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PRODUCT
MADE BETTER.**



TANKKI

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 **VALIO** ←

tehdaskonttori ←





Tankki Ice bank silo

- Thermal energy storage in form of ice -> For industries using icewater constantly in production. For example dairies and other food industry
- Biggest units can store up to 7 MWh of energy. Many clients have several units in serial or parallel connection



Benefits

- Thermal energy can be stored during the hours when electricity is available and cheap and unloaded during the expensive period
- Can be loaded at average power of consumption and high peaks are covered by melting the ice.
- Unused capacity of compressors can be stored to silo. During expansion of plant the old compressors can be used more efficiently



Benefits

- Unique self developed measuring system of ice thickness control enables high loading capacities
- Due to the construction it manages the high peaks easily and compressors are running at even power.
- Ensures the stable cold chain which is important in food industry.
- Compact storage due to the phase change from ice to water
 - Equal water capacity with 1 degree temperature change is over 6000m3



Construction

- Long lifetime as made from Stainless steel
- Hygienic construction advantage for food industry
- Biggest silos 7 Mwh has only foot print of 4.5 x 4.5 meters in yard
- Consists of over 8 kilometers of pipe where the ice is made around of it
- Over 170 pcs of silos around the world



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