

Regardless of the industry, companies everywhere are facing escalating energy costs. As utilities struggle to meet needs, they try to manage peak demand by regulating power through real-time meters and peak demand surcharges. This billing approach often generates enormous additional costs, and energy customers are unable to compensate.

The Energy Director from Powerit Solutions is ideal for industrial and commercial facilities with large power loads that, to varying degrees, are suspendible or can operate for designated intervals at reduced output. Facilities that use the Energy Director realize significant cost savings because of better peak demand management and seamless coordination of major energy loads, without any compromise to production or building comfort.

San Diego Ice Arena - San Diego, CA

"We are seeing a monthly peak demand reduction of over 50kW, this is close to a 25% reduction. We are more than satisfied with the Energy Director, the system is exceeding our expectations."

**- Philip Linssen
Owner**

Lower operating costs in recreational facilities enhance property value, improve the ability to compete for tenants, and increase the borrowing capacity of the owner. For recreational property owners, the cost of the Energy Director can usually be passed along to tenants since it is an investment that produces cost savings, thus an allowable expense in most leases.

Typical loads that the Energy Director optimizes include heating, ventilation, and air conditioning (HVAC), refrigeration and freezer units, compressors, overhead and parking lot lighting, and steam and hot water boilers. Loads can be regulated while maintaining overall conditions within desired ranges. Additionally, some loads may be deemed discretionary and, during periods of peak demand, shut down completely. Many facility operations are energy-intensive, and resourceful management reaps substantial rewards. Commercial facilities using the Energy Director have reduced peak demand and experienced 5 – 10 percent reductions in total energy bills, receiving payback on investment in less than two years.

The San Diego Ice Arena has been in operation for over 40 years. All original refrigeration equipment is still in use, with some updated components. The Ice Arena has one ice surface, 80' x 200', and the total size is approximately 60,000 square feet. The Energy Director was installed in December 2002, to interact with the following loads: ammonia compressors, a cooling tower and air handling equipment.

Initially the Energy Director was used only for power demand control only. Having experienced no problematic effects, it now manages additional tasks: timer functionality, scheduling and alarm notification, further reducing electric utility costs. Since installation, the facility is experiencing a reduction of 50kW a month resulting in peak demand savings of 18% and project payback of 16 months.

POWERIT SOLUTIONS

Headquartered in Seattle, Washington, Powerit Solutions offers the Energy Director line of energy management systems. Developed in 1994 in Sweden, the Energy Director is now successfully installed and operating in over 500 facilities worldwide.

Powerit Solutions is committed to helping customers in a wide variety of industries maximize their energy efficiency, reduce their power demand and realize significant energy cost savings without compromising production, safety or building comfort.

For More Information

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