



Oracle MPK to SCA Phase II Campus Move

Santa Clara, CA



Project Description: Two office buildings on the old Sun Campus were converted to high density rack and bench labs. The total new IT load was about 5 MW. An existing chilled water plant on campus was expanded from 2000 to 5000 tons to serve the new loads.

TE Role: Full design and commissioning of HVAC, plumbing and controls for new labs and central plant expansion. Cooling solutions had to be tailored to the customer requirements and architectural constraints of each lab. Cooling solutions included aisle containment, custom air handlers with airside economizers, custom cold aisle overhead fan coils, and custom in-row air handlers. All fan systems are designed for variable volume, low pressure drop, high design supply air temperature and high chilled water ΔT . The central plant expansion includes a new 5000 ton waterside economizer and low approach towers. Demand based resets are used to raise supply air and chilled water setpoints and allow the plant to operate in full or integrated waterside economizer mode about 7000 hours/year.

References:
Michael Way, Gensler (architect) - (925)904.2118, michael_way@gensler.com
Ken Morrison, Rockridge Group (CM) - 415-394-5430, ken@rockridgegroup.net
Frank Nascimento, ACCO (HVAC contractor) - fnascimento@accoes.com
Cliff Berry, Oracle - 916 315 5050, cliff.berry@oracle.com
Ankit Somani, Oracle, 650.506.9860, ankit.somani@oracle.com

Building Information

Year Completed: 2011
Area (sqft): 30,000