

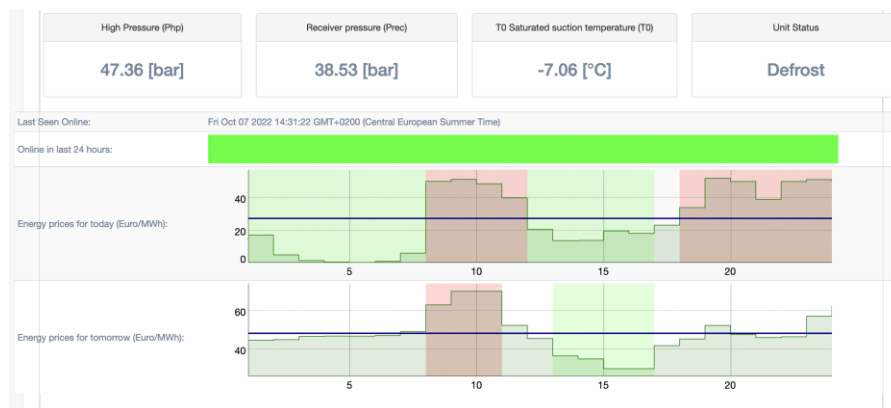
Media Release

Chillventa, October, 2022

Reftronix proudly introduces the concept of Off-Peak and Time-Of-Use functionality in refrigeration systems.

Based on day ahead kWh prices, the Reftronix cloud solution enables the ability to adapt defrost times and offset various setpoints and thereby reduce the day-to-day cost of running the refrigeration system.

Our unique, and unmatched, cloud solution makes interaction with the Reftronix controller possible by sharing kWh prices, kWh averages, based on geographical location, as well as other information:



Energy Price in Denmark Oct 7, 2022

After each defrost, the controller schedules the next defrost based on future kWh price and the configuration of the Time-Of-Day functionality. Room/Cabinet thermostat set point and main unit suction reference can also be offset to adjust runtime during periods of high, or low, kWh price.

In a typical 1 kW LT cooling capacity unit, 12 kWh is used to maintain temperature and 3 kWh is used for defrost, every 24 hours, and it is estimated an increase of room set point will result in a 5%/K saving.

Graph on the right show prices in Denmark on September 28th, 2022. Average for the period is 0.386 EUR/kWh.

Using average electricity price for the 24-hour period gives total cost of €5,79 or €2.113,35/year.

Initial trails have indicated a cost reduction of 23% resulting in an annual saving of €486,07 on just one unit

