



Technology, meet Humanity.

opus:interactive

Data Center Site Selection CHECKLIST

COMPANY PROFILE		PROVIDERS			PROVIDERS		
		1	2	3	1	2	3
Privately held		✓					
Multiple data centers for expansion		✓					
Multiple service locations		✓					
Reputable reference accounts		✓					
Core competency – designs, engineers and delivers data center products and services		✓					
100% uptime SLA		✓					
Offers modular data center products		✓					
Offers enterprise-grade Infrastructure as a Service and full hybrid cloud support		✓					
Standardized data center hardware		✓					
Software optimized data center infrastructure		✓					
Meets ultra-high security requirements		✓					
Tier III Design Certified by the Uptime Institute		✓					
ENVIRONMENTAL THREATS & LOCATION							
Earthquakes – lowest risk		✓					
Tornadoes – lowest risk		✓					
Hurricanes – lowest risk		✓					
Tidal flooding – lowest risk		✓					
River flooding – lowest risk		✓					
Tsunami – lowest risk		✓					
Blizzards/Hail storms – lowest risk		✓					
Flood plain proximity							
Adjacent to highway with hazardous shipping							
Adjacent to railroad tracks							
Easily accessible from airport/highway		✓					
Major delivery services available		✓					
ENERGY EFFICIENCY							
LED lighting		✓					
Motion activated lighting		✓					
Ultrasonic humidification		✓					
Variable frequency drive chillers		✓					
Variable frequency drive pumps		✓					
Variable frequency drive cooling towers		✓					
Variable frequency drive air handlers		✓					
Sealed cabinets		✓					
Net-Zero facility		✓					
COMPLIANCE AVAILABLE							
SSAE 18 – SOC 2 Type 2 Audited					✓		
PCI-DSS						✓	
HIPAA						✓	
CORE POWER							
Total data center capacity available (# MW)					24		
On-site substation							
<i>If yes, dedicated to provider's use?</i>							
Diverse high voltage feeds from utility					✓		
<i>If yes, 12.7 kV/KVA or >?</i>					✓		
CRITICAL POWER							
# backup generators on-site (8 or more?)					✓		
15.25MW+ backup capacity available?					✓		
29,600+ gallons diesel fuel stored on-site?					✓		
How long at full load? (# hours)					72		
Proximity to diesel fuel filling station (# miles)					10		
Battery backup capacity at load (# minutes)					5		
UNINTERRUPTIBLE CONDITIONED POWER							
Concurrently maintainable design					✓		
UPS currently available 8MW, or greater?					✓		
Total UPS available at site 20 MW, or greater?					✓		
Diverse UPS manufacturers					✓		
Diverse PDU manufacturers					✓		
200+ Watts UPS/SF density across data center					✓		
25+ KW/cab spot densities per square foot					✓		
Color-coded power cabling					✓		
Hand-sewn, wax string used					✓		
Overhead cabling					✓		
DATA CENTER STRUCTURE							
LEED Platinum Certified					✓		
Steel reinforced concrete					✓		
# stories					1		
On-site office space					✓		
# freight elevators					1		
# truck/shipping bays					2		
Secure storage					✓		
Managed shipping and receiving					✓		

EFFICIENCY	0	1	2	3
Thermal Energy Storage (TES) option available	✓			
% of time free cooling can be used	✓			

HEAT REJECTION

# of compressors/chillers	9			
# evaporation towers	10			
Capacity of chilled water plant (3400+ tons)	✓			
Bi-directional, welded, valved chilled water loop	✓			

WATER

Diverse water mains	✓			
142,000 or more gallons water stored on-site	✓			

SUPPORT SERVICES

Remote hands/Smart hands available	✓			
24x7 On call engineers	✓			
Managed Services Options	✓			
IaaS & Hybrid Cloud Offerings	✓			
Monitoring, MDR, and Backup Offering	✓			

ACCESS CONTROL

Traffic bollards/car traps	✓			
Digital video surveillance	✓			
Customer defined access lists	✓			
Visitor tracking	✓			
Biometric screening available	✓			
Mantraps	✓			
Locking cabinets, cages, suites and modules	✓			
Private access control systems allowed	✓			
24x7x customer access without delay	✓			
Fenced property	✓			

AIR HANDLING

Concurrently maintainable design	✓			
45 or more modular CRAH units	✓			
Capacity of CRAH units (kw or tons per unit)				
High-density cold aisle containment	✓			
High-efficiency chilled water system	✓			
Variable speed plug fans	✓			

NETWORK CARRIERS	0	1	2	3
AT&T	✓			
Telia	✓			
ACS Alaska	✓			
Cogent	✓			
Comcast	✓			
CenturyLink	✓			
he.net	✓			
Integra Telecom	✓			
Level 3 / TW Telecom	✓			
LS Networks	✓			
SilverStar Telecom	✓			
Verizon Business	✓			
Wave / Spectrum Networks	✓			
TATA	✓			
XO	✓			
Zayo	✓			

NETWORK CONNECTIVITY

Affordable cross-connects	✓			
Carrier-neutral	✓			
On-site Meet-Me-Room	✓			
# diverse fiber entry vaults	✓			
10+ network providers on-site with gateway access	✓			
Enterprise-grade bandwidth w/minimum	✓			
10GB connections to each provider	✓			
Private data transport between data centers	✓			
Dark fiber available	✓			
Wireless service available	✓			

ENVIRONMENTAL CONTROLS

Discreet PLC system automation	✓			
Redundant controllers	✓			
Smoke detection	✓			
Interlocked, multi-zone, pre-action dry pipe and clean agent gas fire suppression	✓			
Rope-style leak detection	✓			
Single point grounding system	✓			
UL approved perimeter lightning protection system	✓			