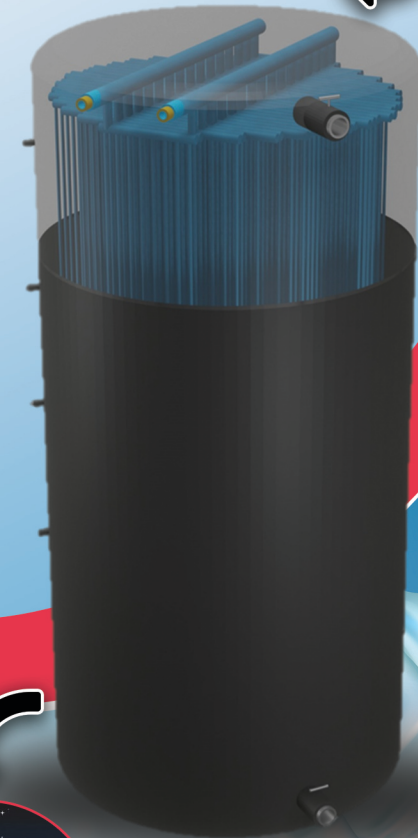
-  Save money
-  Conserve energy
-  Minimize CO<sub>2</sub>
-  Save space

The Phase Tube – your Cold Battery

Solar panels power your air conditioning during the day.

The PhaseTube stores free cold during the day and cools you at night.

Charging during  
the day



Discharging  
during the night