



THERMAL STORAGE SYSTEM FOR HEATING, VENTILATION AND AIR-CONDITIONING (HVAC) OPTIMISATION



Air conditioning systems, especially in commercial buildings are the biggest contributors to peak electrical loads seen on hot summer days. Cooling with Thermal Storage System (TSS) is the most cost-effective, reliable system approach of cooling offices, hospitals, malls, and other buildings. A TSS saves operating and installed costs while providing improved system efficiency and reliability. Larger facilities which have Time of Use (ToU) tariffs offer clear benefits for operational savings using TSS both in terms of reduced energy and demand costs.

However, any move to TSS requires they be managed and monitored to prevent inadvertent operational losses and an extension of payback period or lower return on investment.

BENEFITS OF TSS


- Offer significant financial savings in operational expenditure
- ICE tanks offer a life cycle of over 40 years. This means they may see 2-3 chiller retrofits without any change.
- A TSS saves operating and installed costs while providing improved system efficiency and reliability.
- The TSS may be used simply for demand control or reduction.
- The TSS may be used for normal commercial building operation a mix of 24/7 or even full 24/7 operation. It all depends on the operational requirements.




Through our specialist professional partners on the system we have the necessary design capability and operational experience of the system.

Able-Energy's role is the online monitoring and control of the system.

To find out how you can benefit from these and other solutions please make contact:

 031 503 5224/5

 info@able-energy.co.za

 M76 Bhungezi Road,
Incubator Building,
KwaMashu, 4360