

Global Semiconductor Industry Leader Scales Infrastructure While Maintaining Service Excellence

SaaS platform provider taps Csquare to power next-gen workloads and infrastructure expansion without disrupting user experience

Background

A semiconductor industry innovator offering SaaS platforms and lab solutions for chipmakers faced a common scalability issue. It needed to modernize its infrastructure to adopt new technologies and support legacy systems without disrupting service for its globally diverse customer base.

Challenge

As worldwide demand grew for this customer's services, so did its need for a data center expansion to add more power and space for high-density workloads and consolidate primary low-density legacy systems. The semiconductor industry powerhouse also sought to reduce costs, improve reliability, and launch new services. The objective was clear: precisely execute a distributed platform in a consolidated data center environment to support legacy systems and high-performance services—without compromising the user experience.

Solution

To address the customer's need for consolidation, scalability, and reliability, Csquare delivered a bespoke colocation solution built on a flexible deployment model and scalable infrastructure that included:

- **Tailored power models** with multiple power configurations—primary, redundant, and tertiary—to ensure continuous uptime for high-performance compute and storage systems.
- **Seamless integration** and phased rollout to maintain uninterrupted operations and service quality with smooth consolidation of legacy systems and new platforms.
- **Flexible commercial terms** to support customer's expansion goals with a cost-effective, adaptable commercial model.

Results

Our engineering and operations teams partnered with this large enterprise customer to build and execute a strategy that achieved strong outcomes such as:

- **Accelerated delivery** for data center expansion completed ahead of schedule, enabling faster response to new business opportunities.
- **Budget adherence** for expansion project, allowing customer to reinvest savings into other strategic initiatives.
- **Uninterrupted service** due to transition plan executed without disruption to customer-facing solutions, preserving satisfaction and reliability.
- **Sustained growth** driven by modern infrastructure that unlocked revenue opportunities by launching new services and acquiring new customers—while reducing legacy system risks.

SNAPSHOT

Industry

Information Technology

Use Cases

- High-performance compute
- Legacy system modernization
- Infrastructure consolidation

Objectives

- Execute unified platform supporting legacy and high-performance workloads—without impacting user experience
- Build flexible power and space colocation strategies to accommodate current and future infrastructure requirements

Results

- Deployed scalable, and reliable data center expansion
- Completed ahead of schedule, within budget
- Achieved seamless customer experience during transition
- Enabled new services, attracted new customers, recorded new revenue

About Csquare

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



Learn more at
csquare.com