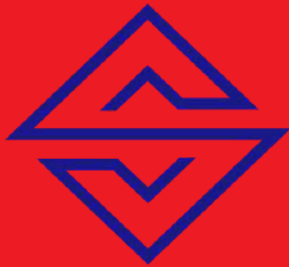


**PLUSS<sup>®</sup>**

TECHNOLOGY FOR  
A BETTER WORLD



**STARE**

**ACUSTARE**

PCM backup for cold storage

# ENERGY SAVINGS

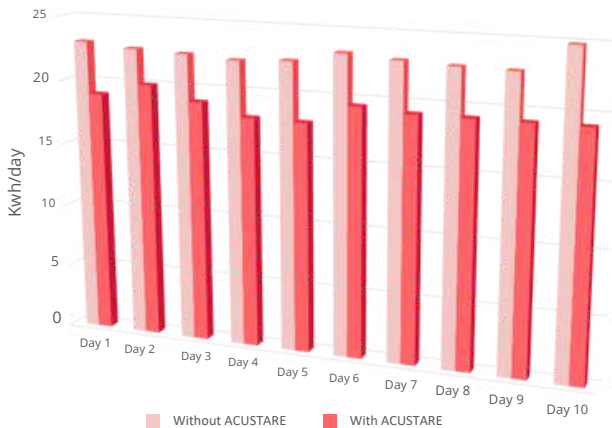
ACUSTARE will also help save energy, because it decreases the amount of compressor start/stops. Temperatures remain stable with the integration of PCM thermal mass in a cold room.

The Result: ACUSTARE system may lead up to 20% reduction in energy consumption. \*

# PEAK SHAVING

In the energy industry, peak shaving refers to leveling out peaks in electricity use by industrial and commercial power consumers. The ACUSTARE system can help you shave or shift the peak of your cooling load, bringing balance to the grid or save you money by storing energy when it's cheap.

## ACUSTARE CONSUMPTION COMPARISON



*\*depending on equipment settings*

# COLD ROOM BACKUP

The ACUSTARE system is your go-to solution to secure your stock from perishing due to any breakdown of equipment or power outages. By installing the ACUSTARE thermal batteries, with Pluss savE<sup>®</sup> PCM, energy can be efficiently stored. These plates have Phase Change Materials that solidify or turn liquid at a specific temperature. In this phase change they store or release thermal energy.

So, when temperatures rise above a certain threshold, this heat is absorbed by the PCM, keeping stored goods safe at the correct temperature.





## BENEFITS

- **Temperature Backup:** Offers reliable backup in temperatures from  $-20^{\circ}\text{C}$  to  $+8^{\circ}\text{C}$  for 12h, 24h, 36h or 48h.
- **Removable and Reusable:** Flexible components for adaptable storage, can be installed with magnetic fixtures.
- **Easy Installation:** Easily mounts on walls, ceilings or in shelves.
- **Energy Efficient:** Results in significant power savings up to 20%.
- **Optimal Space Usage:** build-up system height of only 3CM.
- **Security:** Guarantees safety for temperature-sensitive products.
- **Proven Technology:** ACUSTARE systems are keeping Pharmaceuticals safe in over 30 locations in Europe.



## **OUR MISSION**

Our goal is to make global cold-chain logistics more sustainable and energy efficient, ensuring the optimal preservation of pharmaceuticals and perishable produce; preventing waste while contributing to a greener future.

## **SOLUTION**

PCM backup in cold storages adds up to 48 hours of back-up during power outages, or it can store green solar power during the day to keep your warehouse cold during the night.




# MSI METROLOGY

The ACUSTARE system is an MSI France product using Pluss savE<sup>®</sup>PCM's. MSI is a metrology institute based in Calais (France) and has a long track record of temperature validations and creating temperature controlled solutions.

Cold rooms can be validated by MSI before and after installation of the ACUSTARE system. Ensuring correct temperatures and product safety.




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