



Data Centre Colocation

More than meets the AI

GPU Data Processing. Liquid Cooling.
Sovereign Security. Global Connectivity.



We turn data into opportunity

As one of Australia's leading digital infrastructure providers, Telstra InfraCo brings you a combination of certified engineering expertise, high-speed infrastructure, and state-of-the-art Australian colocation data centres that are **optimised for next generation cloud and AI workloads**. It's why we're trusted to deliver and manage critical infrastructure, providing sovereign, secure, and reliable connectivity solutions tailored to meet the unique needs of the Australian Government, multinational enterprises and global hyperscalers.

Future-ready. Globally connected.

Data drives growth and innovation, and our colocation data centres are the nerve centres powering the world of AI and Machine Learning. Specifically engineered for efficient data storage, ultra-high-speed processing and accessibility – all with robust security protection and responsive scalability – they are your foundation for innovation.

 <p>Liquid cooling</p> <p>We offer direct-to-chip and immersion cooling, tailored to your Graphics Processing Units (GPU) and AI workloads.</p>	 <p>High-density power</p> <p>We provide highly redundant, ultra high-density power designed to globally accredited availability standards, with responsible energy solutions and industry-qualified Power Usage Effectiveness.</p>	 <p>Sovereign, secure capabilities</p> <p>Our data centres are 100% Australian owned and operated, part of the nation's critical infrastructure, and compliant to ASIO security levels and PSPF requirements.</p>	 <p>Cloud connectivity</p> <p>Our unique future-ready infrastructure supports efficient high-speed processing, and cloud connectivity, along with robust data security, while our extensive ecosystem of network solutions provides interconnectivity needed for data centres.</p>	 <p>Carrier and vendor neutral</p> <p>We offer open access for all fibre operators, carriers, ISPs and MSPs with multiple street fibre connection pits and diverse 'Meet me' rooms with built-in redundancy paths for interconnectivity to carriers.</p>
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Certified infrastructure services and support

Our certified professionals are ready to help you get operational quickly with everything from pre-configured, move-in-ready colocation spaces. We offer complete flexibility, from customisable rack spaces to tailored commercial offerings, along with 24/7 Remote Hands support services to meet your needs¹.

An infrastructure eco-system you can rely on

Our Australian colocation data centres are strategically located in the business capitals of Canberra, Sydney and Melbourne, with additional data centres across Australia and globally.

They connect your business into a global ecosystem of world-class infrastructure that's interconnected from core data centres to network edge facilities. Predefined high-speed fibre routes and NBN Point Of Interconnects (POI) enable you to deploy services faster with a wide choice of high-speed connections to more places. As one of Australia's leading network builders, we own and maintain over 250,000 km of fibre spanning the country and are investing up to \$1.6 billion into several key fibre initiatives, including the Intercity Fibre Network and Viasat projects, with construction well underway.

- Lit and dark fibre
- Predefined dark fibre routes connecting Australian data centres and NBN POIs
- Connectivity to ICON (Intra-government communications network)
- Cloud integration with leading Cloud service providers
- Managed Cross Connects
- Telstra Secure Internet Gateways
- Telstra Mobile Networks
- Links to Telstra-owned Australian data centres and multiple global data centres
- 250,000 km of high-speed fibre, links to 400,000 km of subsea cables
- Connections to Satellite Ground Stations and Teleports

¹Remote Hands, ancillary services, and 24/7 technical support are available and may incur additional charges.



Superheroes of server space

Today's data challenges are best solved through teamwork. Our certified engineers bring expertise in AI, machine learning, high-speed networking, compute, and security to complement your own.

We are listed on the Federal Government DTA Data Centre Panel (SON 3945937), which allows all Australian Governments, including state and territory Governments to procure via BuyICT.gov.au.

We don't just bring our best, we bring a world-class experience, including collaborative development of custom environments with global technology partners.

Service excellence, tailored to your needs, delivered with care

Our regulatory knowledge and decades of experience in designing and managing sovereign infrastructure for the Australian Government, multinational enterprises, and global hyperscalers set us apart.

Our caring, customer-first culture means we're flexible in the way we work, with streamlined ordering and management, making it easy to select, tailor, commission and adjust your services, and end-to-end service management designed to ensure everything goes smoothly. Whatever your requirements, our experts are skilled to assist with what you need, to design and build your infrastructure your way.

Our front-of-house help desk is ready to assist, so you can access the facility or seek assistance online or onsite, with certified data centre technicians available to help you when needed.

Plus, if you need help with anything from onboarding to routine maintenance, near real-time monitoring, or emergency response, our Remote Hands Service provides a wide suite of services – from rack management to environmental monitoring, and infrastructure maintenance¹.



24/7 security and access



Local regulatory knowledge



Global partners and suppliers



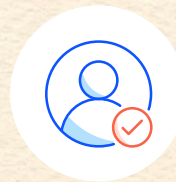
Targeted service levels



Remote Hands¹



Inventory management, technical support and ancillary services¹



Access support - guided tours, escorted access



Helpdesk service management support

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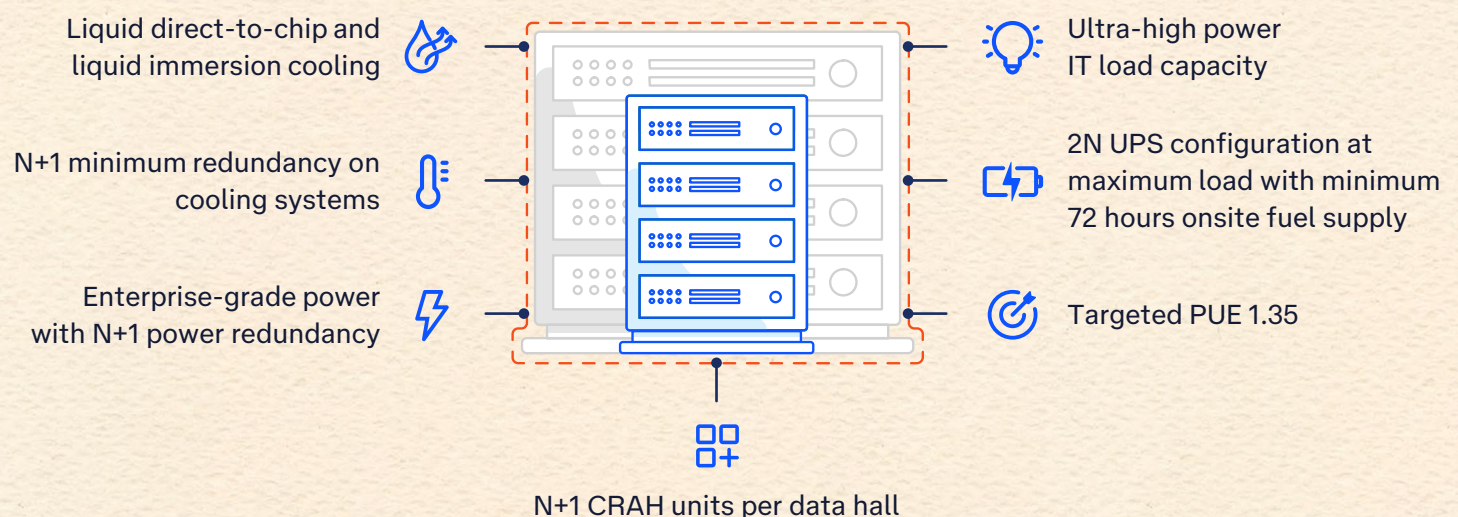


Very cool under pressure

Designed for hyperscale requirements, our colocation data centres are engineered to support the processing, power, and cooling requirements of intensive workloads like big data, AI, and machine learning.

You're free to select the server infrastructure that suits your needs. We offer customisable racks, as well as a staging room.

Our Tier III designed facilities connect you to ultra-high power and robust redundancy. And you'll be able to support your GPU and AI workloads with liquid direct-to-chip and liquid immersion cooling, along with cold aisle containment with hot return space and secure CRAH unit corridor to every unit.



Secure by design

Our colocation data centres are designed according to globally accredited uptime certification standards.

Drawing on decades of security expertise maintaining Australia's large-scale communications infrastructure, and our adherence to stringent security requirements and certifications, we offer high levels of resilience and security.

We support your business continuity through a combination of 24/7 perimeter security monitoring, and maintenance of our highly redundant power supply, advanced cooling systems, cloud security and connectivity pathways. These rigorous security measures help protect you from break-ins, equipment failures, and distribution path interruptions from the data centre to your critical endpoints.

We house and protect your data in highly secure buildings and can offer caged area solutions on request.

Our facilities are continually monitored by industry-certified data centre professionals who detect faults and respond rapidly to meet comprehensive service levels, uptime, and maintenance agreements.

At the edge, we help protect your data with advanced security protections. We offer highly secure, high availability, high-speed connectivity with encryption and robust service uptime agreements.

The result - Our Clayton Data Centre has maintained 100% power availability for approximately 14 years, and our St. Leonards Data Centre for around 10 years. Plus, our other data centres have consistently offered 100% power availability without a single outage.

✓ ASIO security levels and PSPF compliance

✓ Defence Industry Security Programme (DISP) compliance

✓ SOC 2, PCI DSS compliance

✓ ASHRAE standards compliance

✓ TIA-942 compliance



IS 764456



EMS 764395

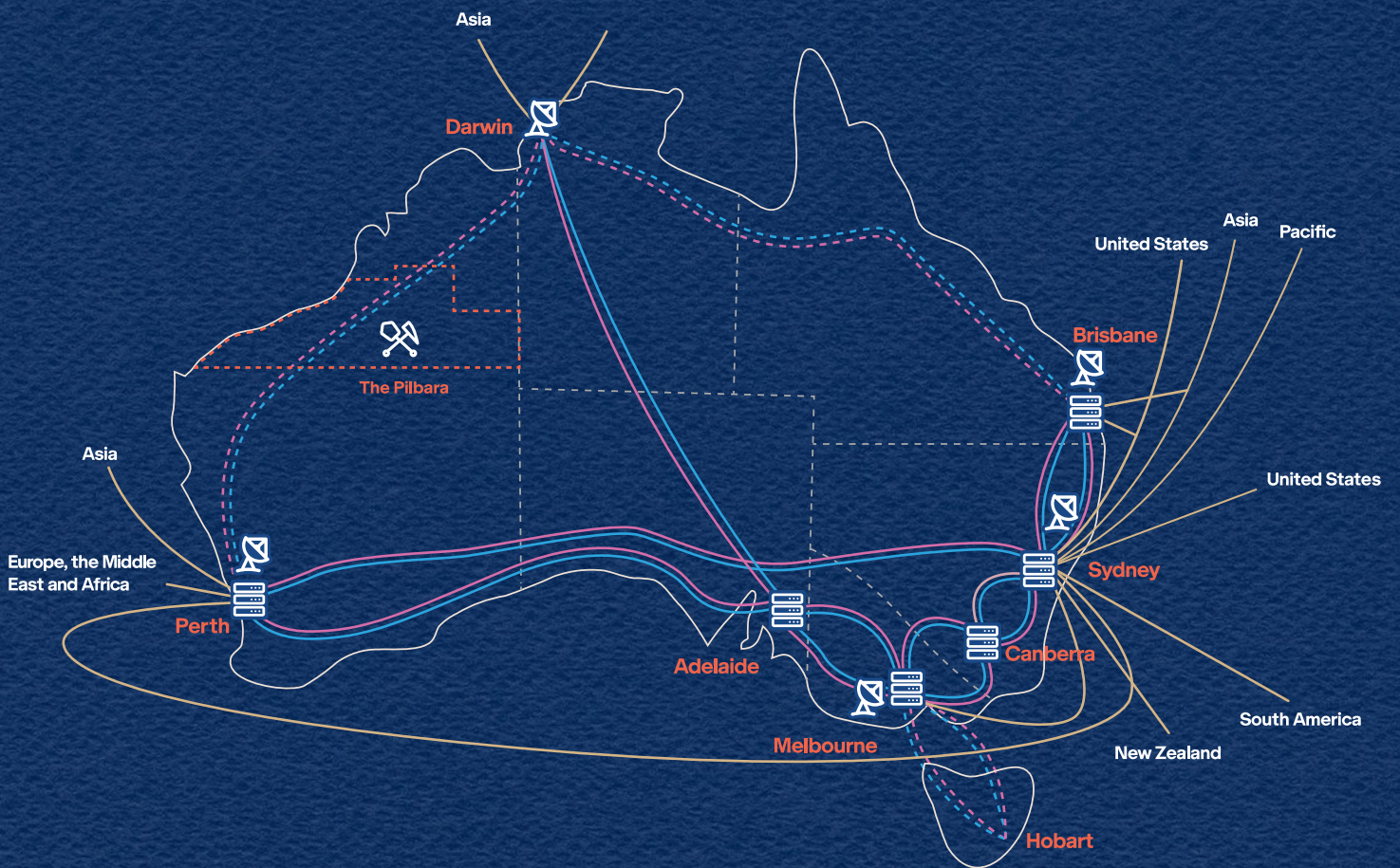


FS 764455



OHS 764398

Engineering Tomorrow



Satellite ground stations/teleport sites

Foundation path

Path subject to demand

Data centres

Express path

Third-party subsea cable

Making ambitious frontiers possible


Our leading connectivity infrastructure can help fast track your data to its destination in Australia or across the world.


With speed and high availability now non-negotiable, you need fast and smooth communications to customers, the cloud, other data centres in Australia, and the world. When you colocate at our data centre, you'll be able to connect with the speed and security you need via our diverse national and global infrastructure portfolio and complete suite of connectivity and configuration options.


Our carrier-neutral facilities offer a wide choice of ultra-high-speed fibre options, including our extensive lit and dark intercity fibre infrastructure with predefined routes linking multiple data centres and NBN points of interconnect (POI).


We also offer direct links into ICON (Intra-government communications network), secure Internet gateways, direct cloud-on ramps, and managed cross connects.


With high-speed connections to Telstra-owned data centres in Australia and globally, as well as access to over a hundred third-party data centres worldwide, we connect you to the world through 250,000 km of high-speed fibre, the Telstra Mobile Network (covering over 2.7 million square kilometres, around 1 million more than any other mobile network, with the largest 5G footprint in Australia), links to 400,000 km of subsea cables, as well as satellite ground stations and new teleport services.


-  **Open access**
for all carriers, fibre operators, ISPs and MSPs


-  Multiple street **fibre connection pits**


-  **Meet Me**
Interconnect rooms with geographically diverse paths


-  **250,000 km**
of high-speed lit and dark fibre


-  Predefined **dark fibre** routes connecting our Australian data centres and NBN POIs


-  Connectivity to **ICON** (Intra-government communications network)


-  **Cloud** connectivity


-  Managed **cross connects**


-  Telstra **Secure Internet** Gateways

-  Links to **121 NBN POI**

-  Access to Telstra **mobile network**

-  Links to **133 data centres** across the globe

-  Links to **400,000 km** of subsea cables

-  **Satellite** ground stations and teleport services



Cloud connectivity

Boost the performance of your critical applications and streamline cloud integration with our state-of-the-art data centres and cloud on-ramp solutions.

Strategically located to reduce latency and enhance connectivity, our data centres support convenient integration with leading hyperscalers. With advanced infrastructure and innovative technologies, we deliver reliable, scalable solutions to meet your business needs while prioritising optimal performance and security.

Leveraging emerging technologies like IoT, 5G, and AI to process data at the edge and help protect your data from multiple types of attacks through security perimeters, our platforms enable integration into your existing infrastructure, allowing you to scale to meet growing demands.

Whether you're uplifting mobile device use at sporting events, offering innovative AI-powered services, or caching and serving dynamic content like video or gaming, our solution is designed to provide the reliability and performance today's users expect.

Talk to us about your requirements and we will work with you to deliver a scalable Data Centre solution.



Ultra-low latency



Secure integration



Cloud orchestration

Big data. Small footprint.

House your data where it creates a smaller carbon footprint through our award-winning, efficient energy optimisation and mature emissions reduction program.

At Telstra InfraCo we embed sustainability into our practices. Our Energy Reduction Program won industry-leading energy efficiency awards, including CommsDay Best Sustainability Initiative award in 2024.

Our data centres are designed with a targeted Power Usage Effectiveness (PUE) of 1.35, and we are targeting a 70% reduction in absolute scope 1 and 2 emissions, and a 50% reduction in absolute scope 3 emissions by 2030, compared to our FY 2019 baseline.

We recycle our network waste, and we decommission and responsibly dispose of outdated equipment, or recycle materials from our sites, minimising environmental impact while maintaining the security needed.



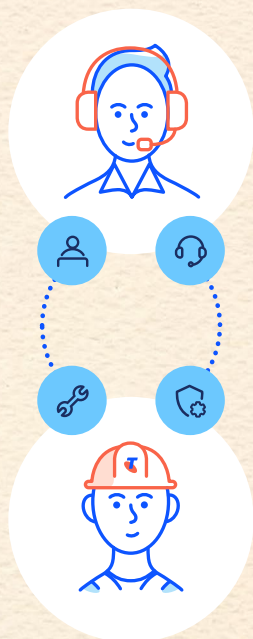
Targeting

70%

absolute scope 1 & 2 emissions reduction by 2030



Remote Hands. **Real Solutions.**



Trusted IT infrastructure support - an extra pair of skilled hands when you need them the most.

The smart way to keep your services and configurations at peak.

In today's IT skills shortage, our Remote Hands service provides the best of both worlds - expertise and convenience, so your operations can run smoothly without the need for onsite staff¹. From routine maintenance to emergency troubleshooting, our qualified technicians are ready to provide support, giving you peace of mind and the freedom to prioritise your core business.

Our certified engineers and highly qualified technicians specialise in data centre management and maintenance, and are continually upskilled in emerging tools and technologies, minimising the risk of configuration errors and operational downtime.

We offer 24/7 support with rapid response and proactive service available onsite upon request when needed. Leveraging our deep experience in data centre technologies and connectivity solutions, we configure networks quickly and accurately, accelerating time to resolution for you. We're here to help you, so your data centre issues are attended to promptly and efficiently, and you avoid the hassle of coordinating multiple site visits.

We offer a flexible suite of high-calibre services from routine maintenance to rack management, environmental monitoring, and emergency troubleshooting, enabling you to plug skills gaps with IT resources or opt for comprehensive support services.

How we can support



Logistics management

- Unpack/uncrate deliveries
- Deliver received goods to rack/cage/storage location²
- Report on full equipment inventory upon receipt
- Inspection and condition report on receipt



General rack assistance

- Removal of rubbish from storage/loading area²
- Install additional blanking panels or airflow baffles



Technical assistance

- Visual verification for specific or general concerns
- Standard power rail readings
- Detailed power rail readings including environment– (temperature, etc., in racks)
- Full equipment audit in rack
- Hard and soft power reset
- Minor guided remote configuration assistance



Extra support function

- Troubleshooting technical support
- Meeting room support
- Service assurance - end-to-end service management for smooth operations
- Escort guests, customers, staff, or contractors to your allocated racks/data centre space
- End-to-end cabling management and support
- Troubleshoot physical cabling issues
- Supply spare parts and general materials



Equipment assistance

- Custom installations of hardware
- Relocation, removal, swapping, labelling of equipment within rack/space
- Full equipment audit in rack
- Remove or insert media, Dual in-line Memory Module (DIMMs), and interface cards
- Supply IEC (International Electrotechnical Commission) standard power lead and AUS 3-pin adaptor on-demand



Note:

¹Remote Hands, ancillary services, and 24/7 technical support are available and may incur additional charges.

²Deliveries to storage location/rack/cage are subject to OH&S restrictions on size and weight. For larger deliveries, our team has access to forklifts to safely handle items within stipulated limits.

Our Australian Data Centres



Sydney

St Leonards

15 minutes from the CBD

Position your business at the heart of global commerce with our purpose-built data centre, providing a range of deployment options, efficient power use, and environmentally friendly rack cooling with ready-to-serve connectivity into thousands of commercial premises.



Melbourne

Clayton

30 minutes from the CBD

Choose this Tier III designed facility conveniently located near Melbourne's thriving business centre to deliver delivering high-performance services to your users. Located away from other data centre hubs, Clayton provides ease of access, large facility, site diversity and redundancy to enhance your business resilience.



Canberra

Deakin

15 minutes from the airport and minutes from Parliament House and Federal Govt offices

House your operations at the epicentre of Australia's Government agencies. Strategically located close to the heart of Canberra, With connectivity into government networks such as Intra-government Communications Network ICON, Deakin is the perfect choice for Government and Defence authorities, as well as businesses that serve them, who want to securely place approved customer equipment in our state-of-the-art racks for optimal performance and sovereign, high-level PSPF Zone 2 - Zone 4 security requirements. Zoning requirements are available upon request.

Data Centre specifications

Details	St Leonards	Clayton	Deakin
Location	Sydney North	Melbourne South-East	Canberra
Target power capacity	20 MW (10 MW + 10 MW dual feeds)	20 MW (10 MW+10 MW dual feeds)	4.5 MW
DC floor space	5,669 m ²	6,208 m ²	800 m ²
Rack capacity	2,092	1,959	348
Target PUE	1.35	1.35	1.35
Data halls (With crash carts available)	6	8	3
Meet Me rooms	3	3	2

Site amenities

Onsite parking

Undercover loading dock

Guest Wi-Fi

Online self-service booking portal

Leisure area quiet room

Bookable office space

Bookable meeting rooms

Waste disposal & e-waste management

Crash carts

Spare parts supply

Staging room

24/7 site access

Remote Hands services¹

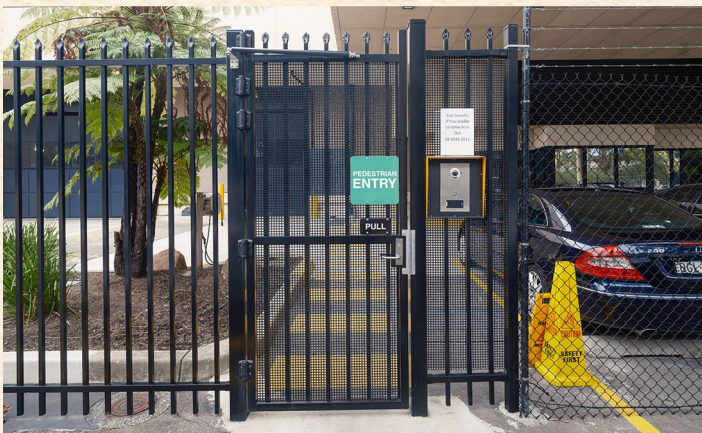
Kitchen (snacks & refreshments at select locations)

Secure cages (on order)

Storage shelves (on order)













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Details	St Leonards	Clayton	Deakin
<p> Cooling</p> <ul style="list-style-type: none"> • Cold aisle containment with hot return space • Secure CRAH unit corridor with dual supply to every unit • N+1 CRAH units per data hall • Dual primary supply pipe work for redundancy • N+1 redundancy on cooling systems • Liquid Direct-to-Chip – required for GPU and AI 	✓	✓	✓
<p> Power</p> <ul style="list-style-type: none"> • Ultra-high power capacity at our main sites • 2N UPS configuration at maximum load • Min 72 hours of onsite fuel • Individual rack power monitoring • High-density racks • Power Usage Effectiveness (PUE) monitoring target at 1.35 • Liquid Immersion capable • Concurrent availability • Tier III design 	✓	✓	✓
<p> Security</p> <ul style="list-style-type: none"> • Customised rack caging on-order • Individual credential checks prior to authorisation and entry • 24/7 onsite security operations • Secure boundary fence (motion sensors at select sites) • Extensive coverage motion-sensitive CCTV cameras • Remote monitoring and control of rack access • Secure foyers with mantraps • Security standards and certifications 	✓	✓	✓



Details	St Leonards	Clayton	Deakin
<p> Fire</p> <ul style="list-style-type: none"> • VESDA fire protection • Smoke detection • Leak detection systems • Pre-action fire suppression 	✓	✓	✓
<p> Facility amenities</p> <ul style="list-style-type: none"> • Break-Fix raise requests and resolution • Secure storage cages • Crash carts available on-request • Car parking facility • Amenities like kitchen, coffee, and refreshments • Staging room • Lifts for heavy-lifting capacity • Customisable rack solutions • Guest Wi-Fi Access • Meeting rooms with AV and private office spaces • Spare parts supply 	✓	✓	✓



Details	St Leonards	Clayton	Deakin
 Certifications/Accreditations			
<ul style="list-style-type: none"> ASIO security levels and PSPF compliance Defence Industry Security Programme (DISP) compliance ISO Standards 27001, 14001, 9001, 45001 SOC 2, PCI DSS certified ASHRAE standards compliance TIA-942 compliance 			
Loading dock			
 <ul style="list-style-type: none"> Secure, undercover loading dock Support for large scale delivery of IT equipment² Ramp and secure commercial lifts to transport heavy loads of equipment and racks² Lit-up and clear aisles from delivery to data hall for rapid installation and activation 			
Front-of-house and facility management			
 <ul style="list-style-type: none"> 24/7 onsite personnel Access support - escorted access, guided tours, and carparking facility Remote Hands services for remote and scheduled support¹ Delivery management² - Receipt, logistics, and detailed audit reporting of materials Sustainable solutions - Waste processing and e-waste services Rapid technical support, with targeted SLAs Infrastructure maintenance - Heating, Ventilation, and Air Conditioning, Electrical engineers, incident reporting, and equipment care Rack management - Cabling, patching, installation, and tidying assistance Environment monitoring - remote rack, power, and climate tracking On-request resource booking for facility access, meeting rooms, and tours Facility cleanliness - white space cleaning services Meeting room support - booking assistance and onsite coordination Helpdesk for service management support 			

Note:

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²Deliveries to storage location/rack/cage are subject to OH&S restrictions on size and weight. For larger deliveries, our team has access to forklifts to safely handle items within stipulated limits.

Details	St Leonards	Clayton	Deakin
 Carrier and vendor neutral <ul style="list-style-type: none"> Multiple street fibre connection pits and diverse Interconnect rooms Open access for all fibre operators, Carriers, ISPs, MSPs 	✓	✓	✓
 Interconnectivity solutions <ul style="list-style-type: none"> Meet Me room for interconnectivity to carriers Geographic diversity with three diverse paths Connectivity access to one of the largest Australian owned network services Predefined dark fibre routes connect multiple data centres and NBN POI Connectivity to ICON (Intra-government communications network) for eligible organisations Cloud integration Australian owned sovereign network supporting edge compute Global data centre footprint Connectivity to our Fixed Network sites and ability to build new Satellite Ground Stations and Teleport services 	✓	✓	✓
 Sustainability <ul style="list-style-type: none"> By 2030, we target a reduction in absolute emissions by at least 70% (scope 1 & 2), and 50% (scope 3). Target set against a 2019 financial year baseline Our Energy Reduction Program won industry-leading recognitions, including the 2024 CommsDay Best Sustainability Initiative award 	✓	✓	✓





Data Centre Colocation

Book a site tour today

Come and experience first-hand the state-of-the art technologies that are available to you.

Connect with your Telstra Account Manager or send us an online enquiry [here](#).

 Web: <https://infraco.telstra.com.au/solutions/data-centre-colocation>