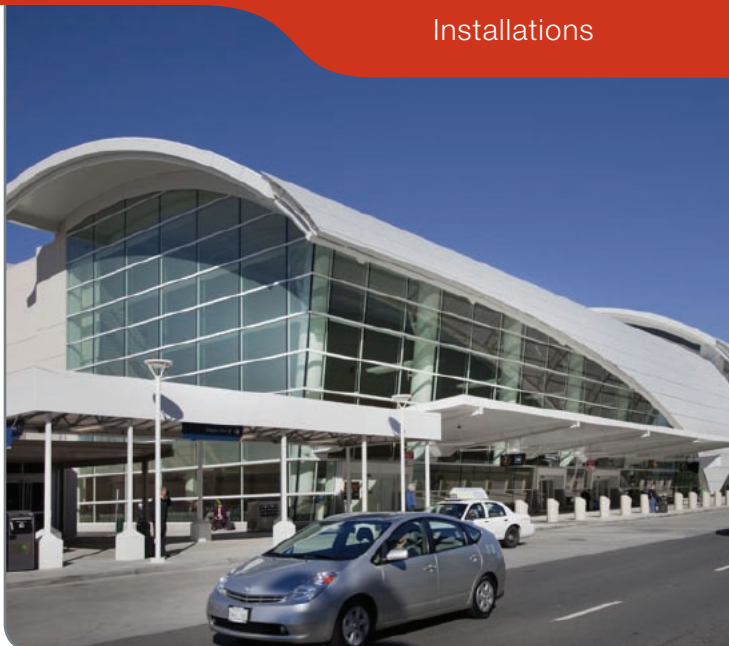




OPTIMUM INSTALLATIONS

MINETA SAN JOSÉ AIRPORT



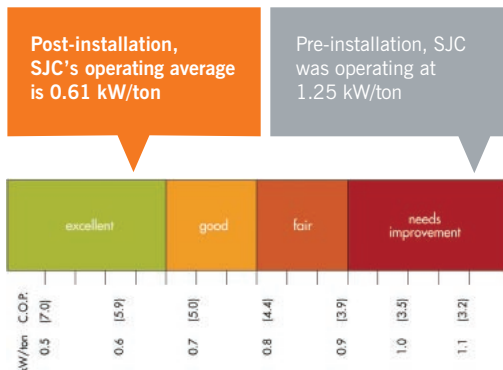
Renovation Starts at the Chiller Plant

Located in California's third-largest city, Mineta San José International Airport (SJC) is the forty-first busiest airport in the U.S., handling on average more than nine million passengers annually. A completely self-supported enterprise owned and operated by the City of San José, the Airport's operations and capital improvements are supported by operational revenues generated by user fees and federal capital grants.

As part of the Airport's comprehensive terminal modernization program begun in 2007, SJC made a commitment to achieving LEED® certification for its new facilities, and to implementing energy efficiency technologies that would help reduce operating costs and the facility's carbon footprint for decades to come. The improvement program, on schedule to be completed in 2010, includes construction of a new Terminal B and its 380,000-square-foot North Concourse, as well as the upgrade of Terminal A.

OPTIMUMHVAC PERFORMANCE CHART

The OptimumHVAC kW/ton performance chart helps determine the operational efficiency of existing chiller plants.



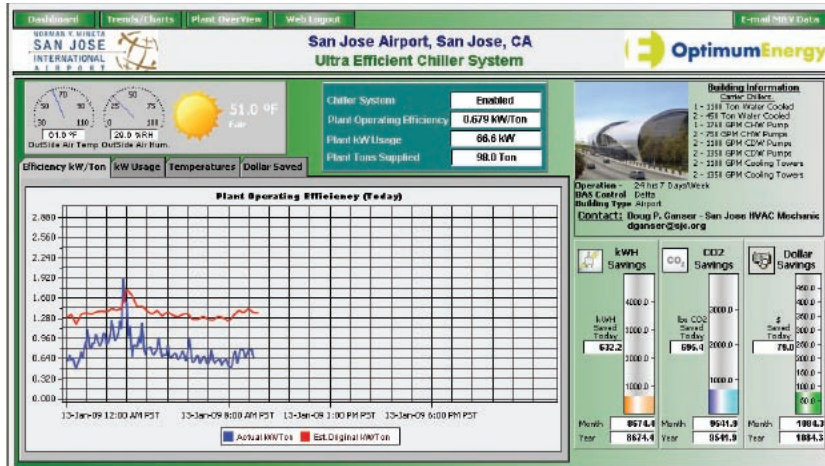
Keeping it Cool with Less Power

Recognizing that efficiency improvements to the Airport's central chiller plant would lead to significant energy savings, SJC made the decision to update its HVAC system and take advantage of constant commissioning benefits made possible with Optimum Energy's OptimumHVAC™ solution.

Engineering services firm WSP Flack + Kurtz oversaw the addition of a new, 1,100-ton chiller unit to the Airport's central plant. Additionally, upgrades were made to the Airport's existing two 450-ton chillers, including installation of variable frequency drives and a new cooling tower, and adjustment of the existing air handling units to maximize airport guest comfort and energy efficiency.

“By improving the efficiency of our central plant chillers, we’ll also become more energy efficient in our airport facilities, and it will help us achieve LEED certification for our new concourse as well ...”

— Patrick Tonna, Deputy Director for Facilities and Engineering, Mineta San José International Airport



OptimumMVM shows real time operating efficiency, daily and monthly dollars saved, and CO₂ reduction levels, and is accessible to both Airport technical staff and Optimum Energy engineers.

Once completed, OptimumHVAC was installed and commissioned through the Airport’s Building Automation System. Reductions in energy consumption were immediate and verifiable with OptimumMVM, a secure, online service that allows facility managers to remotely measure and verify equipment operations and savings anytime.

Saving Green

In the first year with OptimumHVAC, SJC:

- Saved 1,256,000 kWh of electricity
- Cut operating expenses by \$188,000
- Improved wire to water kW/ton 51% - down to 0.61 from 1.25 kW/ton
- Decreased carbon emissions by 1,353,000 lbs
- Qualified for utility rebates

Payback for the project is projected to be 1.2 years.

About Optimum Energy

Optimum Energy’s patented software solutions permanently reduce the amount of energy used to heat and cool commercial buildings by 30-60%. Compatible with all Building Automation Systems, OptimumHVAC software automatically optimizes the energy performance of centrifugal chilled water plants and air handling systems based on real-time building loads. In addition, OptimumHVAC’s online measurement, verification and management capabilities ensure energy and cost reductions are sustained year after year.



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