

KYNDRYL TAKAMATSU DATA CENTER CAPABILITIES

Empowering Japanese Enterprises with Reliable, Secure, and Scalable IT Infrastructure

CURRENT AVAILABLE CAPACITY: 966KW

OVERVIEW

Kyndryl is a global leader in IT infrastructure services. In Japan, our Data Center delivers robust, secure, and innovative solutions designed to support businesses of all sizes.

We enable digital transformation, ensure operational resilience, and uphold the highest standards of data protection and compliance.

SERVICE PORTFOLIO

- Wide portfolio of managed services including resource provisioning, hosting, command center operations, zCloud, and AI private cloud services.
- Carrier neutral architecture allowing customers to select multiple network providers; STNet facilities on site for flexible routing and telecom resilience.
- Operational services delivered jointly by Kyndryl and STNet, combining IT operations excellence with stable energy sector facility management.
- Supports high density compute, including AI and HPC workloads.

WHY CHOOSE TAKAMATSU?

- Meets the highest facility and operational standards required for mission critical workloads in finance, insurance, telecom, healthcare, and public sectors.
- High availability dual building campus offering exceptional redundancy.
- Local Kyndryl engineers operate within 5 km of the site, providing 10–30 minute rapid response during emergencies.
- Strong partnership between Kyndryl and STNet ensures reliable, long term facility stability with advanced IT operation capabilities.
- High density capability (up to ~21 kVA per rack) supports next generation workloads such as AI, analytics, and HPC.
- Ideal for both production hosting and DR sites for western Japan.

KEY CAPABILITIES



High security, industry leading data center designed to protect mission critical customer data.



Located in Takamatsu, a region with very low risk of earthquakes, tsunamis, and liquefaction, ensuring stable long term operations.



Fully compliant with FISC standards and aligned with JDCC Facility Standard Tier 4, supporting the requirements of financial, insurance, healthcare, and government workloads.



Operated through a strategic partnership with STNet, a 100% Shikoku Electric Power subsidiary experienced in running stable, power critical systems.



Supported by standardized operation processes aligned with ISO/IEC 27001 and ISO/IEC 20001.



Ideal for customers seeking a western Japan production site or a high reliability DR site.

TECHNICAL OVERVIEW

- Base isolation structural design reducing horizontal seismic acceleration to approximately 200 gal; PML of about 1.0%, significantly stronger than Tier 4 requirements.
- Cooling systems include cascade air conditioning, external air cooling, and solar power generation to optimize operational efficiency.
- Fire protection with inert gas extinguishing, ultra sensitive smoke detection, and multi level compartment design.
- Seven layer physical security: infrared sensors, IC card authentication, flapper gates, metal detectors, CCTV surveillance, anti tailgating systems, and biometric authentication.
- Designed for secure, stable operations even during earthquakes, power outages, and other emergencies.
- Available capacity: 966kW

CERTIFICATIONS

- JDCC Facility Standard – Tier 4.
 - FISC compliant.
 - ISO/IEC 27001
 - ISO/IEC 20001
- (Only certifications verified from your files are included.)

PHYSICAL SECURITY

- Dedicated high security zones with strict access control, regular inspections, and regulated item transport. FISC compliant.
- Segregated zones ensuring clear operational separation between facility infrastructure and IT systems areas.
- Comprehensive physical monitoring through multi layered surveillance and access control mechanisms.

NETWORK CONNECTIVITY

- Fully carrier neutral, supporting multiple telecom providers.
- On site STNet network facilities offer resilient routing and multiple options for enterprise connectivity.
- Integrates seamlessly with Kyndryl's nationwide network hubs including multi cloud connection points (e.g., Osaka Kyobashi, Ariake).

DISASTER RESILIENCE

- Located in an area with minimal seismic activity, low tsunami exposure (approx. 3 m), elevation of ~14.5 m, and ~6 km inland from coastline.
- Built on strong ground with no liquefaction tendency (PL value 0.00).
- Infrastructure designed to remain operational during natural disasters; suitable for DR and business continuity scenarios.
- Facility owner STNet operates under the electric utility quality model, contributing to extremely stable operational performance.

STRUCTURE

- Two main data center buildings:
 - **N Building** (completed December 2013)
 - **S Building** (completed October 2019)
- Approx. 4,000 m² of server room space.
- Base isolation foundation with core mechanical, electrical, and IT areas placed on optimized DC floors.
- **Power architecture:** dual utility feeds, UPS (N+2), diesel generator backup (N+1), and up to **21 kVA per rack** for high density deployments.
- **Cooling design:** hot/cold aisle containment, overhead cabling to reduce airflow obstruction, and support for AI/HPC workloads.
- Carrier neutral network environment with on site STNet switching and flexible multi carrier options.

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