

Colt Tokyo Shiohama Data Centre

Data centre specification



Colt Tokyo Shiohama Data Centre

A secure and reliable urban data centre proven within the financial services industry.

Service overview

Colt Tokyo Shiohama Data Centre is located in Koto-ku, Tokyo and was designed specifically to serve the mission-critical needs of the financial industry.

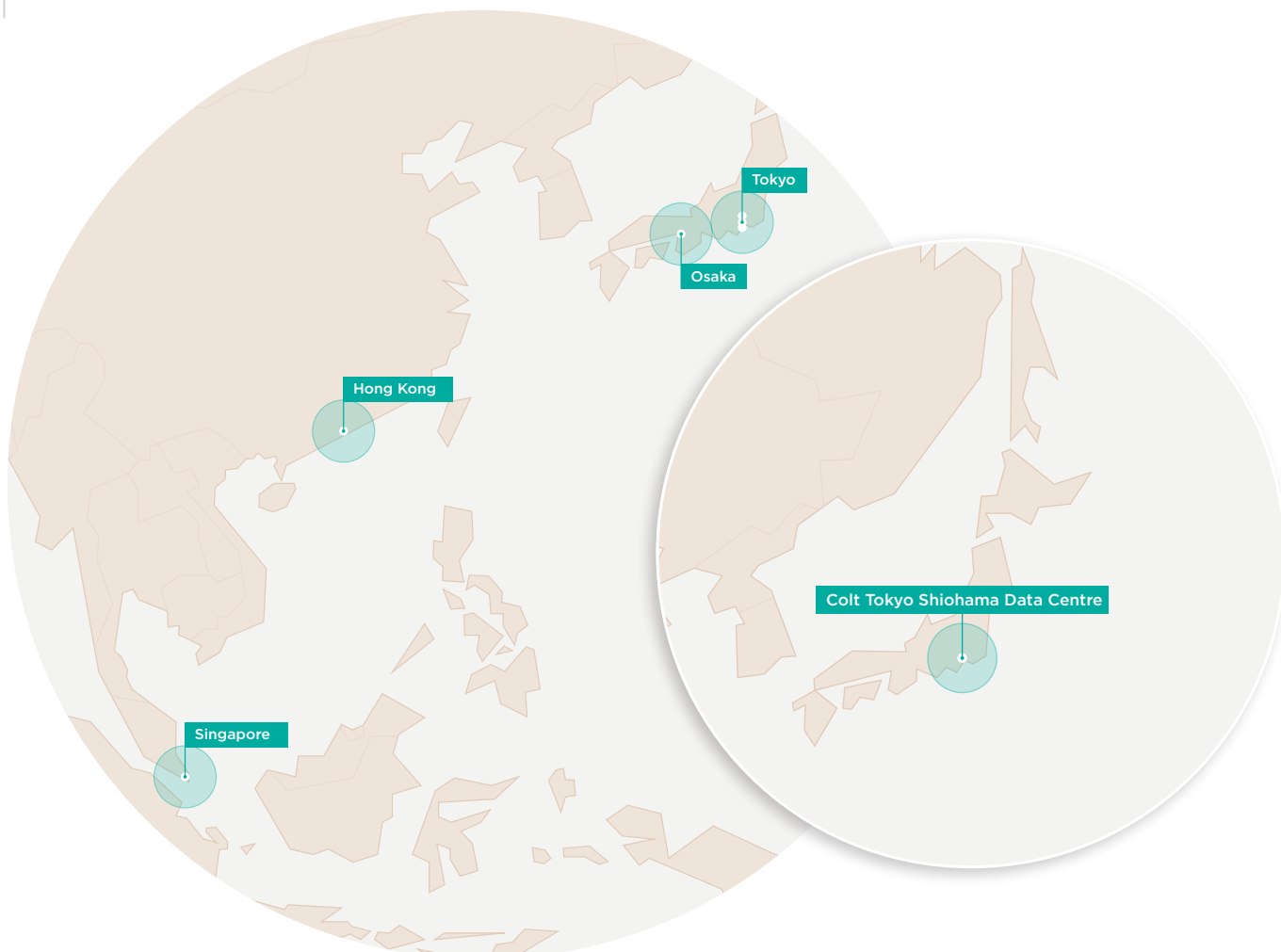
This facility houses a full ecosystem of high-frequency trading participants and offers value-added services ranging from colocation to hosting services for e-business and disaster recovery solutions.

In addition to having the lowest latency network in Osaka and Tokyo, Colt extends its low-latency connectivity services between major financial markets in the Asia-Pacific region. Colt Tokyo Shiohama Data Centre is the ideal managed hosting environment for latency critical connections.

Colt Tokyo Shiohama Data Centre is capable of providing true 2 (N+1) power redundancy with dual power feeds traversing through completely separate infrastructure to reach the rack. Moreover, Colt operational and security procedures comply with recognised international standards, including ISMS/ISO 27001, ISAE3402 certifications and FISC¹ guidelines.

With an employee base representing 26 different nationalities, Colt is multilingual across all levels of the organisation. Colt offers full support in Japanese and English, and our experienced bilingual engineering team is available onsite to advise and make changes to configurations at a moment's notice. All devices are monitored and managed on a 24/7 basis.

¹Follows FISC Security Guidelines on Computer Systems for Banking and Related Financial Institutions (Facility guidelines)



One-stop integrated solutions

Providing a complete bundled solution of telecom and IT services from basic connectivity and professional services.

Ultra low latency network connecting to all major Japanese exchanges

Directly connected to an ultra low latency network that extends to all Japanese exchanges and key financial hubs in the Asia Pacific region.

Global standard in reliability and safety

Equipped with 2 (N+1) redundancy in mechanical and electrical infrastructure, is ISMS/ISO27001 and ISAE3402 certified, and complies with FISC¹, international and national standards.

Comprehensive support

Offering Japanese and English support and customisable Smart Hands services with experienced onsite engineers acting as your eyes, hands and feet on a 24/7 basis.



Facility overview

- Reinforced concrete construction: B1F, steel construction: 1F - 8F
- Anti-seismic construction designed to withstand up to an Intensity-6 earthquake on the Japanese (JMA) scale
- DC - 5 Floors: 9,000m² for racks
- High-performance connectivity using Colt's resilient, low-latency backbone
- Direct connectivity to JPIX, JPNAP and BBIX
- Dedicated private connectivity to MS Azure and AWS cloud available on site
- Bilingual operations staff on site 24/7
- Active monitoring and maintenance of all equipment



Power capacity

- Two 66kV closed-loop receiving systems from TEPCO
- 2F, 3F and 7F: average power capacity: 750w/m², Max power: 1,500w/m²
- 4F and 5F: average power capacity: 850w/m², Max power: 1,700w/m²
- 2 (N+1) configuration
- 10-minute UPS autonomy under full load
- N+1 configuration, gas turbine
- Capable of 48+ hours of operation under full load without refuelling
- Guaranteed 24-hour refuelling cycle enables continuous operation for as long as necessary



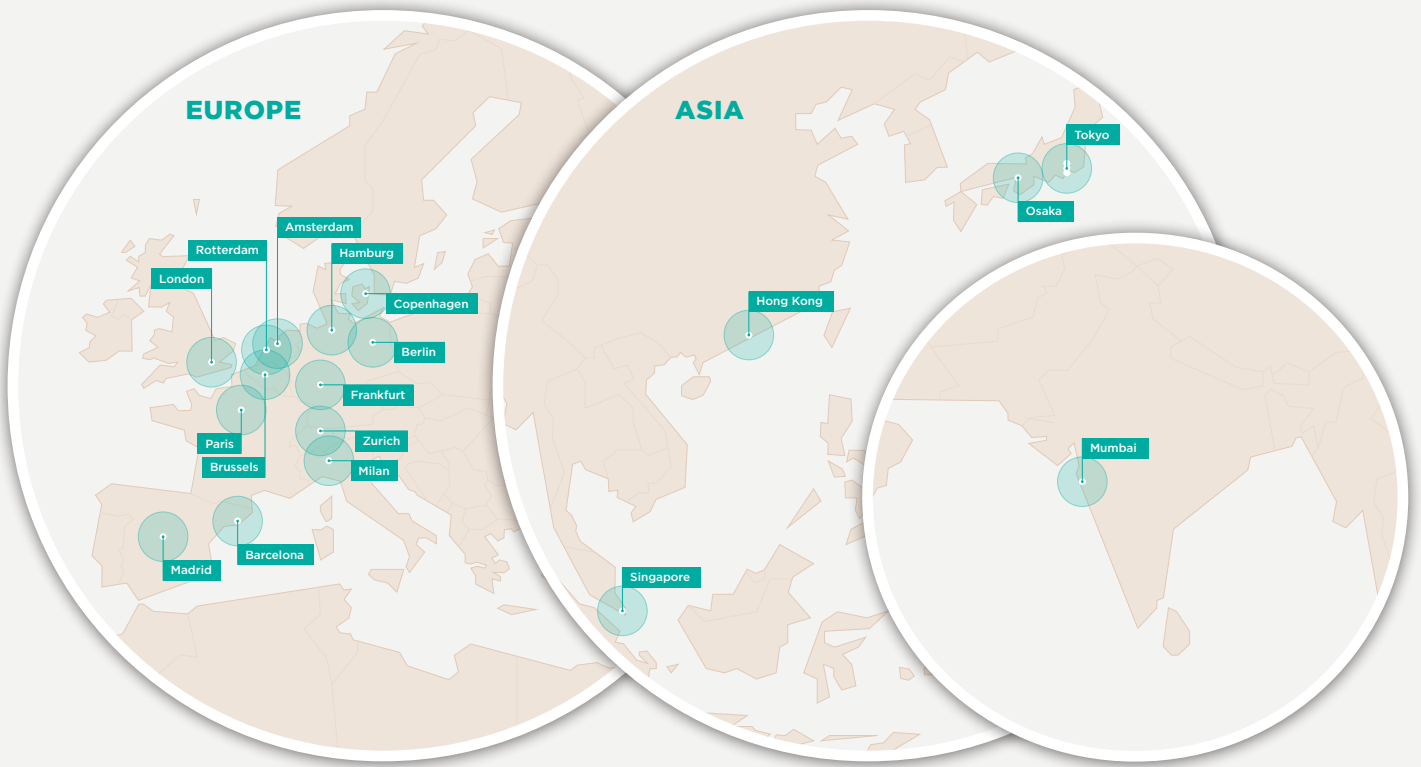
Cooling

- N+1 Computer Room Air Conditioning (CRAC) units, each with dual refrigeration compressors for accurate cooling capacity over the entire raised floor
- Fully looped condenser water cooling system on the roof provides dual path water feeds to the computer room air-conditioners
- Water leak sensors are installed on pipes and CRACs, and each CRAC has watertight edges and frontside drains
- Precise temperature and humidity controlled within a pre-set range
- Temperature setting is 22 ± 2°C, humidity setting is 45 ± 5% RH



Safety

- IT space is protected by an inert gas-based fire suppression system
- Fire hydrants and extinguishers are installed in the ancillary areas
- VESDA based early warning system
- High-sensitivity smoke detectors
- Security staff onsite 24/7
- Multi-layer physical security with biometric authentication system
- Mantraps are located on each floor to prevent unauthorized access - doors configured to remain shut if previous set of doors is still open



Our **Carrier Neutral** Data Centre Locations

Belgium

Colt Brussels Data Centre

Denmark

Colt Copenhagen Data Centre

France

Colt Paris North Data Centre
Colt Paris South West Data Centre

Germany

Colt Berlin Data Centre
Colt Frankfurt City Data Centre
Colt Frankfurt West Data Centre
Colt Hamburg Data Centre

Hong Kong

Colt Hong Kong Data Centre

India

Colt Mumbai Data Centre

Italy

Colt Milan Data Centre

Japan

Colt Osaka Data Centre
Colt Tokyo Shiohama Data Centre
Colt Tokyo Inzai Data Centre
Colt Tokyo Inzai Data Centre Two
Colt Tokyo Otemachi Data Centre

Netherlands

Colt Amsterdam South East Data Centre
Colt Rotterdam Data Centre

Singapore

Colt Singapore Data Centre

Spain

Colt Barcelona Data Centre
Colt Madrid Data Centre

Switzerland

Colt Zurich Data Centre

United Kingdom

Colt London City Data Centre
Colt London West Data Centre
Colt London North Data Centre



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Colt Data Centre Services



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Colt Data Centre Services



In today's world, great businesses must be secure, resilient, scalable and above all - connected.

At Colt Data Centre Services this is our business. Colt Data Centre Services offers flexible and affordable colocation and IT infrastructure solutions. Our connectivity and colocation solutions allow our customers freedom to plan effectively for the growth of their business, knowing that their data centre strategy is future-proof.

We operate 24 state-of-the-art data centres across Europe and Asia Pacific, offering 24/7 security and local language support. We are connected to a further 530+ third party data centres across our network and are able to offer private links into the major public cloud providers.

Colt Data Centre Services has over 20 years' experience in designing, building and operating energy-efficient, reliable data centres - hosting significant financial, media, corporate and cloud wholesale providers across the world.

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Accreditations

ISO 27001

colt
Data Centre Services