

*"There has been no negative impact whatsoever on operations or product quality, and our savings are about \$65,000 a year."*

**Larry Benanti, Director of Engineering, San Jose Mercury News**

## Case Study: San Jose Mercury News



### Powerit's Financial & Environmental Impact:



13% decrease in peak demand



ROI: 20 months



Avoided the generation capacity to power 444 homes\*



Equals generation capacity CO2 offset of 780 acres of fir tree forests

\*Based on the US DOE Residential Energy Consumption Survey, 2003, and based on the definition of a single-family home.



**San Jose Mercury News** is the major daily newspaper in San Jose and Silicon Valley, California, and is owned and operated by MediaNews Group, one of the largest newspaper companies in the United States. San Jose Mercury News circulates more than 800,000 copies daily with local coverage extending to the San Francisco Peninsula and Bay Area and Santa Cruz. It has earned numerous awards including two Pulitzer Prizes. The newspaper's headquarters and printing plant in North San Jose house the majority of operations, including offset printing presses and office space for approximately 1,360 employees, including reporters and other staff.

### San Jose Mercury News, San Jose, California

#### Initial Load Management Requirements:

- Chiller
- HVAC
- Air Handling Units

#### Powerit Solutions Installed:

- Energy Management Hardware and Software
- Konnekt™ Wireless IO
- Energy Monitoring and Reporting



### **A Powerful Need**

As a press facility that operates energy-intensive printing presses, related processes, and maintains a large-scale office building, San Jose Mercury News opted to shed loads during peak demand to become more energy efficient and reduce their peak demand charges. Specifically, San Jose Mercury News wanted to focus on monitoring and controlling facility loads such as HVAC systems, chillers, and air handling units. Interfering with newspaper production or building comfort was not an option. To satisfy their needs, they decided to implement an automated energy management system that would allow them to run the press equipment while reducing coincidental HVAC equipment loads during hot summer days, without affecting the comfort of the facility.

### **A Powerful Solution**

After installing the energy management system, San Jose Mercury News has maintained newspaper production and an optimal office environment during peak demand periods while saving approximately \$65,000 per year. Furthermore, by using the system to monitor production and energy usage with access to real-time data from any networked PC in the facility, San Jose Mercury News has been able to continually experiment with the equipment to determine ways to further improve the efficiency of their operations and generate additional savings.

The facility's peak demand reductions resulted in a 13% decrease electrical charges. The financial payback period was less than 20 months.

