Santa Clara

HIGHLIGHTS

Air Side Economization deployed in conjunction with Cold Aisle Containment POD's

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Colocation facilities include cabinets & private suites

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High density containment solutions

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Carrier-neutral connectivity from multiple providers

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Comprehensive mechanical and electrical building monitoring

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Operations Service Support Center (OSSC)

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Migration planning

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Network design, support & operations

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Capacity planning

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SSAE 16 Type II & SOC 2 Type II & PCI and HIPAA Certifications

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Contact vXchnge for tours and address information

\ OVERVIEW

Located in the heart of Silicon Valley, vXchnge's Santa Clara facility is convenient to San Francisco, San Jose, and other Bay Area communities. vXchnge's Santa Clara data center is the winner of the Silicon Valley Power Energy Innovator Award for its innovative economizer design, energy efficient equipment and environmentally-friendly products and systems.

vXchnge's Santa Clara facility provides Air Plenum Corridor Economizer Construction combined with Cold Aisle Containment to prevent hot air recirculation while providing data center optimization. The combination of these state-of-the-art features ensures the complete separation of hot and cold air to protect your vital IT assets by providing the optimum chilled temperature to cabinet racks. As this occurs, cool outside air is distributed directly to each computer room air conditioning (CRAC) unit via the air plenum passage (Air Plenum Corridor) which, surrounds the perimeter of the data center.

\ Specifications

Space

- One floor standalone building located on four acres in the heart of Silicon Valley
- 83,000 square feet data center facility with 30" high raised floor environment available
- Scalable, customized data center space, including racks, locking cabinets and dedicated private suites
- 4 point structural tie down for all cabinets
- All infrastructure bolted to the slab

Security

- Multi-stage security using biometric scanner access at mantraps, key rooms and cages
- Mantraps at main entries, archived color CCTV monitoring, stringent access protocols and procedures
- 24x7x365 on-site security at vXchnge OSSC plus remote 24x7x365 monitoring via other vXchnge network OSSC locations

Monitoring

- Systems are operated and managed by all in-house Operations Service Support Center (OSSC) teams plus 24x7x365 remote monitoring using other vXchnge network OSSC locations

Power

- Electrical System that includes: 2 N+1 Electrical Systems

For more information, call 800.553.1829 or visit us at www.vxchnge.com
California | New Jersey | New York | Ohio | Pennsylvania

Santa Clara

\ Specifications

- 7MW utility dedicated to facility
- 8MW of generators in an N+1 configuration with 20,000 gallons for fuel on-site
- Complete electrical system monitoring
- Industry leading Power Usage Efficiency (PUE)

Cooling

- 2 N+1 built-in redundancies
- Temperature management (75 degrees +/- 5 degrees)
- Humidity management (45% +/- 20%)
- Redundant water supply including on-site reserve water storage
- High density cold aisle containment solutions

Connectivity

- A multitude of connectivity options including direct, physical-layer connectivity to ILEC, CLEC, long-haul, dark fiber, IP transit, Ethernet, TDM/voice and VoIP
- Diverse, dedicated fiber optic pathways from street delivered to secure, diverse POE's
- Meet Me Room (MMR) for all customer connections
- Careful overhead cable management with separation from power cabling
- All forms of copper and fiber connections available
- Carriers Include: Abovenet, AT&T, Verizon Business, Verizon Core, Zayo, Silicon Valley Power, Level 3, TW Telecom, Cogent

Other

- Pre-action, double interlocked, dry-pipe, fire suppression system
- VESDA (Very Early Smoke Detection) System (above and below floor)
- Detection and suppression systems in the data center, electrical and mechanical areas
- Economizer shut-off, if smoke is detected outside of building
- Predictive and proactive maintenance and upgrades are carefully planned & implemented for continued long-term and reliable operation