



MC DIGITAL REALTY

A Digital Realty and Mitsubishi Corporation JV

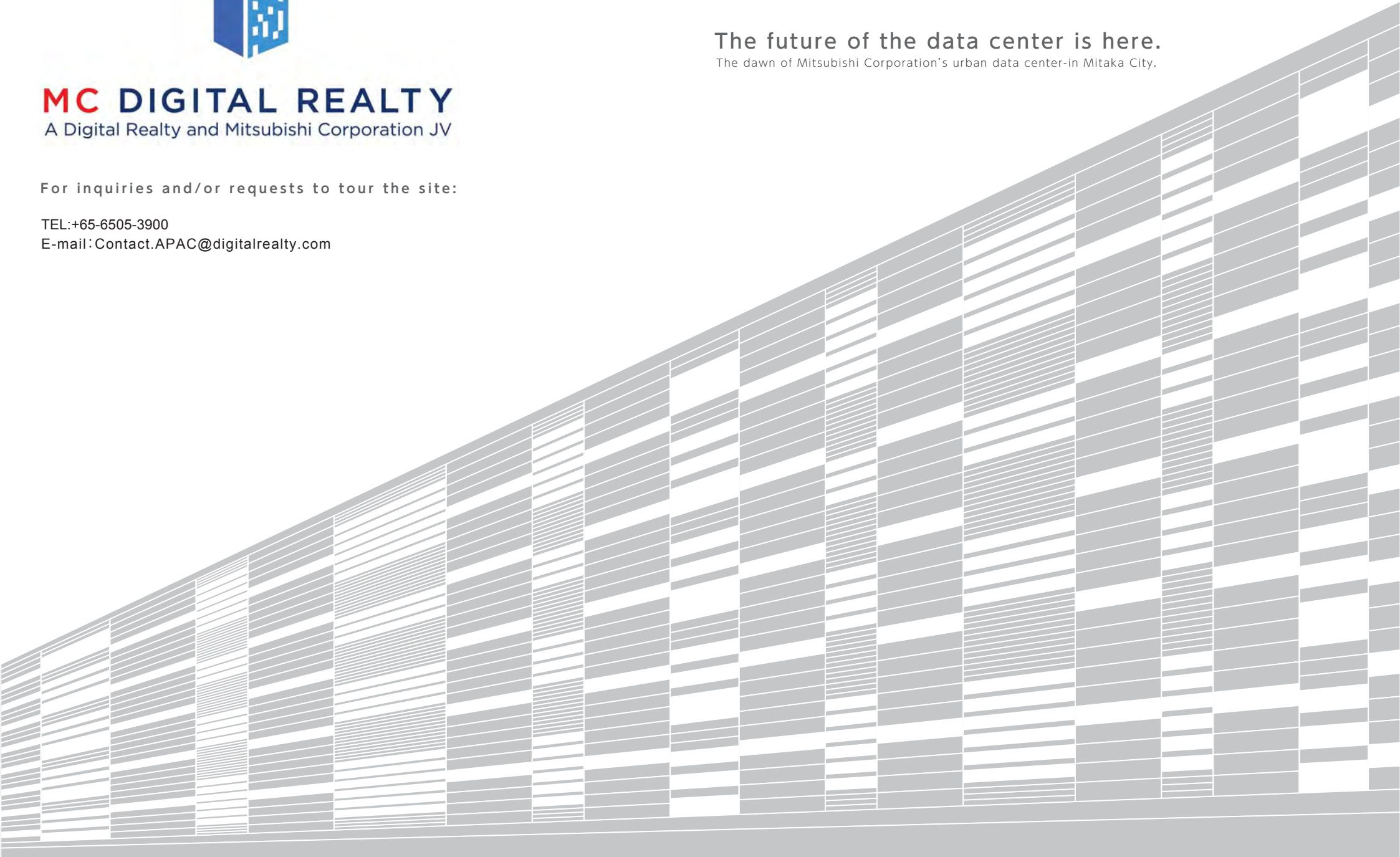
For inquiries and/or requests to tour the site:

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The future of the data center is here.

The dawn of Mitsubishi Corporation's urban data center-in Mitaka City.



Protecting and leveraging information.
 Mitaka City is home to our data center.
 Everything that you could possibly need is on-site.

The safekeeping of information is not the only function required of a data center. Stored data only realizes its maximum value when it is connected organically to the people using it so that it can be utilized rapidly and effectively, at any time.

Mitsubishi Corporation, which has been providing data center operational services for the past 30 years, has built an urban data center at Mitaka City in Tokyo to address the increasingly sophisticated and diverse needs of today's customers.

This new data center pursues the highest standard of reliability and safety while providing the best on-site business environment, complete with various services and related facilities.

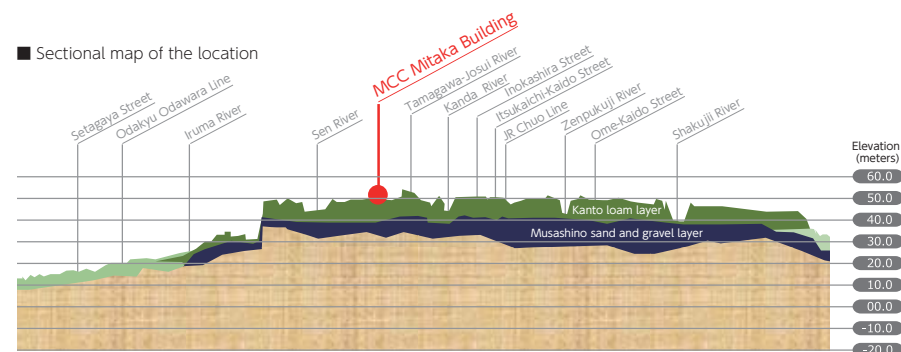
Location

Easy access to central Tokyo. Minimized-risk.
 A location that achieves exceptionally high business continuity.

- Mitaka Station is 15 minutes away from Shinjuku Station. Easy access on JR's Chuo Line, Keio Line, or by car via the Chuo Expressway.
- Situated away from active faults, and on the solid ground of the Musashino Uplands, with little risk of liquefaction. (N-value: 60 or more)
- Over 20 kilometers away from Tokyo Bay at an elevation of 53 meters, where there is no risk of a tsunami.
- Less likely to be affected by traffic restrictions in times of large-scale disasters.



MCC Mitaka Building:
 North Block (left) and South Block(right)



The South Block was completed as a state-of-the-art facility in the fall of 2013. Equipped with the latest seismic base isolation system and a complete outside air cooling system, the new building achieves both enhanced reliability and high environmental performance.

The two buildings combined help to realize maximum utilization of information by not only managing data, but also by organically connecting it to the people who need it. The site offers a variety of facilities to answer diverse needs.

Facilities

The design of the facility offers the flexibility needed for customized solutions and the Tier 4 capability provides the highest level of safety.

- Built with the latest seismic base isolation system, it achieves a PML value of 3.0. (design value.)
- Receives power through two high-voltage lines (main and spare lines.)
- In-house generator stocked with A-type heavy oil for 72 hours of uninterrupted operation.
- Redundant wiring, plumbing, and other equipment.
- Accommodates highly-integrated, high-density mounting cabinets and cages, and allows tiered installation of server racks to allow freedom in designing customized layouts.
- Supports a floor load of 1.5 t/m² and an average of 6kVA per cabinet.



Ecology

High energy efficiency of PUE: 1.22
High environmental performance ranked as CASBEE "S".

- The first urban data center in Tokyo to implement a complete outside air cooling system.
- Additional features such as earth thermal energy, spraying water on rooftop equipment, etc., realizes a PUE of 1.22 at maximum efficiency.
- Achieved the CASBEE "S" rank (design value) by installing greenery on the rooftops and using rainwater etc. The South Block is certified as a top-level facility by the Tokyo Metropolitan Government.



MCC Mitaka

Security

Highest standard of security that combines cutting-edge equipment with manned surveillance.

- High-quality security equipment including security gates, IC card readers, and surveillance cameras.
- Added safety with 24-hour year-round manned surveillance and patrol.
- Security levels, such as baggage checks, can be adjusted to match the requirements of the customer.



Services

A wide range of operational services, including system development to operation and maintenance.

- High level of trust based on many years of experience of providing long-term operational services to large telecom carriers, manufacturers, and financial companies.
- Provides flexible services such as housing, hosting, and colocation.
- 24-hour year-round operation and monitoring from the on-site operation center.



Business Features

Available for use as a remote office in your business continuity plan.

The wide range of facilities on offer make it a comfortable business environment.

- Meeting and conference rooms, presentation rooms, open spaces, and a range of other facilities.
- Spacious cafeteria and refreshment room .



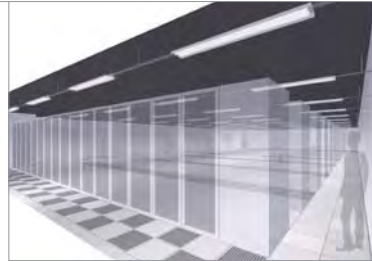
Two different types of buildings, the South Block and the North Block, are situated on the same site. These buildings offer a high level of freedom in designing the area layout according to your needs. Please feel free to contact us with your requests.

Business Scheme

The data center can house a variety of configurations; everything from cabinet-based housing to one-floor skeletons.

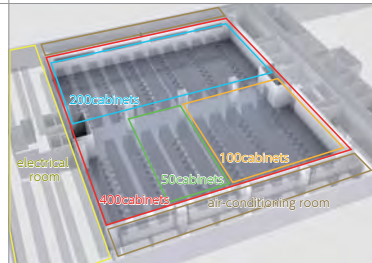
Housing service (from single cabinet)

One-stop service is provided, starting from just one cabinet: from simple housing to daily operations and administration, as well as linkage with cloud service.



Colocation service (from 50 cabinets)

Layouts and equipment specifications that match the needs of the customers are provided in an area that can hold up to 400 cabinets. Caging, power supply, security design, cabling, and more can be changed and designed per cabinet row to meet your requirements.



All-in-one colocation service

This semi-order-made data center solution can be provided promptly and at low cost: it combines a 10-cabinet server room and an operation room.



Main Specifications of MCC Mitaka Building

South Block

- Summary
 - Total floor area • 14,586.24 m²
 - Number of floors • 4 floors above ground
 - Number of cabinets • Accommodates 2,400 cabinets
 - Structure • Steel, rigid-frame structure with seismic isolation; bearing pile foundation
 - Floor load • 1.5t/m²
 - Floor height • 4,550mm with free access height of 800 mm (no ceiling, no joists)
- Equipment
 - Power supply • Extra-high voltage of 66,000V with main and spare lines
 - Air-conditioning • Air-conditioner with floor vents, high efficiency air-cooled module chiller, outside air cooling system
 - Fire extinguishing system • N2 gas fire extinguishing system
 - Networks facility • Multi-carrier connectivity, two separate lines for redundancy.
 - Equipment management • Central monitoring system
 - Power generator • the 2,500 kVA radiator-type diesel generator with N+1 redundancy that allows 72 hours of continuous operation.
- Facilities
 - Tenant/Guest parking
 - Refreshment rooms
 - Conference rooms



Entry/exit control system with vein authentication



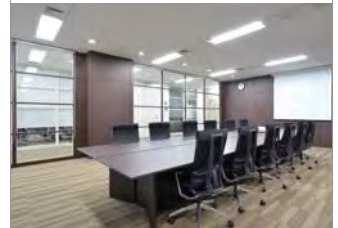
Uninterruptible power supply (UPS)



Emergency electric generator

North Block

- Summary
 - Total floor area • 25,368 m² / Actual area available for rent: 19,700 m²
 - Number of floors • 4 floors above ground, 1 floor below ground
 - Structure • Steel-framed reinforced concrete structure with anti-seismic system
 - Floor load • 500 kg/m² (1 t/m² in some areas)
 - Floor height • 4,050 - 4,200 mm / Ceiling height at maximum of 2,950 mm (server room is built with a free access floor of 450 mm)
- Equipment
 - Power supply • Extra-high voltage of 66,000V with main and spare lines
 - Main transformer • 12,000kVA (regular/back-up), UPS system (N+1 redundancy)
 - Air-conditioning • High-efficiency air-conditioner in common areas / Air-conditioner with N+2 redundancy for server rooms
 - Fire extinguishing system • Indoor and outdoor fire hydrants and halon gas fire extinguisher
 - Networks facility • NTT, KDDI, and SoftBank; Availability for other carriers
 - Equipment management • Central monitoring system
 - Power generator • 2,500 kVA gas turbine-type emergency electric generator with N+1 redundancy that allows 72 hours of continuous operation.
- Facilities
 - Tenant/Guest parking
 - Refreshment rooms
 - Conference rooms
 - Cafeteria



Meeting and conference rooms



Cafeteria