





## **Technology Overview:**

Consists of controls and TES "cells" filled with food-safe PCM comprised of deionized water and inorganic salts



TES cells are passive and contain no mechanical parts

Controls modulate refrigeration system operations, not TES cells

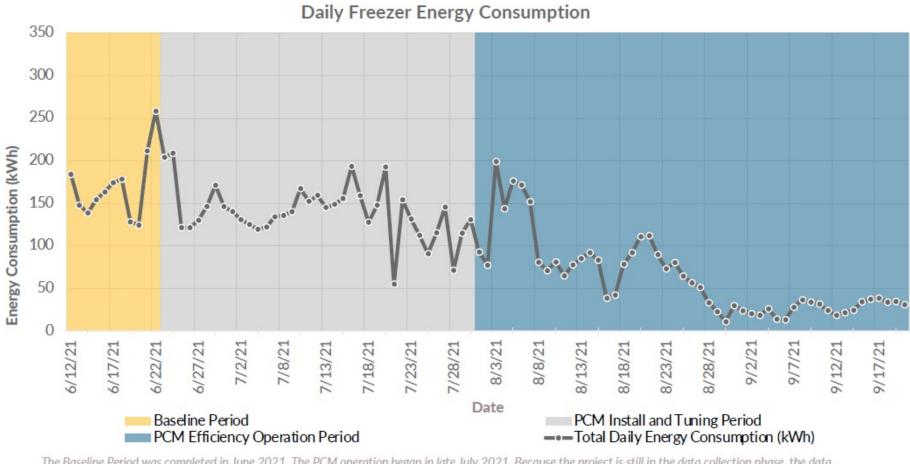
Cells are fitted into racks or bins and installed into existing product storage infrastructure

Operational data (energy use, temperatures, etc.) are reported in near real time and accessible via API



## **Site Data To Date: Freezer Energy Consumption**

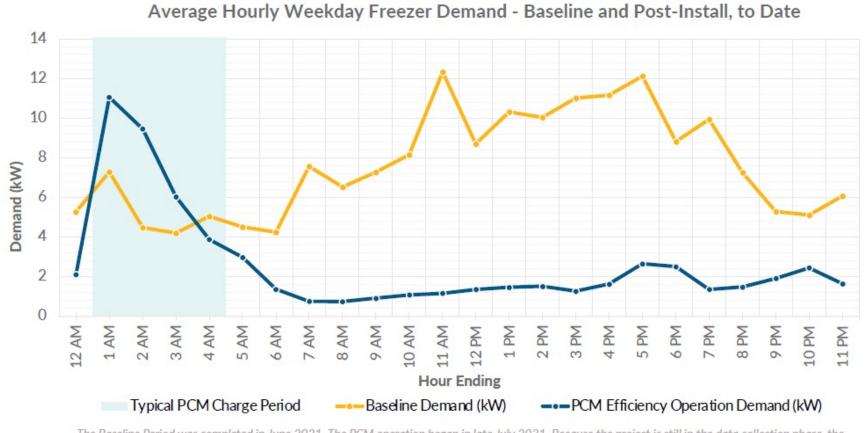
Energy consumption has decreased significantly during the intervention period as compared to the baseline period





## **Site Data To Date: Freezer Demand**

PCM charges in early morning and discharges throughout the day, keeping refrigeration system demand low





## **Site Data To Date: Equipment Runtime**

Equipment runs far less throughout the day. During PCM charging, refrigeration system operation peaks at or near baseline levels; then, minimal refrigeration system operation is needed for the rest of the day

