Colt Osaka Keihanna Data Centre

Data centre specification

colt
Data Centre Services

Colt Osaka Keihanna Data Centre

Highly secure facility located in Keihanna Science City, the Kansai area

Colt Osaka Keihanna Data Centre is located in Keihanna, providing a highly convenient facility that can be accessed within 60 minutes from Osaka, Kyoto and Nara.

Purpose-designed to meet the high security needs of customers with mission-critical data, Colt Osaka Keihanna Data Centre is a base-isolation building, allowing the building to withstand major earthquakes of up to level 7 on the Japanese earthquake intensity level.
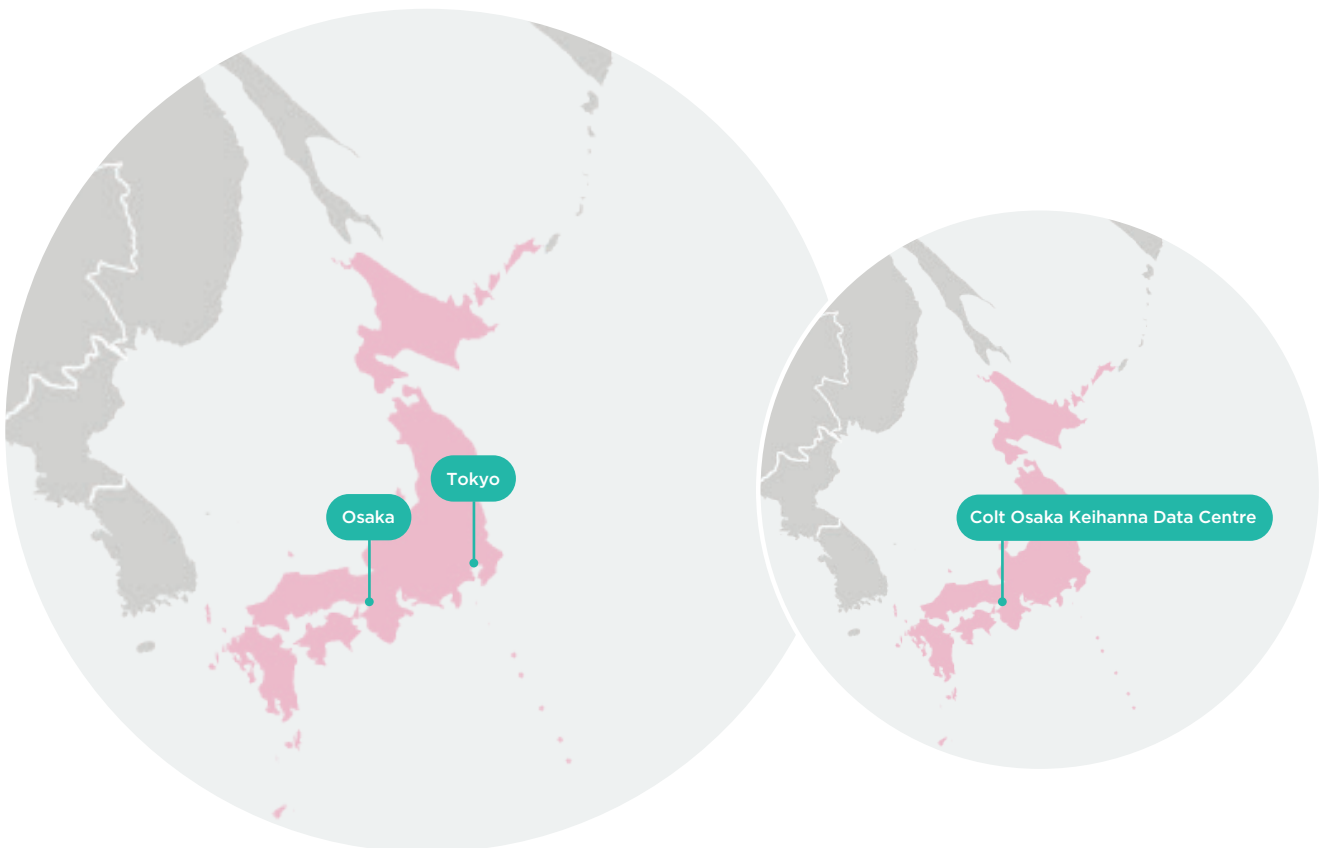
The security measures implemented at Colt Osaka Keihanna Data Centre can offer high security measures and provides flexible solutions to businesses looking to thrive in a fast-moving and constantly evolving business market.

Security features include:

• Surveillance camera monitoring

• IC card verifications

• Biometric authentication systems

Colt DCS facilities throughout the Asia Pacific region are a key part of the organisation's specialised solutions, which combine data centre services with an extensive range of network services, and robust cloud connectivity to enable multinational customers to establish IT service hubs that support their business in Asia.

All Colt DCS solutions are supported by its 24/7 bilingual service desk.

Tokyo

Osaka

Colt Osaka Keihanna Data Centre

Keihanna Science City, the Kansai area
Strategically locationed comparable to Tokyo for ultimate convenience.

Complete bilingual support
24/7 operations and service desk in English and Japanese.

Extensive security measures
Security features equivalent to tier 3 facility, including biometric authentication systems and IC card verifications, in addition to a robust, base isolation structure.

Highly resilient and reliable
Redundant system configurations of 4 Distributed Redundant for the UPS and N+1 for cooling system.

Facility Overview

- Five-storey steel structure
- Building: Base isolated earthquake resistant structure
- Earthquake resistance: level 7 (Japanese Scale)
- Gross technical area of 42,000m^2

- High-performance connectivity using Colt DCS' resilient, low-latency backbone
- Multi-carrier connectivity also available
- Bilingual operations staff (English and Japanese) onsite 24/7
- Active monitoring and maintenance of all data centre equipment

Power Capacity

- 77kV main and sub receiving system
- 45MW of IT power supply to the site
- 2.6MW max per data hall
- Dual power feed system
- 3kW/sqm power feed for IT

- 4 distributed redundant UPS per each data hall
- N+1 configuration, diesel emergency generator
- 48 hours of fuel onsite at full load
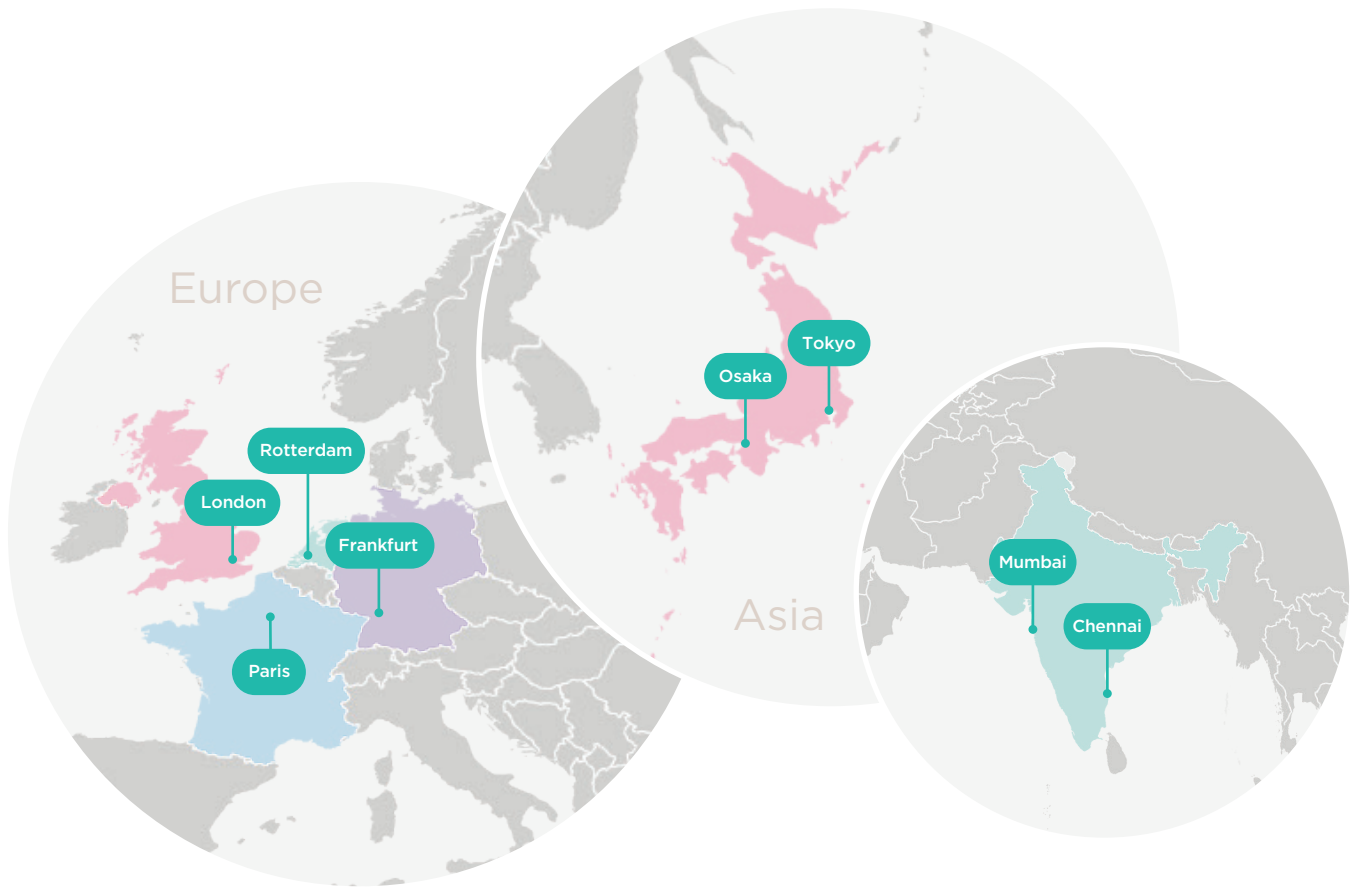- Peak PUE of less than 1.6

Cooling

- Chilled water cooling system with N+1 configuration dedicated per data hall
- Side wall supply / return air plenum
- Hot aisle containment to ensure high air conditioning efficiency

- Exact temperature and humidity controlled within a preset range
- CRAH and pump on mechanical UPS backup and thermal storage tank

Safety

- Nitrogen gas fire extinguishers in the data hall
- Fire hydrants and extinguishers in the ancillary areas
- High-sensitivity smoke detection system

- CCTV, ID card and biometric authentication systems
- Surveillance camera recording – footage stored for 90 days
- Security staff onsite 24/7

Our Carrier Neutral Data Centre Locations

France
Colt Paris South West Data Centre

Germany
Colt Frankfurt City Data Centre
Colt Frankfurt West Data Centre
Colt Frankfurt 3 Data Centre

India
Colt Mumbai Data Centre
Colt Chennai Data Centre

Japan
Colt Osaka Keihanna Data Centre
Colt Tokyo Shiohama Data Centre
Colt Tokyo Inzai 1 Data Centre
Colt Tokyo Inzai 2 Data Centre
Colt Tokyo Inzai 3 Data Centre
Colt Tokyo Inzai 4 Data Centre

Netherlands
Colt Rotterdam Data Centre

United Kingdom
Colt London West Data Centre
Colt London North Data Centre
Colt London 4 Data Centre

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Colt DCS provides true service and operational excellence in the sustainable design, build, delivery and operational management of hyperscale data centres across Europe and APAC. We provide data centre solutions to hyperscale and large enterprise customers across 16 state-of-the-art-carrier neutral data centres spanning 8 cities.

Our hyperscale and colocation solutions allow our customers freedom to plan effectively for the growth of their business, knowing that their data centre strategy is ready for the demands of tomorrow.

We have over 25 years of experience in the industry, delivering on our vision of being the most trusted and customer centric data centre operator in the market. We put environmental awareness at the heart of everything we do because we know it's the right thing to do for our planet. That's why we're taking the ownership to reduce our environmental impact globally and make sustainability a key strategic driver.

As part of our sustainability journey, Colt DCS has set comprehensive near-and long-term Science Based Targets to cut our emissions in line with the SBTi's latest Net Zero Standard.

www.coltdatacentres.net

Accreditations:

ISO 27001
ISO 14001

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