



Chiller Optimization System

Green Energy Services Chiller Optimization System (COS) is helping commercial, educational, retail, office, and multi-family customers implement cost-effective, high performance technology solutions for energy management. Our COS is an out of the box solution that can easily be deployed without interruption to daily operations. No other energy solution will lower your energy bill as much as our COS, all while reducing energy consumption, and providing you with a cost-effective, no hassle solution.

How It Works

The Chiller Optimization System (COS) combines the highest quality state-of-the-art hardware with custom software and specialized chiller control algorithms. These proprietary system controls have been developed after hundreds of COS installations and 35 years of chiller experience.

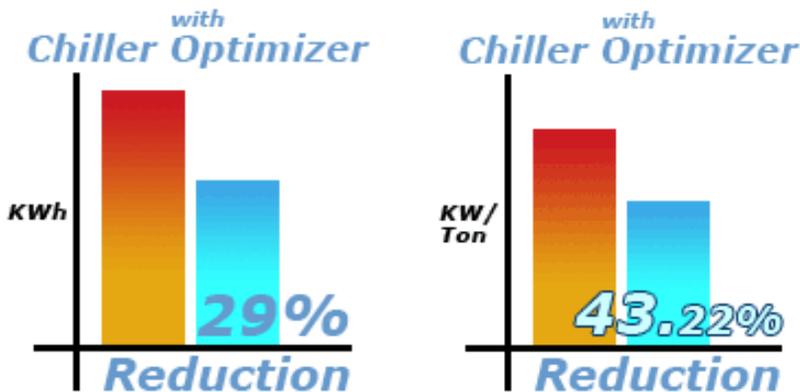
With the COS there is no compromise in the building tenants or guests comfort, or chiller performance, only improvements in operational efficiency and energy savings. The COS utilizes the sophisticated decision making capabilities of the software programming to provide automated control and optimization of any chiller.

The COS modular design concept allows control and optimization of one to eight chillers with or without an EMS or BAS control. The result is a major reduction in energy consumption with an improvement in temperature control.

The COS is specifically designed for use with chillers, and comes factory-programmed.

Proven Results

Even though the results of every COS installation are not verified, the COS has a well documented history of providing significant reductions in chiller energy use. Successful installations have taken place in virtually all types of climates, from tropical to desert and coastal to seasonal.



Solution Characteristics

- Achieves 20-30% energy savings with improved temperature and compressor control.
- Reduces peak demand with optimum start of lag chillers.
- Improves temperature control with a reduction in cold calls and hot calls.
- Maximizes engineering labor assignments with fewer chiller adjustments.
- Extends chiller life.

Energy Savings

COS is helping a wide variety of facilities reduce their energy consumption, by deploying a cost effective retrofit solution designed specifically for old and new facilities.

Typically a 20-30% energy savings with paybacks less than 24 months can be realized using COS depending on utility rates and type of facility.

With the COS your actual energy consumption goes down. So not only are you saving money on energy costs, but you actually save electrical energy. Make a positive impact on your utility bill and your environment.