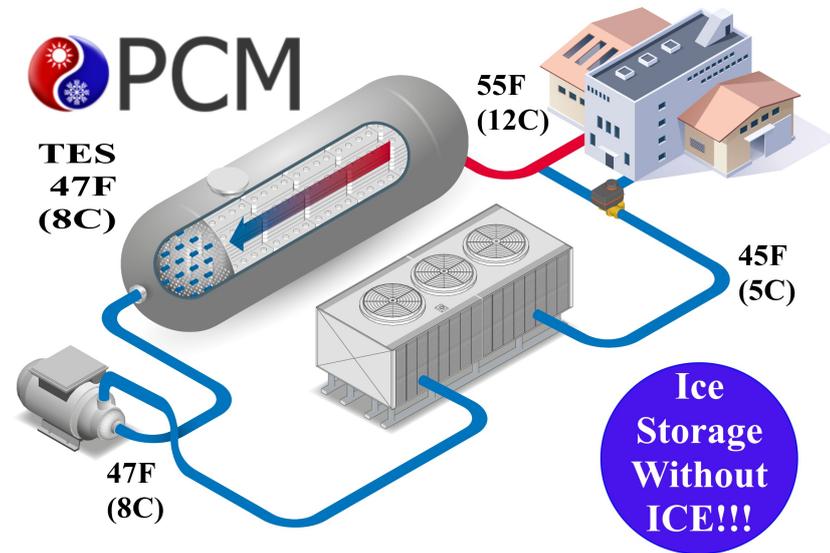


Norwegian University of Life Sciences, Campus Ås SLP, K302



Thermal Energy Storage (TES) bridges the time gap between energy requirement and energy use. This PCM-TES campus installation near Oslo, Norway utilises the installed infrastructure and by spreading the load over a 24 hour period one can installed half the number of mechanical cooling machines for the same peak loads.

Like any other educational facility bulk of the peak load occurs once the buildings are occupied but after office hours this large peak load subsides significantly. This campus PCM energy storage can be considered as a useful tool to spread the loads over 24 hours periods and thereby not only reduced the initial investment cost but also it offers reduced operational cost.



200 m³ (52,834 USG) in multiple tanks accommodating 40,000 FlatICE containers filled with +10C (50F) PCM Providing 9.0 MWh (2,560 RT-h) TES Capacity

