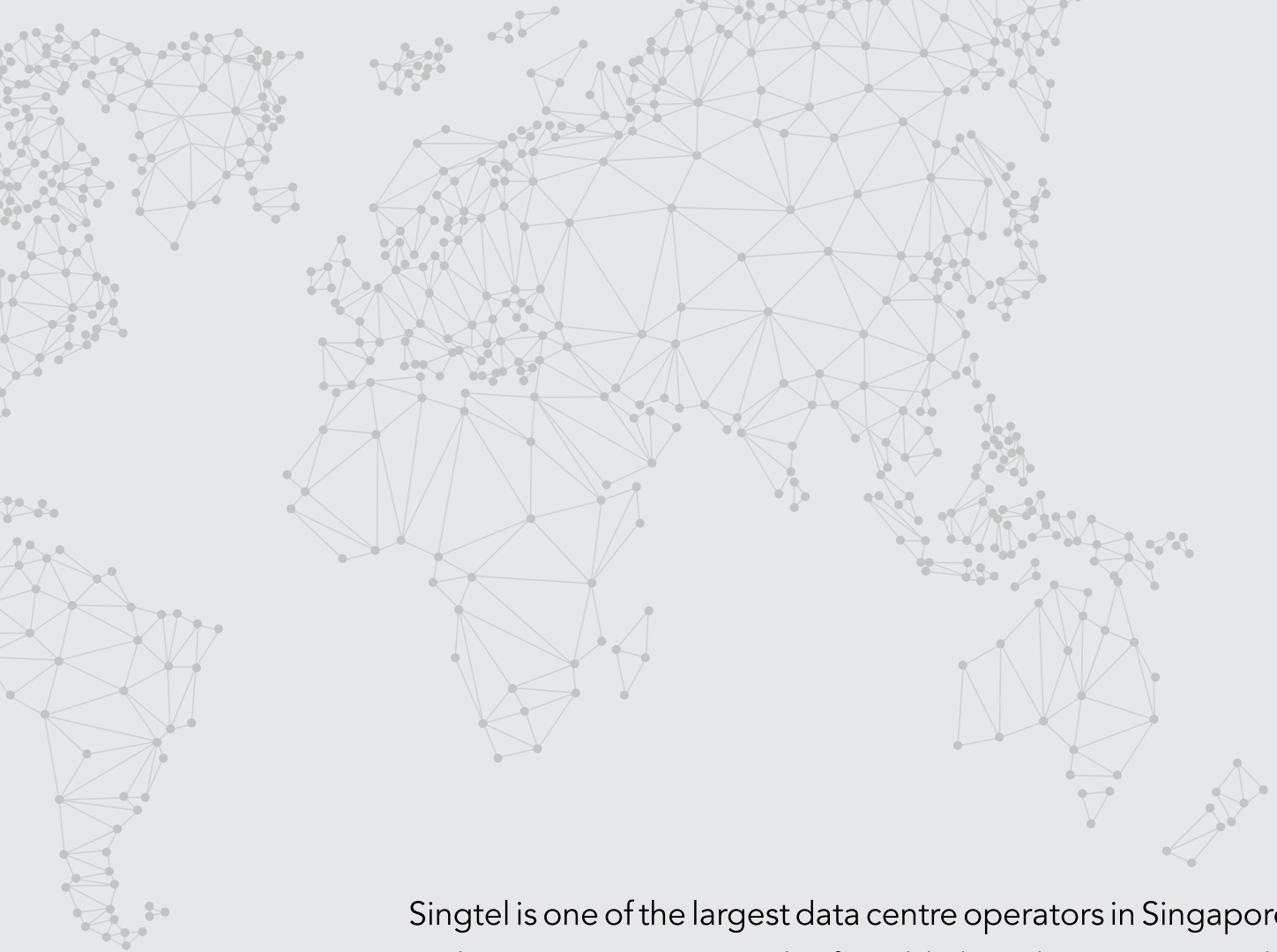




Enabling your growth with DC West, a network-ready data centre.

DC West joins our network of world-class data centres in Asia Pacific to serve your hosting needs. This state-of-the-art facility is designed to be resilient, secure and energy-efficient, and has access to high-speed connectivity options to help you expand beyond Singapore or get a foot into other growth regions in the world.



Singtel is one of the largest data centre operators in Singapore, and we operate a network of world-class data centres in the Asia Pacific.

In addition to the 12 highly-resilient and secure data centre facilities located across Singapore, Australia and Hong Kong, we also have access to more than 20 data centres across China, India, Indonesia, Malaysia, Philippines, South Korea, Taiwan, Thailand, Europe and USA.

This allows us to deliver managed hosting services to clients with a regional footprint, allowing us to serve as a single point of contact as businesses seek to expand out of Singapore. We help you take care of your IT operations so you can focus on your core business.



Enabling your future growth in Asia

East to west

DC West joins Singtel's network of eight other data centres in Singapore, including our data centres at Kim Chuan 19km away, or our Bedok data centre about 23km in the East. This geographical separation coupled with our high speed inter-DC network means the data centres are ideally positioned for disaster recovery or business continuity, yet close enough that engineers can easily travel between them without compromising their reaction times.

Springboard to the world

As the world turns to Asia for the growth opportunities here, Singapore's location as a data centre hub with excellent infrastructure and ample connectivity to the region makes it an ideal base to connect to various opportunities in the region. With our strong regional connectivity and extensive experience running some of the most modern data centres, we can help you expand beyond Singapore, or to help you get a foot into some of the hottest growth regions in the world.

Physical and digital security

Compute infrastructures are confronted by a greater number of threats than ever. To deal with physical threats, DC West incorporates multiple layers of physical security and anti-terrorist defences in full compliance with the Monetary Authority of Singapore's (MAS) Technology Risk Management Guidelines.

In addition, we stand out with our range of managed security services to advise and help businesses proactively monitor their compute and network environment against digital threats. Indeed, Singtel has positioned itself to acquire new technologies and capabilities to further bolster its cyber capabilities, such as with the acquisition of information security company TrustWave in 2015.



Introducing DC West

The strategic location of our new Tier 3+ data centre, DC West, complements the development plans for Jurong to become the next largest regional and commercial hub outside Singapore's Central Business District. To be ready in Q3 2016, the new facility is designed to meet the increased security and reliability demanded by next-gen power-intensive deployments.

This data centre is equipped with a total power capacity of 36MW, one of the highest power densities in the region. This means that you are able to operate more equipment and deploy virtualisation and blade servers to achieve higher efficiency.

The high power density also enables the data centre to cater for your future growth in Asia. By extending our network of data centres in Singapore, we are able to offer your business unparalleled redundancy and services ranging from entry-level rack space, customised private vaults, secured cages, and high density rack solutions.

Tell us your requirements, and we will be happy to discuss with you on how we can meet them.



The people

Our data centres are designed and manned by experts with decades of experience, and who have helped to implement some of the largest and most complex projects both in Singapore and in the region.



Fully redundant

No assumptions are made with DC West. Our design features redundant power systems that taps into the power grid from two different substations, and a fully 2N design that extends all the way to individual racks.



Managed services

Our pool of qualified data centre and cyber security experts will help you develop a customised deployment or cloud strategy to accelerate business growth without making any compromises in either design or security.



Accreditation

Don't just take our word about the reliability or security of DC West. Our target accreditations upon completion include ISO27001 and Building & Construction Authority (BCA) and Infocomm Development Authority of Singapore (IDA) Data Centre Green Mark Platinum.

Why DC West



State-of-the-art

DC West is a seven-storey purpose-built data centre facility with diverse and physically isolated power systems to ensure continuous operation. A total power capacity of 36MW and cooling density built to 2000W/sqm helps support higher density deployments than before, while the CRAC configuration offers N+20% capacity as an added buffer.



Peace of mind

The facility gives you peace of mind with 8-level of authentication from the moment you enter the building all the way to accessing your rack. This is implemented using both contactless card access and biometric systems to prevent unauthorised access. Closed circuit TV (CCTV) monitoring from the control room is round-the-clock and is recorded. Finally, regular security patrols within facility serve as an added precaution.



Unified connectivity

Up to three diverse fibre paths and two separate communications risers give you access to multiple telecommunication exchanges for the maximum connectivity options. You can also enjoy latencies of a millisecond and below via our high performance inter-DC network. Schedule dynamic bandwidth in advance, or provision it on-demand and get what you need within minutes.



Energy savings

The efficient use of energy is an important tenant of DC West. The building runs on energy-efficient equipment and is controlled by a fully integrated climate monitoring and control system for greater energy efficiency. Critical cooling system will use recycled NEWater, and DCIM software helps to ensure reduced power consumption and energy savings.

Cloud-ready

Plug in to our high-speed inter-DC fibre connectivity for easier dual site redundancy, while our network of data centres and extensive island-wide network opens the door to private and hybrid cloud deployments.

Flexible deployment

Customers have the option for a variety of deployment options, including private vaults, secured cages, open racks, and even special support for high power density deployments.

Full redundancy

Full 2N power redundancy throughout the entire data centre, including the switch board and DRUPS systems. Electrical rooms on each level are also located some distance away from each other for greater isolation.

Decentralised fire detection

Decentralised fire alarm is linked to an external agency and monitored 24x7 as an added precaution. Gaseous and VESDA fire suppression systems help to keep your equipment intact, and all rooms and floors are 2-hour fire rated.



Communications

Diverse fibre paths with three routes and redundant network rooms offers genuine network resiliency against both sabotage and accidental cable cuts.

Hardened perimeter

Our K4 perimeter fencing with intrusion detection systems keeps intruders out, while a K12 rated vehicle barrier at the front entrance defends the facility against vehicle borne threats.

Robust security

The use of both contactless card access system and biometric access control system ensures that only authorised personnel are allowed to enter the data centre.

Ample fuel reserves

Specially designed underground diesel tanks hold sufficient fuel for up to 18 hours at full operating load before refuelling is required.

