

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 Jose Mercury News - San Jose, CA

"The Energy Director is extremely easy to use. There has been no impact whatsoever on operations or product quality and our savings are about \$65K a year."

**- Larry Benanti
Director of Engineering**

Lower operating costs in commercial buildings enhance property value, improve the ability to compete for tenants, and increase the borrowing capacity of the owner. For commercial 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, overhead and parking lot lighting, radiant-heated entrances, and ancillary equipment such as trash compactors. 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. 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 three years.

Newspaper press facilities produce significant peak demand levels due to the large printing presses and associated usage. As a result, they are excellent candidates for implementation of automated peak load management systems. By using a number of non-production facility loads to shed power and offset the peaks caused during press runs, printing facilities significantly reduce their peak demand charges with the Energy Director, without impacting building comfort, production or safety.

San Jose Mercury News is a leading newspaper in San Jose, CA, circulating more than 800,000 papers daily. This facility contains the bulk of Mercury News operations, including the offset printing presses for the newspaper, office space for approximately 400 reporters, and other staff from the total of 1,360 employees of the newspaper. The facility installed the Energy Director system in August 2004.

Since commissioning the system, San Jose Mercury News has been through a peak summer season producing newspapers and continuing their office work without disturbing production or comfort. They monitor production and energy use more resourcefully and are using this information to improve internal efficiency.

The system is currently producing an average monthly peak demand reduction of 500-600 kW: a peak demand savings of 20% and a project payback of 12 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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