



Colt Osaka Data Centre

Data centre specification



Colt Osaka Data Centre

Robust urban data centre in the Kansai region with leading-edge disaster counter measures and security

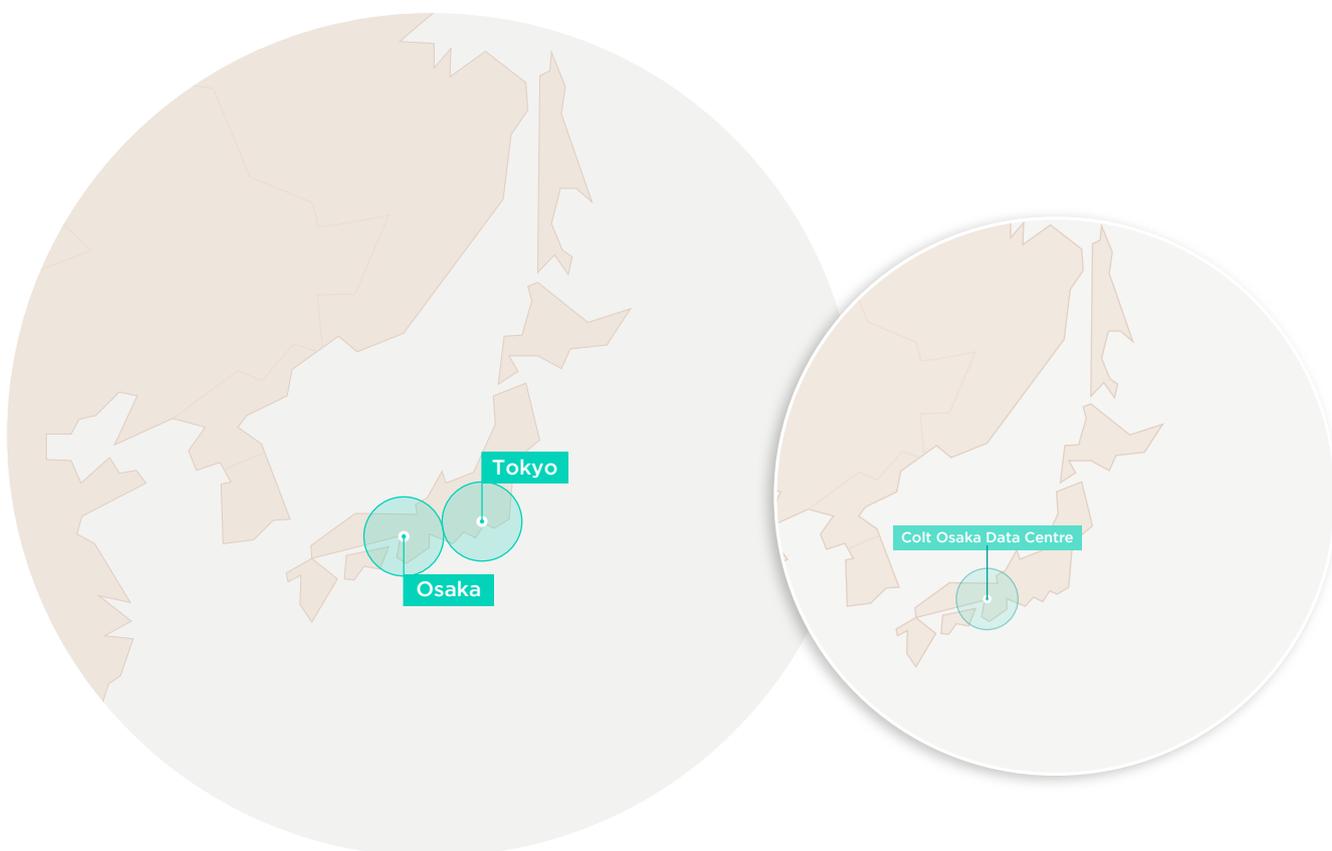
Colt Osaka Data Centre, conveniently located in Kita-ku, Osaka City close to central Osaka, is a high specification Tier 3 facility with carrier neutral network access. Offered with Colt's full range of data centre, network, and managed IT services, Colt Osaka Data Centre is an optimal primary data centre for Osaka/Kansai-based businesses, and a reliable secondary site for Tokyo-based businesses seeking geographic diversity.

The facility is highly efficient and uses natural energies such as free cooling, outdoor air-cooling and solar energy systems to lower its operating costs with a low PUE level of 1.4.

Colt Osaka Data Centre is also an ideal BCP site in combination with Colt data centres in other locations. With electric power supplied from Kansai Electric Power Co., Inc., this data centre is fully equipped with extensive disaster countermeasures, including seismic isolation as well as barriers and a raised entrance floor to mitigate flooding.

Colt Osaka Data Centre offers UPS and emergency power generators, all of (N+1) configuration, and its generators can supply up to 48 hours of full power in the unlikely case of a power outage. Preferred refuelling contracts with suppliers have been secured to ensure additional fuel as required.

Colt's data centres throughout the Asia Pacific region are a key part of Colt's specialised solutions, which combine data centre services with an extensive range of network services, and robust cloud solutions to enable multinational customers to establish IT service hubs that support their business in Asia. All Colt data centre services are supported by Colt's 24/7 bilingual service desk.



Primary data centre site in Osaka

Highly efficient, Tier 3+ facility with a low PUE of 1.4.

Readily accessible urban DC

Conveniently located to visit for operation tasks, approx. 10 minutes by car from Osaka and Shin-Osaka Stations.

Leading-edge disaster control

Seismic isolation and access control using a biometric system.

One-stop integrated solutions

Complete bundled solutions of telecom and IT services from basic connectivity to managed IT solutions and professional service.

Facility Overview



- SRC reinforced concrete construction, 9 floors above the ground
- Seismic isolation with 1.5 times the seismic capacity required according to the Building Standards Act
- 11,534m2 of computing space (up to 1,300 racks) for the entire building
- High-performance connectivity using Colt's resilient, low-latency backbone
- Multi-carrier connectivity also available
- Dedicated private connectivity to MS Azure and AWS cloud available on site
- Operations staff on-site 24/7
- Active monitoring and maintenance of all data centre equipment

Power Capacity



- High-voltage 22kV 3-circuit spot network power receiving system
- Uninterruptible power system with (N+1) configuration
- N+1) configuration, heavy oil standby generators
- Over 48 hours of fuel on-site under full load; preferred refuelling contracted with suppliers
- Average annual PUE of 1.4

Cooling

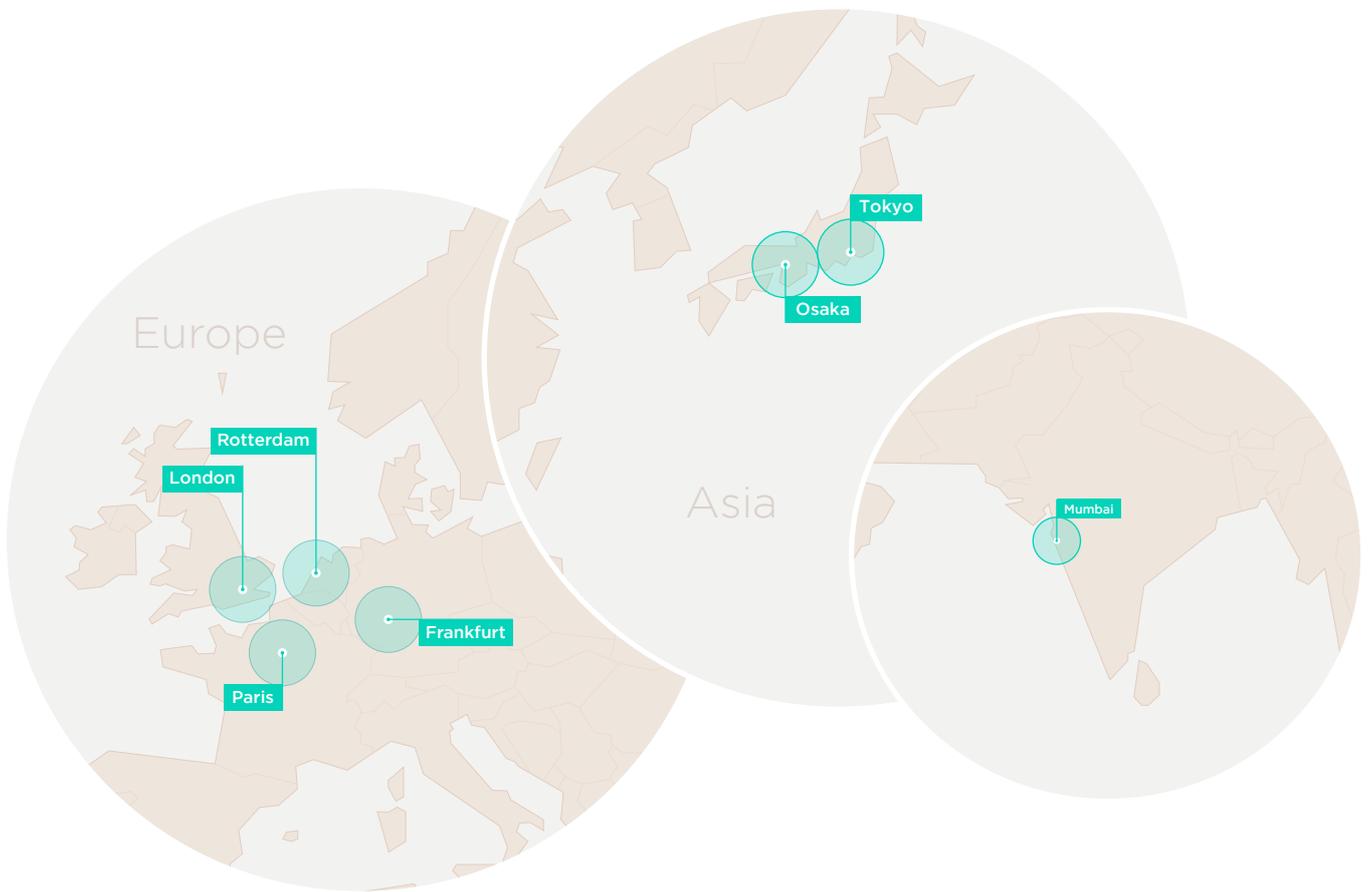


- Combination of central cooling systems, free cooling systems and outdoor air cooling
- Capping installed between each rack to separate circulation of hot and cold air and for significant energy saving
- Precise temperature and humidity controlled by computer by adopting under-floor air distribution systems

Safety



- Nitrogen gas fire suppression system
- VESDA early warning system
- On-site security staff and surveillance cameras 24/7
- Multi-layer physical security with biometric authentication system and ID card access systems
- Mantraps located on each floor to prevent unauthorised access



Our Carrier Neutral Data Centre Locations

France

Colt Paris South West Data Centre

Germany

Colt Frankfurt City Data Centre
Colt Frankfurt West Data Centre

India

Colt Mumbai Data Centre

Japan

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

Netherlands

Colt Rotterdam Data Centre

United Kingdom

Colt London West Data Centre
Colt London North Data Centre

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Colt Data Centre Services provide true service and operational excellence in the sustainable design, build, delivery and operational management of hyperscale data centres across Europe and the APAC. We provide data centre solutions to hyperscale and large enterprise customers across 14 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 center 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, alongside our sister company we are committed to achieving global net zero emissions for our own operations by 2030.

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Accreditations:

ISO 27001 / IS78946
ISO 14001 / EMS 549911



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Data Centre Services