

Our Facilities

Network / Data Center

TheSmartDesign.Com has chosen several server farms to provide its customers with superior network connectivity with minimal required downtime. Located in Dallas, Texas, The Data Center boasts over 35,000 square feet of raised floor space featuring state-of-the-art security, safety, and cooling systems and is second-to-none in the industry.

Facility 1:

- 78,500 sq. ft. facility
- 35,500 sq. ft. raised floor
- (23) HVAC units totalling 574 tons
- Very Early Smoke Detection Apparatus (VESDA)
- Pre-action dry pipe sprinkler system
- Over 500 smoke detectors in integrated system
- Northern Proximity security badge entry/exit
- Multiple TXU electrical grids

- 4800 amps of 480v input power
- 3 main transfer switches
- (3) 500KVA Powerware UPS units, 90 batteries each
- Standalone PDUs at each cabinet row
- 1-megawatt generator (2000 gallon tank)
- 1.5-megawatt generator (2200 gallon tank)
- DataTrax monitoring for all datacenter infrastructure

Facility 2:

- 22,000 sq. ft. facility
- 18,000 sq. ft. raised floor

- (12) 26-ton Data Air AC units
 - Very Early Smoke Detection Apparatus (VESDA)
 - Pre-action dry pipe sprinkler system
 - Over 220 smoke detectors in integrated system
 - Northern Proximity security badge entry/exit
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- TXU fault tolerant electrical grid
 - 2000 amps of 480v input power
 - 1 main transfer switches
 - (2) 500KVA Powerware UPS units, 90 batteries each
 - Standalone PDUs at each cabinet row
 - 1.5-megawatt generator (2200 gallon tank)

Facility 3:

- 51,000 sq. ft. facility
 - 35,000 sq. ft. raised floor
 - (25) HVAC units totalling 775 tons
 - Very Early Smoke Detection Apparatus (VESDA)
 - Pre-action dry pipe sprinkler system
 - Over 400 smoke detectors in integrated system
 - Northern Proximity security badge entry/exit
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- Multiple TXU fault tolerant electrical grid
 - 4600 amps of 480v input power
 - 3 main transfer switches
 - (6) 500KVA Powerware UPS units, 120 batteries each
 - Standalone PDUs at each cabinet row
 - 3.5-megawatts of generating capacity

Facility 4:

- 72,000 sq. ft. facility
- (8) HVAC units totalling 240 tons (expanding to 1650 tons)
- Dual 550 ton carrier chillers (adding one more)
- Very Early Smoke Detection Apparatus (VESDA)
- Pre-action dry pipe sprinkler system
- Over 500 smoke detectors in integrated system (increasing to 1000)
- Northern Proximity security badge entry/exit

Network Infrastructure:

Choosing The Smart Design means that your sites will be accessible via a fully meshed and redundant Certified Cisco Network featuring 10 backbone providers. These providers include:

Backbone Carriers

- 3 Gbps Direct Fiber - Global Crossing
- 3 Gbps Direct Fiber - UUNET
- 5 Gbps Direct Fiber - AT&T
- 4 Gbps Direct Fiber - Level3
- 4 Gbps Direct Fiber - AboveNet
- 4 Gbps Direct Fiber - Savvis
- 1 Gbps Direct Fiber - Time Warner
- 4 Gbps Direct Fiber - Private Peers

Network

- Cisco Certified Network

- Juniper M20 Border Routers
- Cisco 6500 Series Distribution Routing Switches
- Cisco 6500 Series Aggregation Switches
- 100% Uptime SLA utilizing HSRP/BGP

Building Fiber

- OC48 SONET Ring - SBC
- OC48 SONET Ring - Time Warner
- OC48 SONET Ring - XO Communications
- OC48 SONET Ring - MCI
- OC48 SONET Ring - Looking Glass
- OC48 SONET Ring - Broadwing