

Top U.S. Bank Races to Facilitate High-Performance Compute Required For Regulatory Deadlines

Leading financial institution partners with Centersquare to accelerate infrastructure and power upgrades for impending risk modeling mandates.

Background

Surging data volumes, growing AI/ML compute demands, and tightening regulations are stretching financial industry infrastructure to the limit. This leading U.S. bank with global operations was no exception as it raced to implement regulator-mandated risk models with outdated systems that were hindering secure, timely compliance.

Challenge

The bank's internal legacy data centers lacked the power, cooling, and space to accommodate high-density server deployment required to run large data sets and language modelling. In addition, tight compliance deadlines made further investment in outdated infrastructure untenable especially with rising legacy system operational costs exacerbating the situation.

Solution

The customer turned to Centersquare to build a modern data center solution that could rapidly meet technical and regulatory demands without compromising security or ROI. Our customized solution comprised a multi-site grid across Tier III+ Centersquare data centers strategically distributed to enhance resiliency and geographic diversity. Each location offered:

- **Built-to-suit deployments** with scalable infrastructure and tailored physical layouts.
- **Advanced cooling systems and power distribution** optimized for high-density compute environments.
- **Carrier-diverse dark fiber connectivity** between data centers with direct cloud links for future scalability.
- **Extensive physical security, preventative maintenance schedules, and a 100% uptime track record** to align with FINRA and SEC compliance mandates.

Results

Our unmatched speed, flexibility, and custom solutions expertise enabled this financial services powerhouse to precisely and securely satisfy mandated deadlines with results that included:

- **Rapid power provisioning** due to our pre-negotiated utility contracts.
- **Immediate network connectivity** from choice of preferred carriers.
- **On-time deployment** of a custom, multi-site, high-density compute grid
- **Full compliance** with zero audit findings, meeting all physical and logical control requirements.
- **Long-term operational agility** for future workload scalability.
- **Preserved ROI** through efficient infrastructure provisioning.

SNAPSHOT

Industry

Financial Services

Use Cases

- High-performance compute for risk modeling
- Multi-site infrastructure for regulatory compliance
- Legacy system offload and modernization

Objective

- Deploy a scalable, multi-site compute grid to meet regulatory modeling requirements and reduce operational risk

Results

- Rapid deployment of customized, multi-site compute grid
- Met urgent regulatory deadlines with zero audit issues
- Orchestrated future-ready data center blueprint enabling long-term infrastructure scalability
- Preserved ROI through efficient power and network provisioning

About Centersquare

Centersquare is a preeminent colocation provider with a proven track record of providing highly reliable data center services. Prioritizing security, reliability and superior customer service, Centersquare offers flexible data center solutions backed by a 100% uptime guarantee for thousands of diverse organizations across all industries.



Learn more at
www.centersquaredc.com

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