



Honorable David Kappos
Under Secretary of Commerce for Intellectual Property and
Director of the US Patent and Trademark Office
PO Box 1450
Alexandria, VA 22313-1450

Dear Under Secretary Kappos,

It is with great enthusiasm that I write you to express Switch's support of the United States Patent and Trademark Office's consideration to expand into Las Vegas, Nevada. Las Vegas offers an unparalleled technology infrastructure, low cost of living, an educated and willing workforce, and access to an array of inventive minds and patent holders throughout the Valley, which combine to make Las Vegas the perfect location to establish your newest office in the West.

Switch, a groundbreaking technology company with numerous patents to its name, provides technology solutions for many of the most recognizable and successful companies across the globe. Through our revolutionary data center designs, Switch offers colocation and critical infrastructure services on an unprecedented and unmatched level, to corporations like Google, eBay, HP, EMC, Hitachi, Fox, Amazon, and Sony, to name a few. Switch also serves many government clients, healthcare companies, and many of the major banks.

Switch owns North America's most unique communications gateway hub, a one-of-a-kind facility that can never be recreated. Through an enormous collection of on-net telecommunications carriers, Switch has created the Combined Ordering Retail Ecosystem (CORE), which provides all of its clients with the opportunity to buy telecommunications services at below wholesale levels by combining almost two trillion dollars of market cap to enable the best return on investment in telecom. This combined buying power plus the unparalleled connectivity Switch offers, makes Las Vegas the best site for technology services and colocation in the world.

As Switch progressively advances its technology, Las Vegas continues to support those efforts. The entire mindset of the Las Vegas community is geared towards ingenuity and innovation. Las Vegas has always endeavored to do things that no one else has ever done. Innovators from across all industries are attracted to the Las Vegas Valley to create, develop and launch new ideas, inventions and creations.

Additionally, our city offers some of the most perfect weather available, with an average annual temperature of around 70 degrees. Southern Nevada is the least-prone area of the United States for natural disasters, located well away from the hurricanes of coastal areas, major fault lines, Tornado Alley, flood plains and ice storms.



Honorable David Kappos
January 29, 2012
Page 2

Las Vegas is the perfect home for Switch, and will certainly make the perfect home for the United States Patent and Trademark Office's new western location. Las Vegas invented "exceptional"...it is built on innovation. From the world's largest hospitality destination to one of the country's premier convention cities, boasting and celebrating new technology and advancement year-round, Las Vegas offers a strong, friendly and growing business environment for emerging pioneers across a plethora of industries. Las Vegas hosts more than 23,000 meetings, conventions and incentive programs each year ranging from 10 to over 100,000 attendees, creating the perfect breeding ground for new ideas, patents and trademarks.

All this, coupled with Nevada and Las Vegas' friendly business environment, including very favorable income tax rates, efficient and expedient transportation links to major markets via three major highway corridors, and a state-of-the-art international airport that makes for convenient flight access, Las Vegas offers corporations, business owners and inventors many keys to success.

Las Vegas is certainly a critical western city in fostering innovation and would be an ideal fit for the United States Patent and Trademark Office. It is with pride that Switch recommends Las Vegas and thank you again for your consideration.

Sincerely,

Rob Roy
CEO, Founder, Chairman
Switch



TRUTH IN TECHNOLOGY

SOLUTIONS

- DATA CENTER
- CONNECTIVITY
- PUBLIC CLOUD
- HYBRID CLOUD
- MANAGED SERVICES
- NETWORK CABLING
- MONITORING / NOC
- TURNKEY SOLUTIONS
- PRE-FAB DATA CENTER
- DISASTER AVOIDANCE
- ELITE SECURITY

The **SUPER**|NAP.

S I | **C.O.R.E.**
COMBINED ORDERING RETAIL ECOSYSTEM

S I | **CLOUD I.C.E.**
THE U.S. INTER-CLOUD EXCHANGE

S I | **STACK**
HYBRID CLOUD SOLUTIONS

S I | **SERVE**
MANAGED SERVICES

S I | **WORKS**
STRUCTURED CABLING

S I | **L.D.C.**
LIVING DATA CENTER

S I | **edUP**
TURNKEY BUILDING SOLUTIONS

S I | **I-mod**
MODULAR OPTIMIZED DESIGN

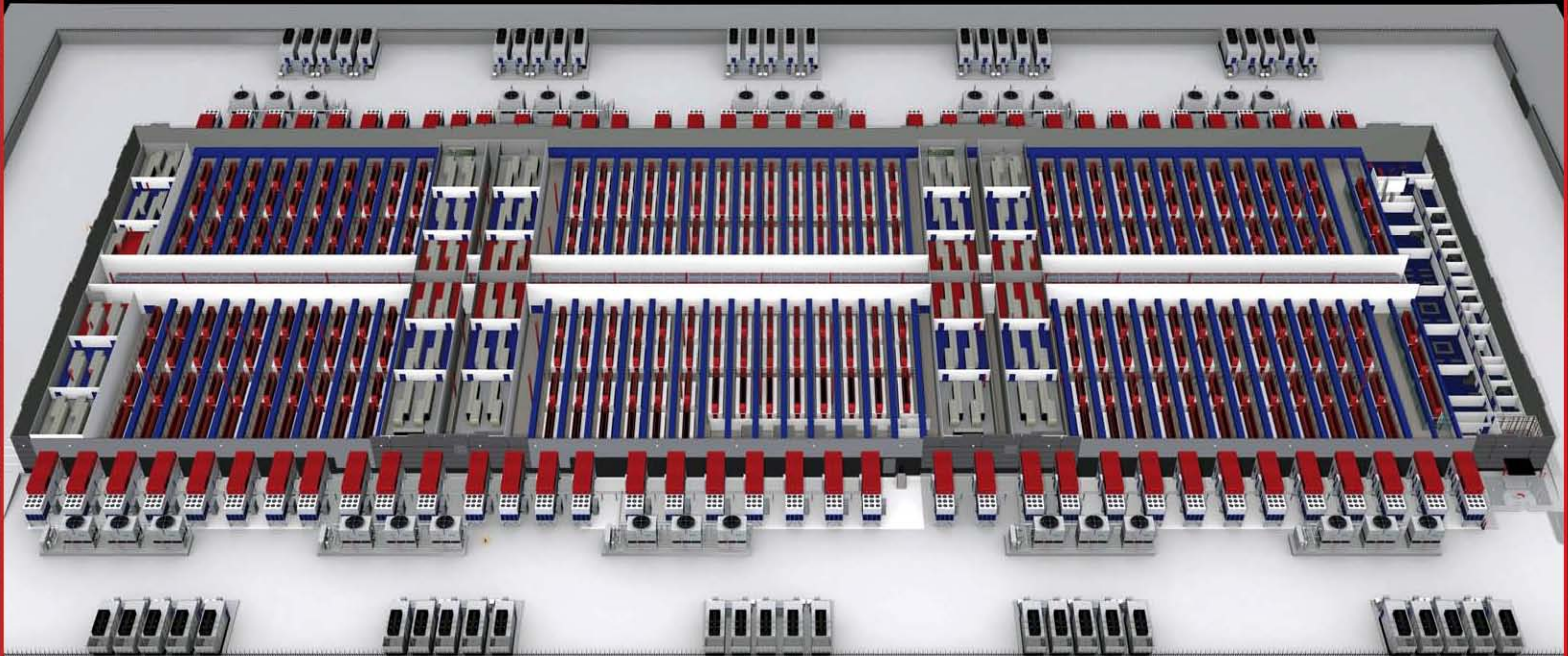
S I | **SAFE**
DISASTER AVOIDANCE

S I | **FORCE**
ADVANCED PROTECTION SERVICES

**The sum of the solutions
intelligently integrated = The Truth in
Technology**

The **SUPER** | NAP[®]

COLOCATION FOR A NATION™



The SuperNAP simply stated: "The world's best data center."



The **SUPER** | NAP

THE WORLD'S MOST EFFICIENT, HIGH DENSITY, ULTRA-SCALE DATA CENTER

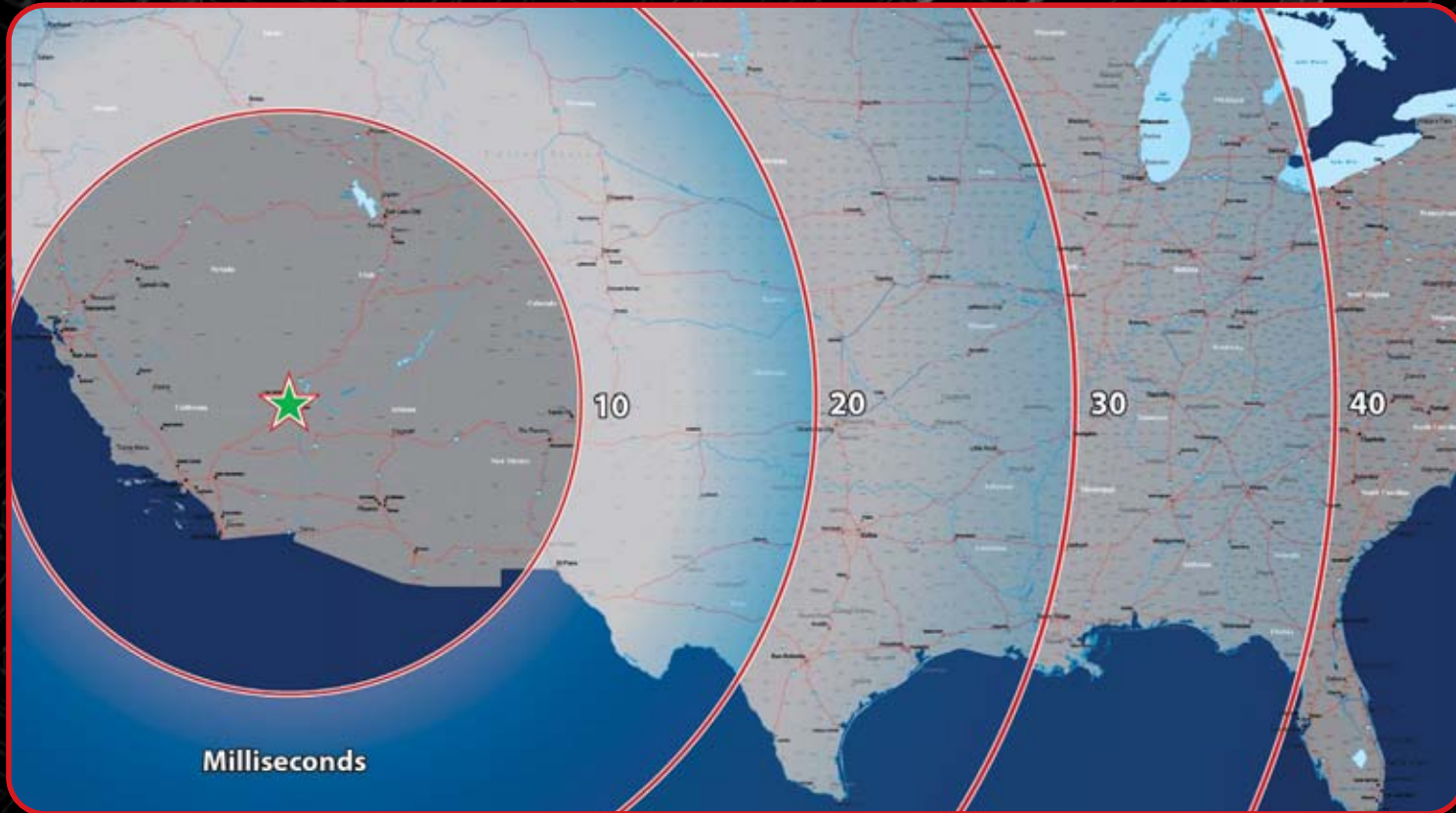
Most data centers today are faced with severe issues resulting from improper management and control of equipment-generated heat. Switch offers the most forward looking designs for space and power in the industry. Our Tier-Uptime Forever facilities are designed to our Switch WDMO™ (Wattage Density Modular Design) standards to deliver complete isolation and control over the heat that your equipment produces. Switch has created the t-scif™ (Thermal Separate Compartment in Facility) as well as over 50 other patented systems to improve data center performance and completely separate the hot and cold aisles, ensuring hot equipment exhaust is never blended into the cold aisles of the data center. Your company can operate and grow inside a t-scif™ for years without ever being threatened by the high temperatures that are rendering many of America's data centers inoperable.

SUPER | NAP® **NV-7**

- 407,000 square feet of space
- 250 MVA Switch owned substation
- 146 MVA of generator capacity
- 84 MVA of UPS S+S supply
- 44,000 tons of S+S cooling
- 5,400,000 cubic feet per minute
- 30 modular cooling towers
- 100% heat aisle containment
- t-scif™ designed for 1,500 watts
- 7,000+ cabinets / 350 t-scifs™
- Switch employed security staff

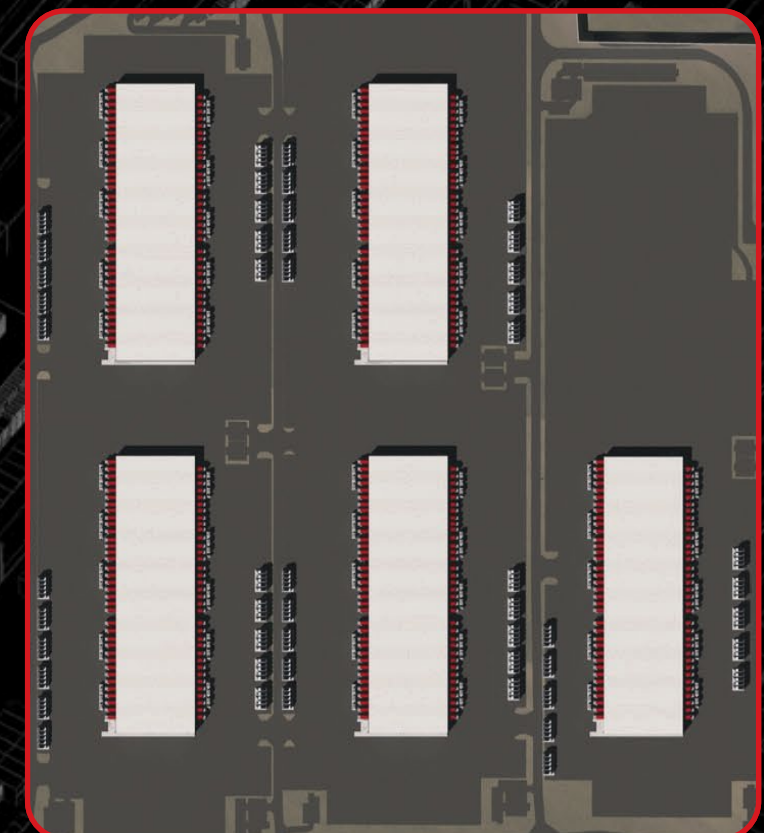
SUPER|NAP WEST

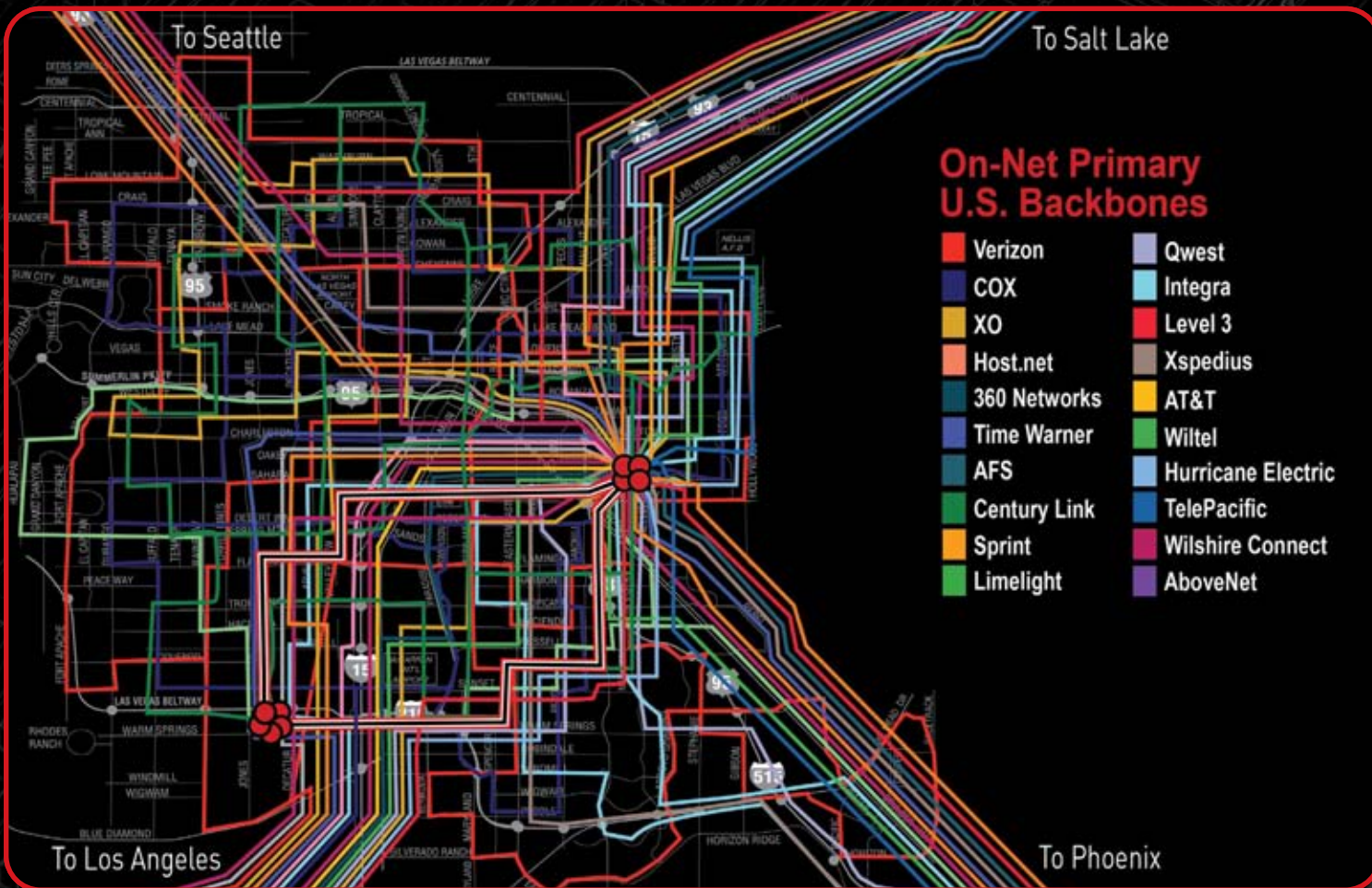
The World's Largest
Ultra-Scale Data Center Campus
Up to 2,000,000 Square Feet



SUPERNAP WEST STATS

- Up to 2,000,000 square feet of space
- 500 MVA of Power
- 573 MVA of Generator Capacity
- 420 MVA of UPS Supply
- 220,000 Tons of Cooling
- 27,000,000 Cubic Feet per Minute
- 150 cooling towers
- 850 Thermal-scifs®
- Designed for 1,500 watts per sq. ft.
- 31,000+ cabinets
- Armed 24/7/365 military trained Switch employed security staff






C.O.R.E.

COMBINED ORDERING RETAIL ECOSYSTEM

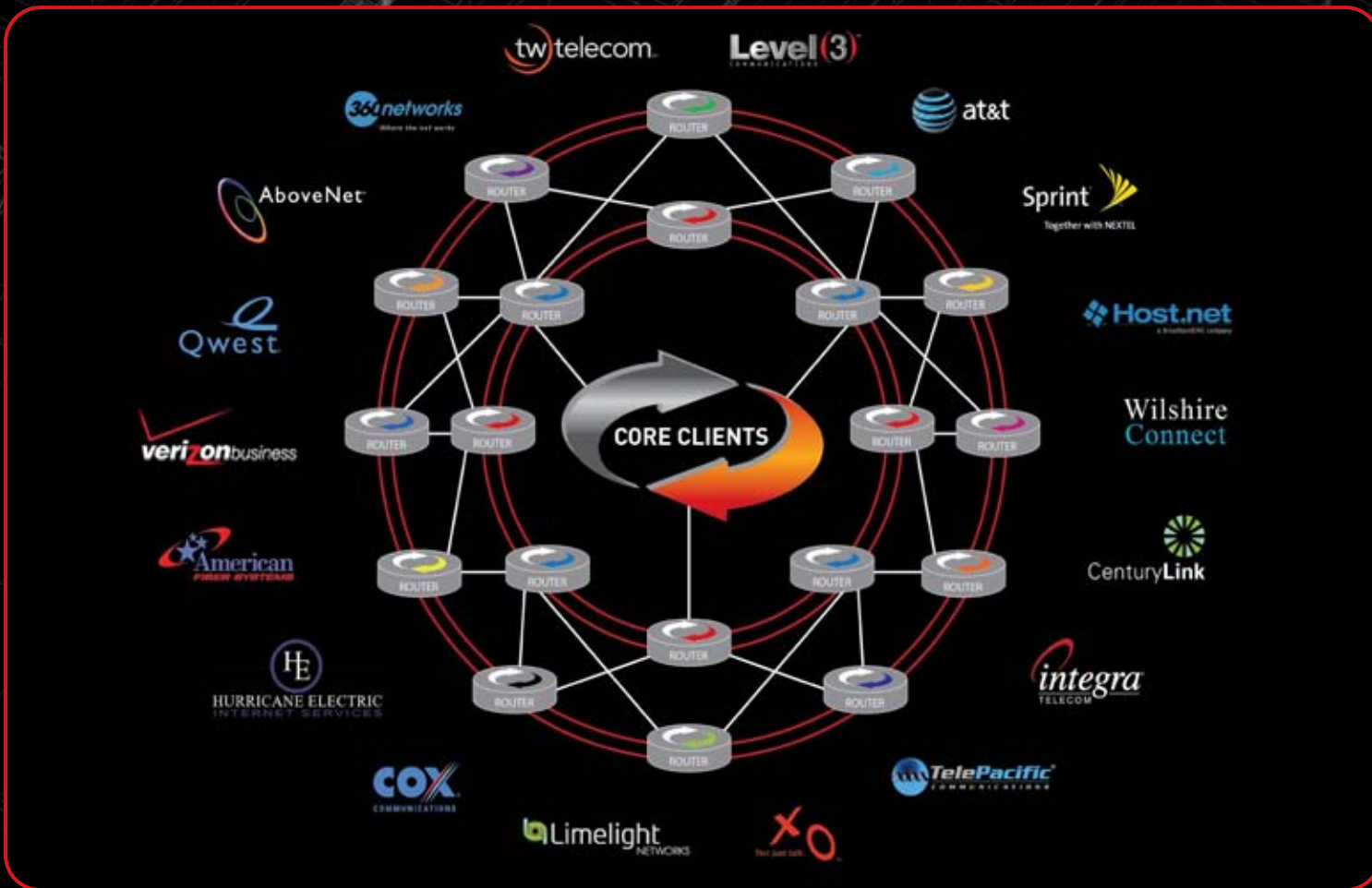
What makes our connectivity offerings the best in the industry?

It's simple: Switch owns the Enron Broadband Services peering arbitrage data center. Built in Las Vegas at the end of the dot-com era, it is America's most unique communications gateway hub. Enron's vision and reason for creating the Backbone NAP was to enable its trading model algorithms to arbitrage peering between the carriers. This facility is one of a kind and will never be repeated. Using the backbone gateways at this site, Switch has created the Combined Ordering Retail Ecosystem. Hundreds of its clients buy below wholesale levels by combining over one trillion dollars of market cap to enable the best ROI in telecom. All Switch clients can either buy directly from any of the carriers or join the C.O.R.E. and save 20-45% over wholesale pricing. This pricing simply cannot be achieved by an individual company purchasing from the US carriers. Even clients with over 200 billion dollar market cap have increased their buying power by migrating to the C.O.R.E.

The Company's wholly-owned subsidiary, SwitchNET, provides IP, transport, MPLS, voice and storage solutions to its client partners. With access to a collection of over 25 national telecommunications providers and more than 30,000 'on-net' business addresses in the United States, SwitchNET is a mega-hub for telecommunications services. SwitchNET's Global Master Service Agreements with its Tier 1 carriers provide its client partners with access to unprecedented network diversity options, worldwide coverage, exceptional provisioning time frames, and a breadth of product options available in only 2 or 3 of the world's largest telecom interconnect locations.

With SwitchNET's Tier 1 partners, the company's data centers have hundreds of terabits of capacity available to serve the largest IP, CDN, voice, 10G transport, and storage applications in the United States. Leveraging the Company's infrastructure, carrier relationships, world-class customer base, and a Tier 1 design focus, SwitchNET ensures the highest-rated performance and uptime availability.

These uniquely diverse carrier options and the C.O.R.E. dramatically reduce or completely offset the entire cost of a client partner's colocation costs. Since these savings are only available to client partners with a presence in one of the SuperNAPs, the SuperNAPs are not only the best performing, but also the least expensive facilities in the industry on a total cost of ownership basis.



ADVANCED CARRIER NEUTRAL CONNECTIVITY

switch|**CLOUD A.I. SERVICES**

health|**CLOUD A.I.** AGILE INFRASTRUCTURE

Centralized Digital Medical Records
TeleHealth
Bioinformatics
Imaging
Health Ergonomics Modeling
Impact Grant Support
Real-time Diagnostics Engine

bank|**CLOUD A.I.** AGILE INFRASTRUCTURE

Financial Records Management
Financial Modeling
Collateral Debt/Obligation Analysis
PCI Compliant Platform
Transaction Records & Analysis
Messaging Records Compliance
Statistical Analysis

digi|**CLOUD A.I.** AGILE INFRASTRUCTURE

Hosted IPTV
Analytics
TV Anywhere (OTT)
Transcoding
Media Storage
Digital Content Creation
Digital Content Distribution

game|**CLOUD A.I.** AGILE INFRASTRUCTURE

Rapid Capacity Available on Demand (RCAD)
Graphic Intensive Platform
Casual Gaming Platform
Digital Content Creation
Game Server Hosting
Media Workflow Engine
Dynamic Development Platform

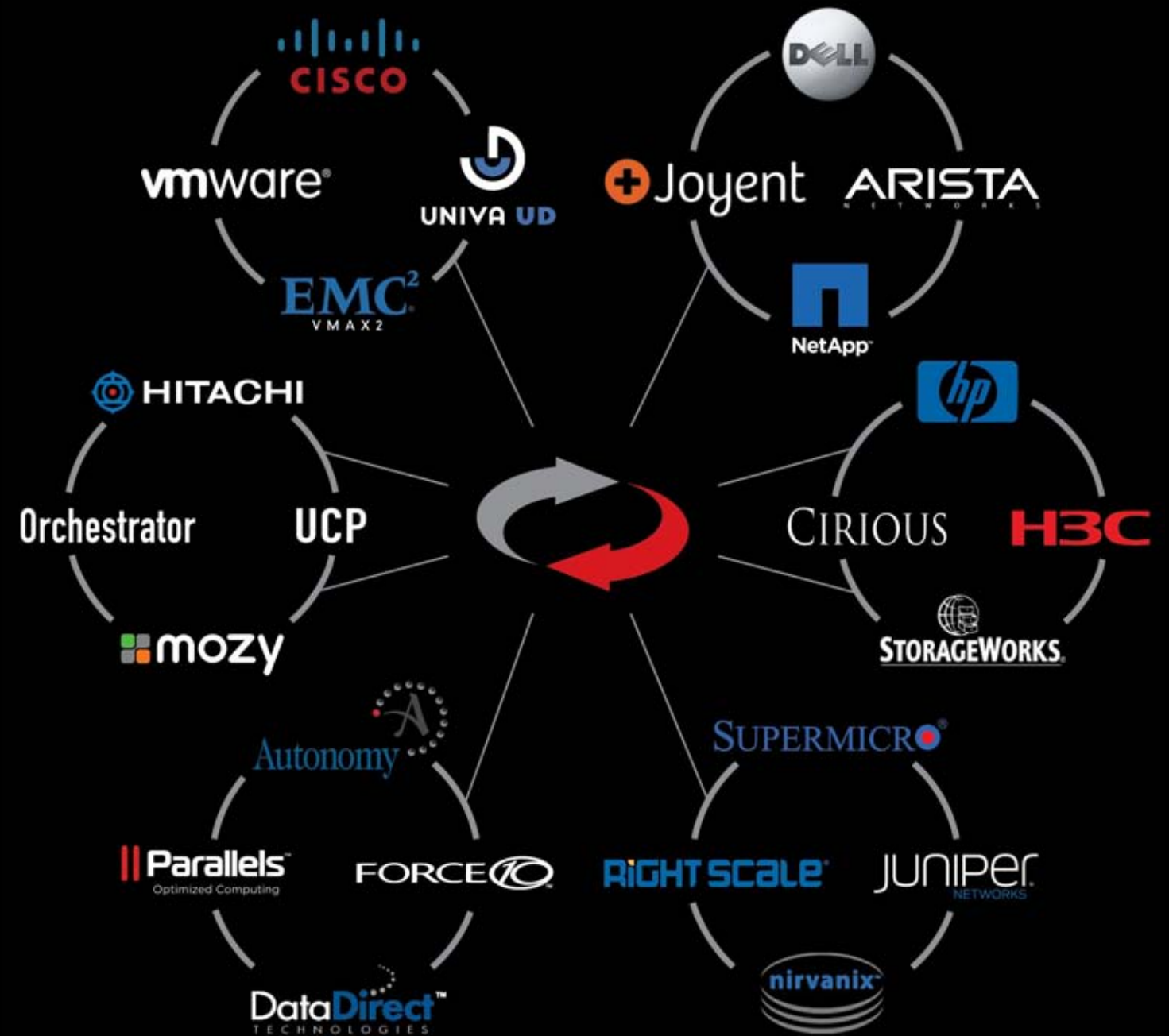
hpc|**CLOUD A.I.** AGILE INFRASTRUCTURE

Scientific Data Analysis
Scientific Modeling
Real Time Analysis
Environmental Studies
Energy Studies
Life Sciences
Climate Studies

stream|**CLOUD A.I.** AGILE INFRASTRUCTURE

Live Event Streaming
TV Anywhere (OTT)
Centralized Multi-platform Transcoding
Content Repurposing
Live to VOD Streaming and Repository
IPTV Content Distribution
Studio to Distribution Services

switch|**CLOUD I.C.E.** THE U.S. INTER-CLOUD EXCHANGE



The world's most advanced clouds, all physically located in the same facility, purchased through a single combined ordering retail ecosystem - The SwitchCLOUD

SI | STACK

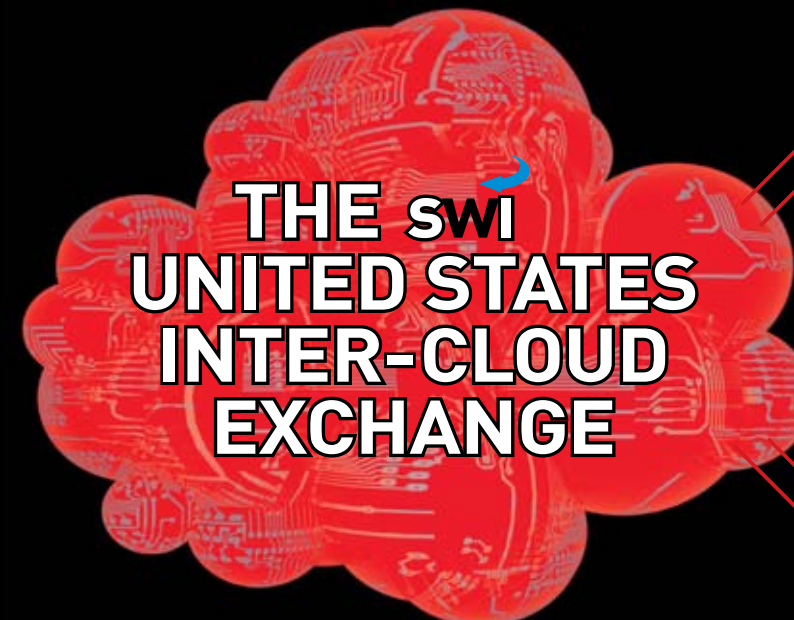
Private & Public Hybrid Cloud Solutions



The SuperNAP



Private Corporate Cloud A



Public Corporate Hybrid Cloud Interconnect

Off Site Location B



Private Corporate Cloud B

Off Site Location C



Private Corporate Cloud C

One Cabinet Cloud

15 Servers
 725 Gigs of Memory
 Expand to 1,080 Gigs
 Integrated Private / Public
 Management Software

Three Cabinet Cloud

45 Servers
 2,175 Gigs of Memory
 Expand to 3,240 Gigs
 Integrated Private / Public
 Management Software

Five Cabinet Cloud

75 Servers
 3,625 Gigs of Memory
 Expand to 5,400 Gigs
 Integrated Private / Public
 Management Software



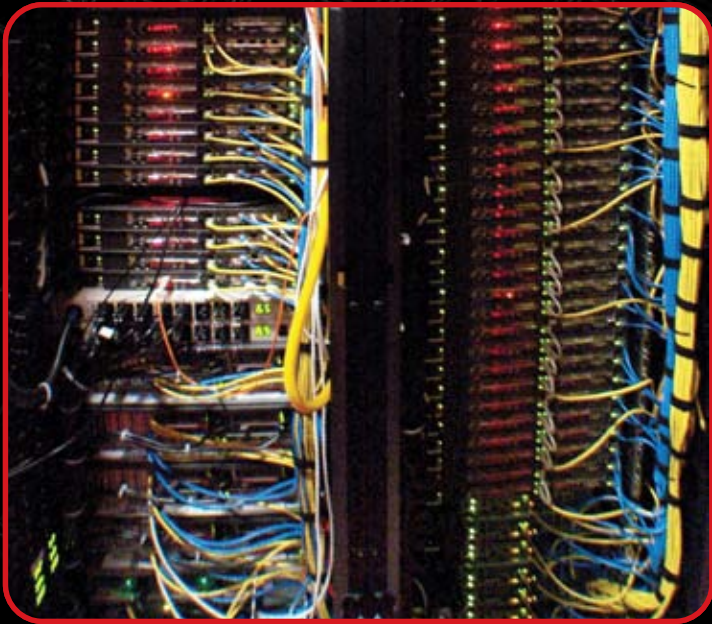
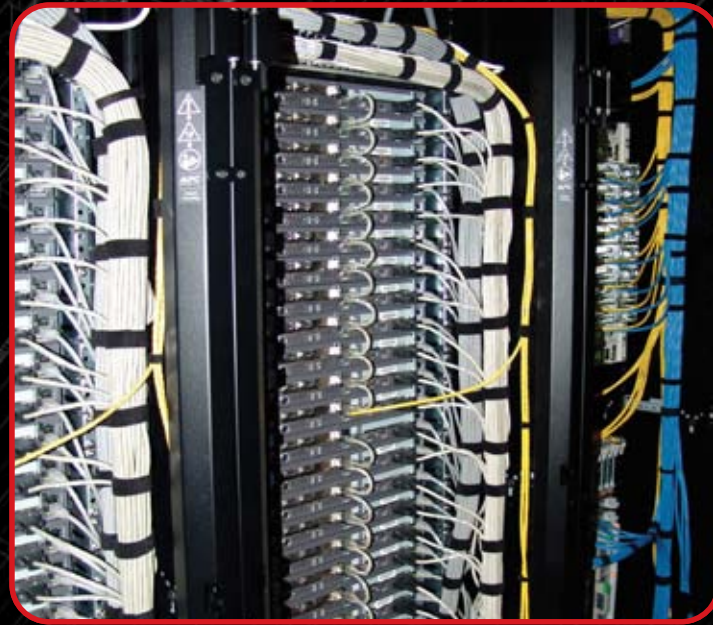

Switch SERVE
MANAGED SERVICES

With Switch Serve, we provide our customers with a full suite of professional and managed services so that you can focus your resources on the most strategic aspects of your business. Whether it is as simple as remote hands or a total outsourced solution, we provide the best solutions at the best prices in the world's best data center. With Truth in Technology as our mission and backed by a SAS-70 Type II Certification, we deliver best-of-breed solutions for customers in the finance, health care, life sciences, insurance, retail, high-technology, government, media, and entertainment industries.

Services include:

- Data center migration planning and execution for a seamless transition
- "Rack and Stack" services for effective turn-up and initial implementation
- Remote hands services to minimize your personnel footprint
- Managed disaster recovery services for business continuity assurance
- Dedicated, managed, or private enterprise class hosting environments for a lower total cost of ownership
- Virtual hosting environments for flexible computing services
- 24x7 monitoring, remediation, and administration of your IT infrastructure for effective system security and high-availability.





S I | WORKS

STRUCTURED CABLING

NETWORK CABLING

SwitchWorks Network Cabling department does the majority of cable installations for all of the systems that we provide. Using detailed specifications and system design drawings from our dedicated CAD group, our network cable technicians are able to efficiently and expediently lay the base cable foundation upon which our system trained technicians complete the final system requirements. Because SwitchWorks has the ability to handle entire installation projects from design to completion, you are offered more accountability and less workspace intrusion from multiple vendors, streamlining the entire installation process.

NETWORK SERVICES

SwitchWorks Network Services Department has the most qualified industry network engineers. All of our staff is Cisco-certified in multiple protocols and disciplines, and continually receive ongoing training on the latest network innovations and procedures. In addition, our engineers are personable, confident, and able to communicate with our customers and partners in a language that's easily understood. It's this well-rounded discipline that allows SwitchWorks engineers to listen, assess, advise, and design a future-proof system that's easy enough for the customer/end-user to troubleshoot. Of course, for advanced situations, SwitchWorks engineers are available 24/7 to help keep your systems up and running.

- Network Cabling Infrastructure
- Server / MDF / IDF Room Build Outs
- RF Distribution Systems
- Overhead Audio Systems
- Professional Uniformed Technicians
- Dedicated Site Project Manager
- Weekly Project Updates
- 24 / 7 Technical Support
- Continued Technician Training
- Project Management
- Advanced Unified Communications
- Advanced Wireless LAN
- ATP Partner Cisco Physical Security
- Wireless Surveys
- ATP Partner Wireless Mesh
- Unified Communications VoIP
- Wireless LAN Solutions
- Spam Solutions
- LAN / WAN Design and Implementation
- Security, Firewall, Intrusion Detection

S I + *TekWorks* = S I | WORKS



**Need your own Data Center?
Let the world's best data center team build it for you.**

The Switch SuperNAP data centers were invented, patented, constructed and have been operated and maintained 24/7/365 for over a decade by one integrated team. This same experienced team can design and build your next data center. Switch is the world leader in designing and running forward-engineered mission critical data centers. It is our belief that if your design engineers are not running the world's most advanced technology needs on a daily basis, then your design and consulting services are outdated and flawed. The insights gained in real-time by Switch, while designing, constructing and operating the data center requirements for the world's largest companies give it a huge advantage over those that just design or construct facilities. These companies do not have the necessary operational experience or expertise with the issues that new equipment and technologies continually introduce to the data center. Switch also brings a comprehensive vision of how connectivity, equipment, applications and services should be integrated into a data center project. Switch runs the most advanced telecom gateway ecosystem in the world combined with the U.S. Inter-Cloud Exchange. Switch has the industry's most advanced understanding of today's technology needs thru all verticals, something that we believe is a must to deliver proper data center design parameters to end users. Most data center construction companies have back grounds in construction only and make improper recommendations when it comes to site selection, equipment density needs and most importantly advanced multi-carrier interconnection hubs that should be a primary part of every single project design.

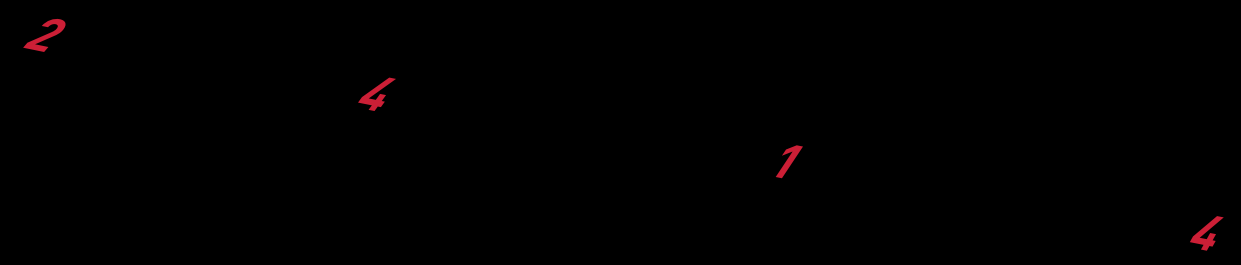
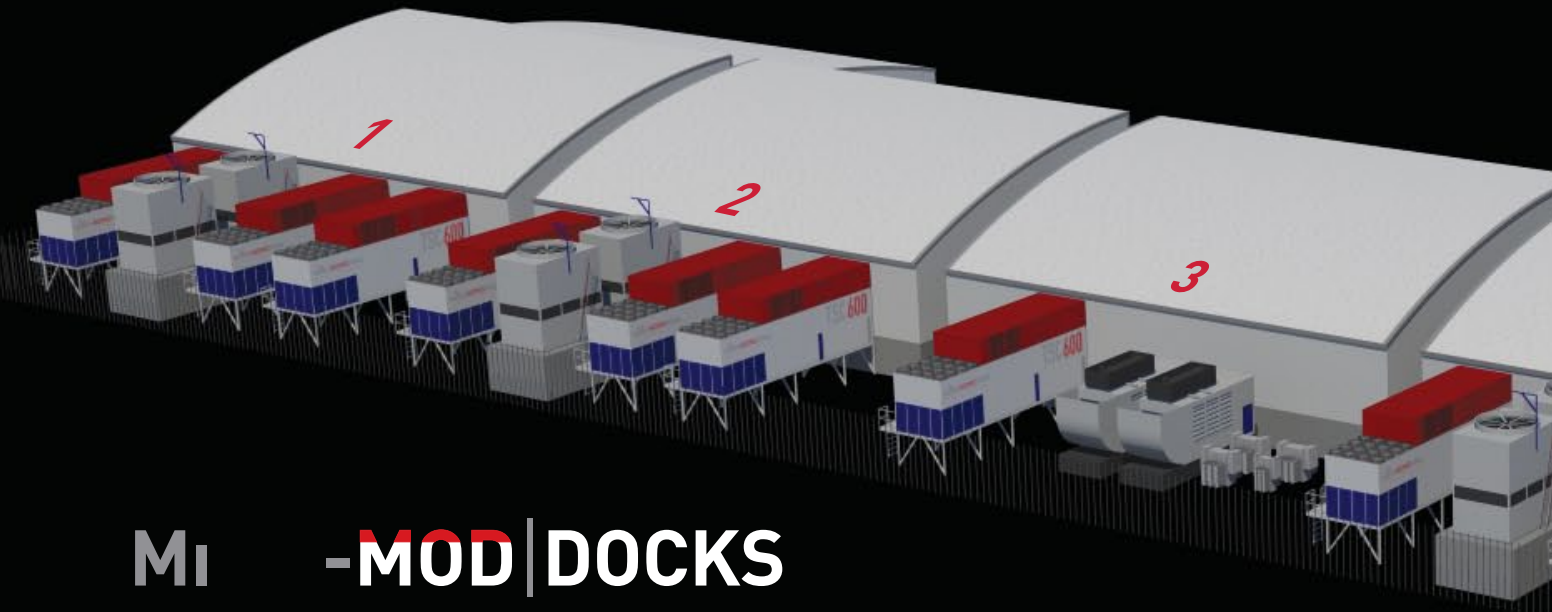
Switch is the foremost expert on:

- Heat containment at scale allowing a PUE for your project that is unrivaled by any design
- Extreme Efficiency HVAC design with forever redundancy and maintainability
- Data center modularity design growth producing the industry's best ROI
- Interconnectivity needs integration into facility site selection and implementation
- Security and fire protection design services through DCID 6.3-6.9 Tempest requirements
- Forever maintainable tri-redundant power-system plus system deployment
- The best cost per KW designed data center product available



The industry-leading designs of the Switch SuperNAP are now available in a 'privately owned solution' as the **SwitchMod** and **Switch Micro-Mod** data center kits. The experience and stringent requirements of the world's most technologically forward thinking corporations have vetted the 40 patent pending designs for over a decade. The uptime, mean time between failure, and performance metrics for these unique products and systems are not engineering guesses on plans and paper. They are the functioning mission critical products and integrated designs in use today by Switch at the SuperNAP - The world's best performing data center.

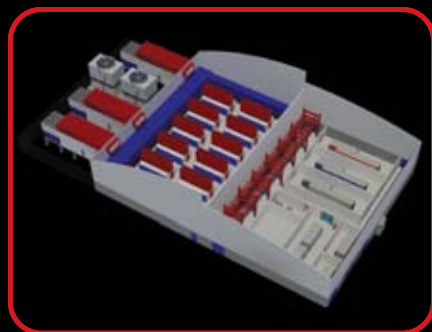
Now available as a pre-designed adjustable system, the MOD (Modular Optimized Design) construct delivers flexible modular construction and operation parameters while establishing the next generation of ultra-reliable, cost effective data center deployments. Switch and its partners are set to deliver the new standard in data center construction to the world - the SwitchMOD. Stay tuned for updates in the fourth quarter of 2010.



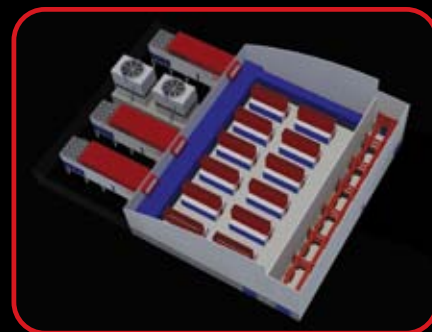
Mi -MOD | DOCKS

(Di i i i i i 25,000 and 12,000 Sq. Ft. Kits

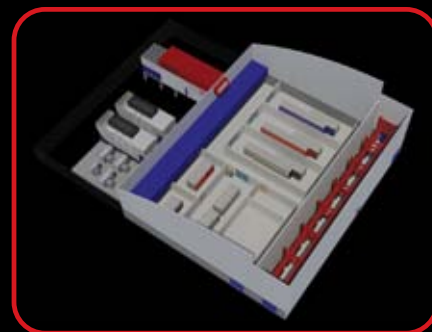
1. **Uni DOCK** - Base Unit Power & Cooling (240 Cabinets, 2.5 MVA, 1,400 KW UPS)
2. **T-SCIF DOCK** - Additional Cabinets & Cooling (240 Cabinets + Additional TSC | 600's)
3. **Power DOCK** - Power Add-on Module (2.5 MVA, 1,400 KW UPS)
4. **Office DOCK** - Office Modules (Turn-Key Adjustable Office Layout)
5. **N.O.C. DOCK** - Network Operations Center (Turn-Key N.O.C. Layout)
6. **C3-Cloud DOCK** - Hybrid Private Cloud (Switch STACK Cloud Included)



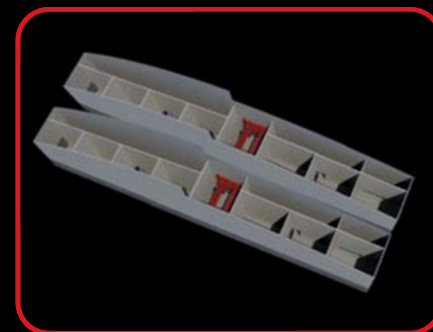
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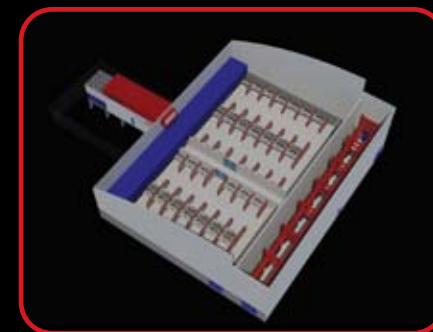
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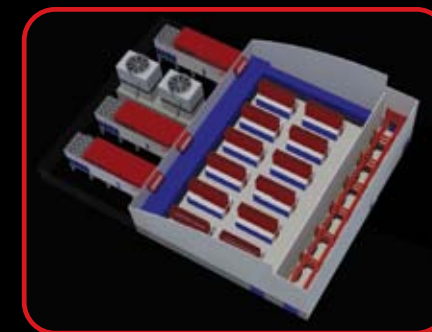
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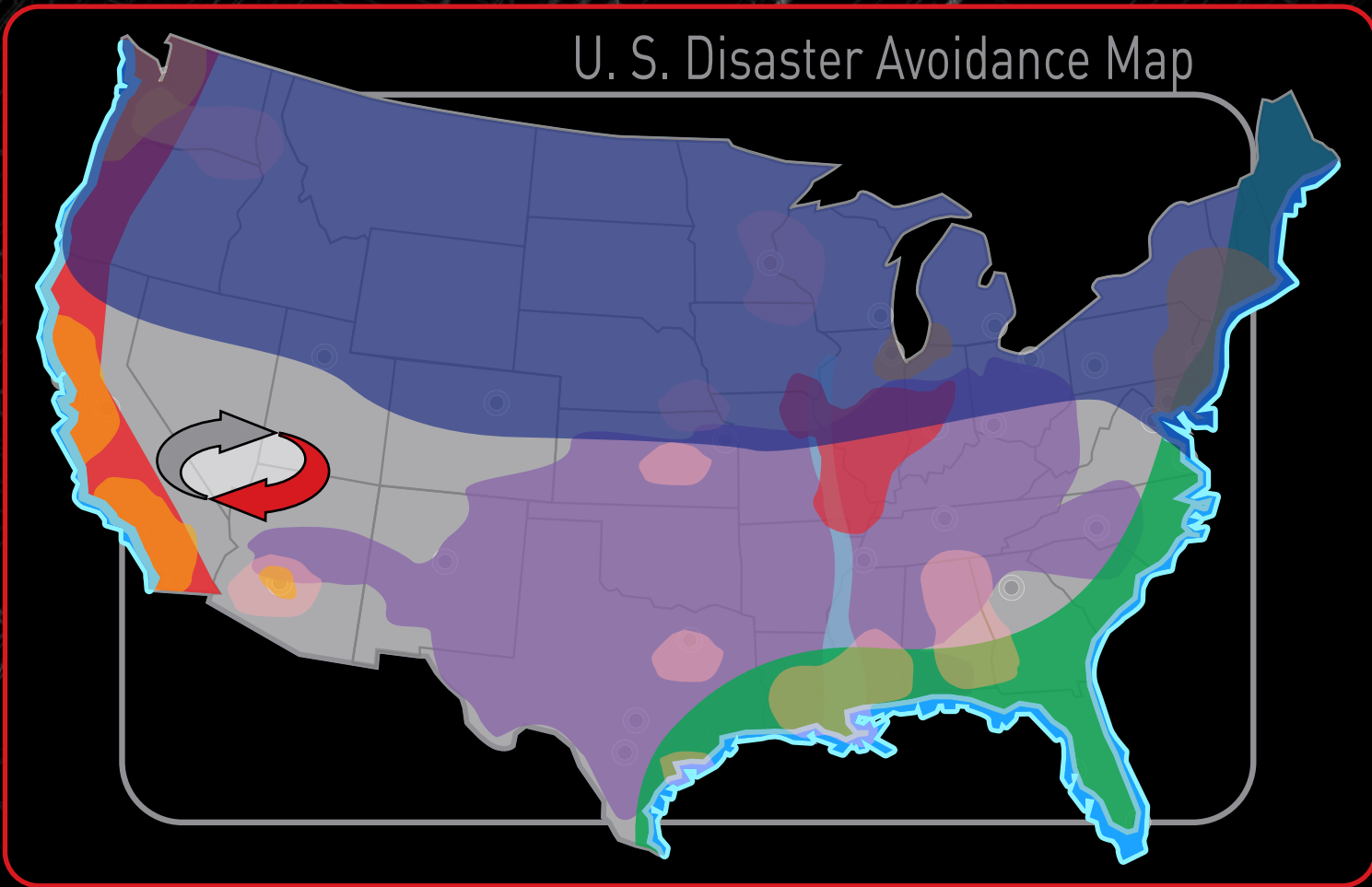
4.



5.



6.



S I | SAFE

DISASTER AVOIDANCE

If your mission-critical data is located in any of these danger zones, will your data center survive the impact of a natural disaster? Recent events have shown our nation just how vulnerable certain areas can be. It only makes sense to keep your servers out of harm's way by colocating them in the safest place in the country: Las Vegas, Nevada. Well away from hurricanes and coastal areas, major fault lines, Tornado Alley, flood plains, and ice storms, Las Vegas is well-situated to provide you with years of disaster-free uptime.

- EARTHQUAKES** : Earthquakes can sever fiber and power lines throughout the city, as well as damage the foundation of your data center. Major earthquakes can take your entire data center offline indefinitely.
- HURRICANES** : Hurricanes can destroy large areas of land, wiping out infrastructure and disrupting communications for weeks. Is your data safe from the next big storm?
- TORNADOS** : Tornados can completely destroy buildings within minutes, tear through fiber and power lines, and send flying debris for miles, causing severe damage.
- POWER OUTAGES** : Power outages can severely test the design of your data center. In areas where power congestion is a critical problem, power outages may become the rule rather than the exception, putting your data in an extremely vulnerable state.
- FLOODS** : Floods can destroy roads and the fiber underneath them, and can fill basements and businesses with water.
- ICE STORMS** : Ice Storms can cause problems for overhead fiber and wireless communication lines
- TSUNAMIS** : Tsunamis, although rare, can completely wipe out coastal areas as the result of an offshore earthquake. All coastal areas are at risk.
- WILD FIRES** : Wild fires increase the risk of damaging important power and connectivity infrastructure.



SI | FORCE

ADVANCED PROTECTION SERVICES

24 x 7 x 365 onsite professional security and fire protection

SwitchFORCE is a calculated deployment of protocol, personnel and systems designed to provide a complex security presence. It utilizes security measures for surveillance and detection systems on a serial and parallel layer which exceed assessed risks and standard compliances for the physical and logical protection of Information Security facilities.

Switch has in-depth experience protecting Industrial Security facilities in accordance with numerous Federal standards and adapts assessment tools and lessons learned in risk assessment and system design to enhance flexibility of off-the-shelf components minimizing single point failure and assuring system redundancies and lifespan.

Switch personnel are selected for their military, law enforcement and/or security skill sets befitting the unique environment of Switch. All officers attend an in-house security academy that teaches advanced skills in counter-surveillance, surveillance, detection and other tactical protection measures, all with a keen eye toward customer service.

SwitchFORCE is a full-duty, 24/7/365, Security Command with robust communication, surveillance and detection systems at the ready; complimented by the knowledge that every employee of Switch is responsible for Security and therefore a member of SwitchFORCE.

Well documented and frequently vetted, Switch FORCE policies and procedures excel beyond the most stringent compliance requirements set forth by government, utility and industry regardless of station, duty or name. To enter and enjoy the protection of SwitchFORCE, all must abide by the same security procedures.

TRUTH IN TECHNOLOGY TRUTH IN TECHNOLOGY TRUTH IN TECHNOLOGY TRUTH IN TECHNOLOGY
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THE VIRTUALIZED FUTURE IS ONLY AS GOOD AS THE INFRASTRUCTURE RUNNING IT.

Extreme Efficiency Cooling



The inventions, designs and patented products that Switch manufactures as part of its **WDM** (Wattage Density Modular Design) **Data Center System**



Quad Process HVAC Units - **WDM** | **TSC 600** Tons Each



Modular Cooling Tower Tri-Stack inline add on expansion system



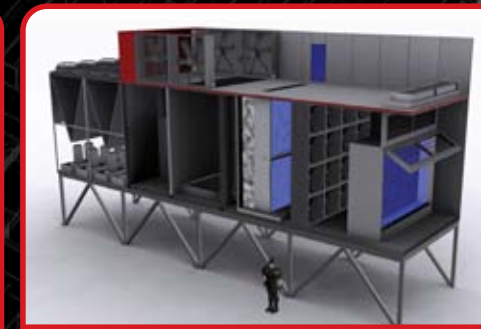
16 fans per fan wall per unit producing 75,000 CFM at N+4 per TSC



Dual box and bag filter zones allows up to MERV 20 filter rating for outside air



Multiple condensors - System+System +System efficiency chambers



TSC 600 WDM Design scematic sections



Cool-T high CFM duct support prefab cooling pathway system



16 compressors per DX section for fail-over and dehumidification



DX allows for forever run times without water



Automated damper controls for real-time CFM adjustment by L.D.C.

Advanced Heat Containment



WDMD | t-scif - Thermal Separate Compartment in Facility



Modular Cooling Tower Tri-Stack inline add on expansion system



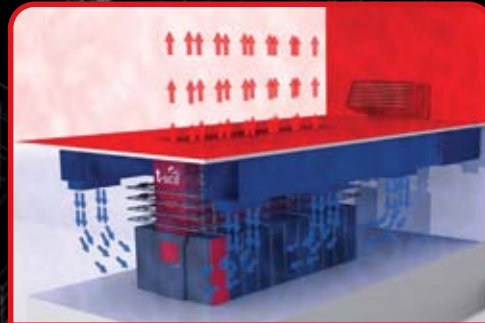
The t-scif Shields and the t-scif Struts provide 99% containment



Dual client breaker panels are built into each t-scif cage for added safety



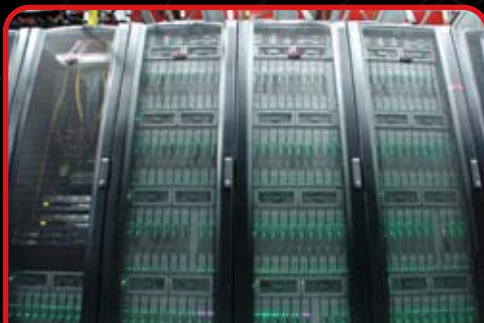
The Switch designed Grav | Door for complete aisle separation



The thermal-scif Containment Pathway Ecosystem



Dual power systems delivered to every cabinet providing 100% up-time



Extreme density power and cooling allowing for over 1,500 watts per sq/ft



4 layers of heat aisle adjustable cable management



Switch cabinets allow for 8 x 208 three phase power distribution units

Tri-Optimized Redundant Power



WDMD | Power Spine - The Switch Power Delivery Stanchions



10 x separate red gateway Switch Gear modules from 12,470 KVA power rooms



5 x 2.8 MVA Generators for each 10 MVA power room - 50 total at the SuperNAP



2 x 1.4 MVA red UPS systems per power room - 84 MVA total at the SuperNAP



10 x separate grey gateway Switch Gear modules from 12,470 KVA power rooms



10-10 MVA power rooms empty into the SuperNAPs 1,145 ft long Power Spine



2 x 1.4 MVA grey UPS systems per power room - 84 MVA total at the SuperNAP



10 x separate blue gateway Switch Gear modules from 12,470 KVA power rooms



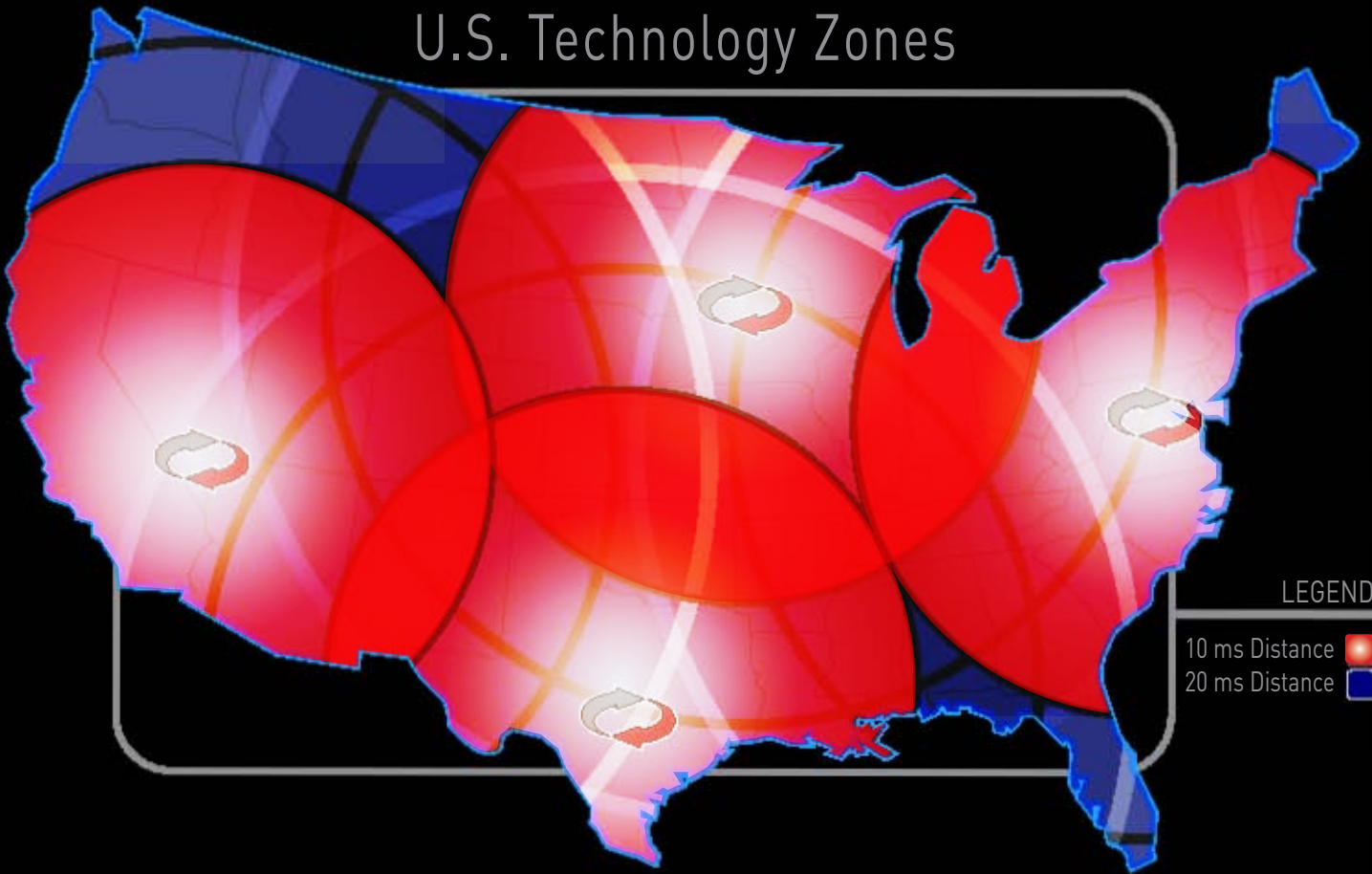
Tri-redundant power systems allow for forever maintainable 100% up-time



2 x 1.4 MVA blue UPS systems per power room - 84 MVA total at the SuperNAP

switch|USA

U.S. Technology Zones



SUPER|NAP® Expansion

www.switchnap.com