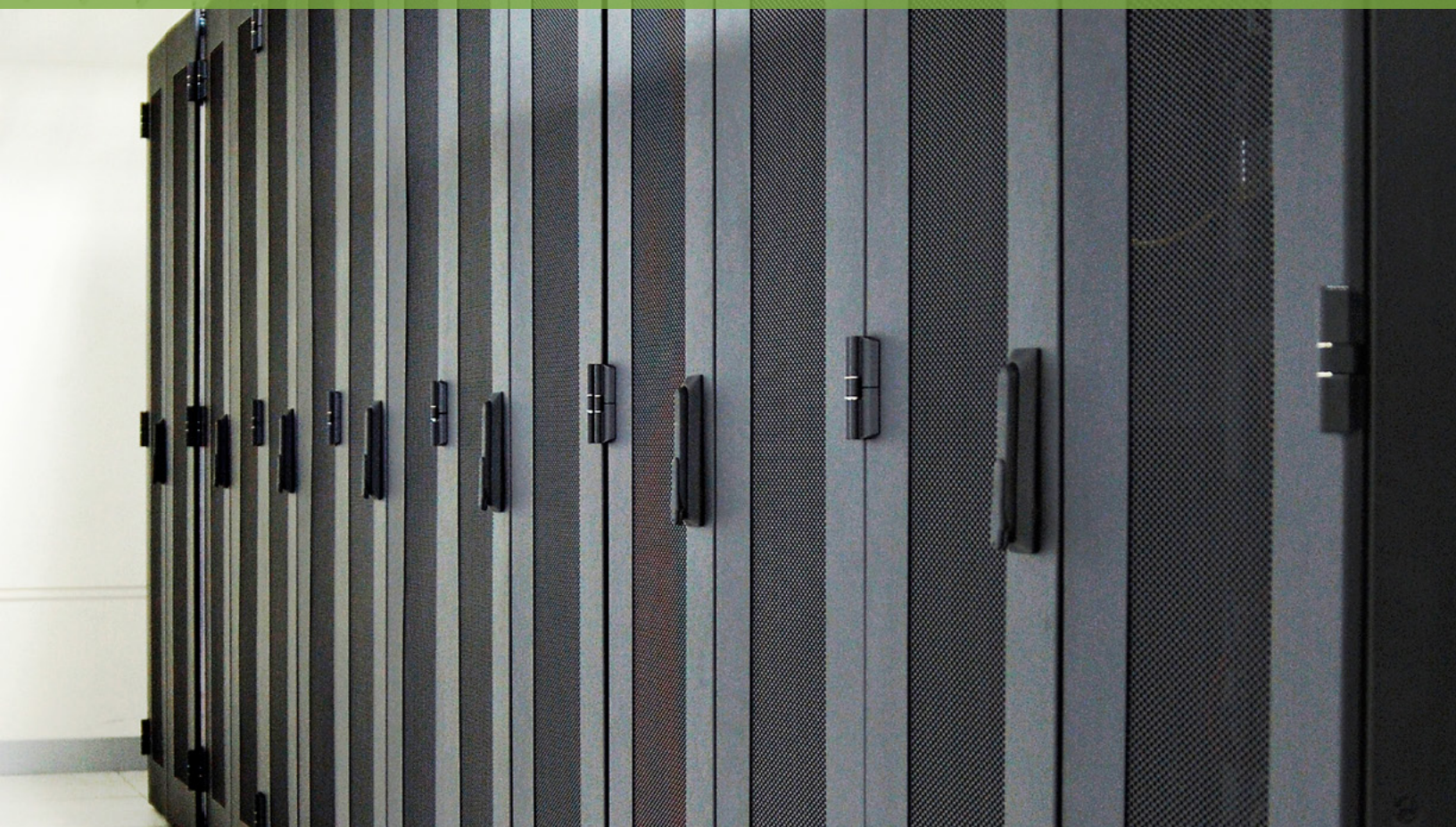# VOLiCO
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Colocation Checklist

Key Data Center Evaluation Criteria

Not all data centers are created equal. You need to know what to look for. Are they equipped with up-to-date technology? Is their location secure and do they have proper certifications? Do they have enough power to ensure your information is never down? Does the data center have highly trained and capable professionals on staff?

AICPA
Service Organization
AICPA Service Organization Control Reports
SOC
AICPA.ORG / SOC
Formerly SAS 70 Reports

PCI
Security
Standards Council

HIPAA
NIST

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Data Center Feature	Vollico	DC 1	DC 2	Notes
Colocation Provider - General Information				
Privately held	✔			
Reputable customer references	✔			
Owns/operates multiple data centers	✔			
Offers geographic diversity/redundancy	✔			
Core competency - designs, engineers and delivers IT infrastructure	✔			
Situated above 500 year flood plain (FEMA HMP)	✔			
Enterprise-class cloud services	✔			
Diverse range of managed services	✔			
Standardized data center hardware	✔			
Offers software optimized data center infrastructure	✔			
Best-of-breed technologies and equipment	✔			
Documented current business continuity, DR and emergency preparedness plans	✔			
Multi-layered approach to data center security	✔			
Outside major population zones	✔			
LOCATED WITHIN POTENTIALLY DANGEROUS FLIGHT PATH	✘			
Location near major highways and airports for easy access	✔			
Power System				
100% Fully Redundant power system	✔			
2N+X Smart-Grid Generator System	✔			
Multiple emergency refuel contracts in place (Miami-Dade, Broward, West-Palm)	✔			
2N+X Smart-Grid Uninterruptible Power System (UPS), redundant parallel architecture	✔			
Branch circuit monitoring in place on all electrical circuits	✔			
Metered power billing or flat rate power billing options	✔			
Concurrently maintainable uninterruptible design	✔			
Accredited electrician on staff	✔			

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Data Center Feature	Vollico	DC 1	DC 2	Notes
Cooling				
High density cooling capability 300+ watts per square foot	✔			
2N+X Smart-Grid Cooling System	✔			
Concurrently maintainable uninterruptible design	✔			
Hot/cold aisle containment design	✔			
100% Redundant Liebert CRACs	✔			
High-efficiency Dry-Cooler closed-loop condensor system	✔			
NO COOLING TOWERS (not city water dependent)	✔			
Variable Frequency Drives (VFD) speed monitoring and controls	✔			
Compliance / Audits / Certifications				
SSAE 16 Certified	✔			
PCI DSS HITECH Certified	✔			
SOCI, SOCII Certified	✔			
HIPAA Certified	✔			
Physical Security				
7 point military-grade security protocols	✔			
Multifactor authentication system (Proximity, Finger Biometric, Facial Recognition)	✔			
Gate controlled entry	✔			
Locking cabinets, cages and suites	✔			
All cabinets, cages, and suites individually alarmed and monitored	✔			
Exterior landscaping to prevent concealment of intruders	✔			
Authorized access personnel lists and visitor tracking	✔			
24/7/365 security guards	✔			
Video recording and digital archiving	✔			

Data Center Feature	Vollico	DC 1	DC 2	Notes
Energy Efficiency				
Motion-activated lighting	✔			
Hot/cold aisle containment design	✔			
Variable frequency drive centrifugal pumps	✔			
Multi-Stage high SEER Liebert semi-hermetic compressors	✔			
Multi-Stage high SEER Liebert CRAC	✔			
Multi-Stage high SEER Liebert Dry-Coolers	✔			
Physical Structure				
New or renovated in last 5 years	✔			
225+ Pounds per square foot floor load	✔			
Category 5 Hurricane resistant construction	✔			
Easily accessible from airport/highway	✔			
Commercial grade 4500pound freight elevator	✔			
Managed shipping and receiving	✔			
Window-less Construction	✔			
Environmental Controls				
Multi-point bonded grounding system	✔			
UL / LPI Certified perimeter lightning protection system	✔			
Discreet PLC/BMS automation	✔			
Redundant controllers	✔			
Fire detection/prevention/VESDA	✔			
Interlocked, multi-zone, sure-fire pre-action dry pipe	✔			
ANSUL Inergen Green gas fire suppression System	✔			
Leak detection	✔			

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COLOCATION PURCHASE CHECKLIST

Data Center Feature	Vollico	DC 1	DC 2	Notes
Network Connectivity				
100% Cisco powered MPLS network	✔			
Carrier-Agnostic	✔			
Carrier-Neutral	✔			
Diverse fiber entry vaults	✔			
Multi-home BGP4 transit routing	✔			
Enterprise-grade blended Internet bandwidth w/multiple connections (Mini10 GB)	✔			
Multiple private connections (minimum 10 GB) to other data centers	✔			
Dark fiber available	✔			
Support Services				
Smart hands available 24x7x365	✔			
Managed installation (rack and stack)	✔			
Cable management	✔			
NOC 24x7x365	✔			
Power cycling	✔			
Software Engineering Consultation	✔			
Systems Engineering Consultation	✔			
Network Engineering Consultation	✔			
Customer Amenities				
Wireless Internet access	✔			
Private suites for customer use	✔			
Conference room availability	✔			
Wi-Fi	✔			
Lounge/Kitchen	✔			
Disaster recovery planning assistance	✔			
Disaster recovery cubicles	✔			
Disaster recovery private suites	✔			