M3 MELBOURNE DATA CENTRE

M3 Melbourne

Melbourne's critical technology hub for digital business

Welcome to M3 Melbourne – NEXTDC's new technology infrastructure hub in West Footscray, 10km west of Melbourne's CBD. With over 41,000m² of space, M3 is your gateway to digital acceleration, catering to enterprise and Government organisations alike. Targeting 150MW of critical digital infrastructure with industry-leading energy efficiency credentials, M3 Melbourne ensures your organisation has the quality transformation platform required for present and future growth.

This is a critical new location for Australia's foremost cloud-connected data centre platform. Complemented by ultra-low-latency interconnection with public and private clouds and an array of specialised ICT services, M3 guarantees exceptional and flexible power, connectivity and rack-space solutions.

NEXTDC's interconnection services enable redundancy, disaster recovery and hybrid IT solutions including self-provisioned NaaS, managed and dark fibre services connecting all your data, clouds, teams and locations. M3 Melbourne provides multiple, secure, 100% geo-diverse interconnections with clouds, networks, data centres and platforms, ensuring unparalleled resilience and adaptability.

This makes it the ideal foundation for constructing high-performance Hybrid IT architecture supporting your unique infrastructure challenges and requirements.

NEXTDC

NEXTDC's commitment to resilience, security, and operational excellence is backed by our 100% uptime guarantee, while our dedication to energy efficiency and sustainable practices ensures operational and environmental benefits.

M3 Melbourne isn't just a data centre – it's a technology hub offering strategic partnering opportunities across the NEXTDC ecosystem to better manage resilience, data compliance, security, and interconnectivity risks inherent in today's digital landscape.

INTERCONNECT YOUR HYBRID DIGITAL ARCHITECTURE AND ACHIEVE THE FASTEST MOST DIRECT ACCESS TO CLOUDS FROM DAY ONE

M3 Melbourne

FEATURES

10km west of
Melbourne CBD

100% fault tolerance
Uptime Tier IV
constructed facility

Targeting NABERS 5-Star
energy efficiency

Uptime Tier IV
Gold operations

100% carbon
neutral options

Self-service and
infrastructure
management

SPECIFICATIONS

Target IT capacity
150MW

Technical space
41,000 sqm

Target PUE
~1.15[1]/1.29[2]

Direct cloud access
Instant access to leading
public cloud platforms

Data halls
41

Racks
23,000

Interconnect rooms
4

1. Value refers to best instantaneous power
   consumption ratio within a calendar year,
   dependent on load and optimal environmental
   conditions.
2. Value relates to total energy consumption
   ratio during a full calendar year, dependent
   on load.

Give your business a 100% uptime advantage

In the digital landscape, where micro-seconds can define advantage and success, your brand's integrity, customer service and critical digital systems must remain always-on. At NEXTDC, we understand the perpetual demands of contemporary businesses – the urgency of immediate responsiveness, the consistent availability of services your teams and customers expect and deserve.

Our commitment to supporting customers' digital acceleration is underscored by building Australia's only network of UI Tier IV data centres where enterprise and Government organisations sleep soundly in the knowledge their critical infrastructure is operates with complete fault tolerance. In a landscape where 99% uptime falls short, we proudly stand alone as the sole data centre services provider, independently verified and certified, offering a 100% uptime guarantee.

Embedding yourself within NEXTDC's ecosystem enables ultra-low latency interconnection for Hybridised, multi-cloud digital architecture that it as the heart of realising productivity, sustainability, risk management, growth and innovation outcomes.

Premium digital infrastructure that is resilient, energy-efficient, secure and scalable allows for you to stay focused on what is most important. It takes all the risk and capital expense out of evolving compliance, security, real estate and agility challenges.

NEXTDC

As artificial intelligence (AI) reshapes industries, we're at the forefront of delivering the infrastructure platforms that will underpin its adoption and value realisation. M3 is built with AI and cloud in mind with high density computing supported by complex, cutting edge power delivery and energy efficient cooling. Our infrastructure is tailor-made to support the most demanding AI workloads, laying the groundwork for a future of unprecedented intelligence and insight.

In the world of data centres, where the norm is often 'currently maintainable,' we rise above and beyond. In contrast to the standard, our architecture safeguards your enterprise with uncompromising fault-tolerant infrastructure. This assurance translates to uninterrupted operations, even in the face of unforeseen equipment failures or extreme weather events.

Accelerate your digital transformation with NEXTDC. Step into a realm where downtime is an artifact of the past, and the assurance of 100% uptime is your launch-pad for growth and innovation. Partner with us to achieve flexibility in preparation for whatever comes next by building your transformation agenda on scalable, sustainable, secure and resilient critical digital infrastructure.

**We value what you value!
We go the extra mile to
ensure your business is
protected with completely
fault tolerant infrastructure.**

NEXTDC

The leading Australian owned and run provider of highly resilient disaster recovery solutions.

We work with you to design and implement best fit solutions that will support your business long into the future.

M1 15MW

826 Lorimer St
Port Melbourne
VIC 3207

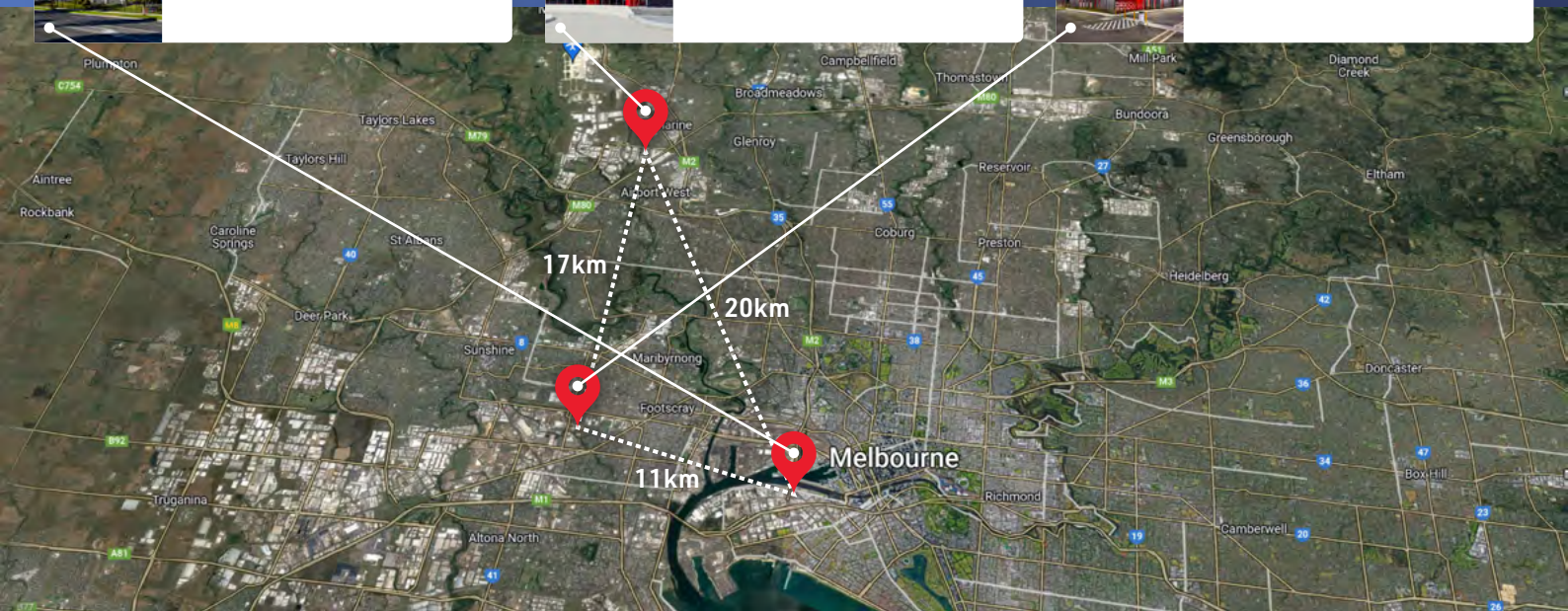**M2** 60MW

75 Sharps Road
Tullamarine
VIC 3043

M3 150MW

25 Indwe Street
West Footscray
VIC 3012

17km

20km

11km

PROXIMITY AND PERFORMANCE

NEXTDC's metropolitan data Centre network offers superior interconnection when it comes to bridging the distance and latency between your primary and DR sites, enabling you to failover in as little as a nanosecond.

GEO-REDUNDANCY

Run active\active sites across our national infrastructure platform. NEXTDC enable the seamless failover of workloads and locations with highly secure, interconnection solutions.

AVAILABILITY

Back your Disaster Recovery strategy with the highest levels of system availability and reliability and NEXTDC's industry leading 100% uptime guarantee.

COOLING

- Hot aisle containment, ceiling plenum hot return space
- Stulz fan walls with indirect and direct economy cycle free cooling. Magnetic bearing high efficiency chillers
- N+1 independent cooling systems, providing high levels of reliability and industry leading PUE target of 1.29 (yearly average target) and capable winter a PUE target of 1.15 dependent on client supply air temperature setpoints.
- 24 hours of water stored on-site (minimum)

ELECTRICAL

- Redundant 2.7MW Piller UPS supported by MTU (Rolls Royce) engines, supporting the entire site load
- 24hours of fuel stored on-site (minimum)
- 100% UPS backup of entire site including mechanical infrastructure for continuous cooling
- Up to 30Kw per air-cooled rack

FIRE

- Wagner Multipoint Aspirated Smoke Detection
- Inert gas fire suppression with low pressure release, onsite supply primary and reserve

SECURITY

- ASIO Physical security ZONE 3 compliant
- Designed and built to meet minimum requirements for a Protective Security Policy Framework (PSPF)
- Physical security concept provides the necessary measures to DETER-DETECT-DELAY-RESPOND to any security event at any of the zones
- Ballistic rated Security Office
- 24/7 onsite elite security operations
- Extensive coverage by motion sensitive, high definition CCTV cameras
- Two factor Biometric fingerprint security for data centre access
- Individual credential checks prior to authorisation
- Anti-cloning access card encryption
- Secure lifts between floors
- Intruder-resistant glass, steel mesh and solid concrete walls
- Secure, undercover loading dock for deliveries
- Remote monitoring and rack access control via ONEDC®
- Monitoring of news and weather for external security risks

LOADING DOCK

- Secure, undercover loading dock facilities
- Support for large scale delivery of IT equipment
- Unpacking space, with trash removal
- Staging rooms, pre-test before move to data hall
- Customer storage facilities available purpose-built paths from delivery to data hall for rapid install and activation

FRONT OF HOUSE

- Support for escorted access and tours
- Assistance with car parking and meeting rooms
- Small package receipt and dispatch
- 24/7 365 support on-site (if required)

CUSTOMER SERVICES

- Bookable meeting rooms and AV equipment
- Dedicated office space for long-term private use
- Chill-out and break-out suites equipped with kitchen facilities, coffee and refreshments, TV, lounge, massage chairs and Foxtel
- Equipment staging room
- 2 x 4 tonne lifts
- Customer car parking
- Spare parts vending machine
- Crash carts
- Guest Wi-Fi

CARRIER AND VENDOR NEUTRAL

- Multiple street fibre connection pits and dual diverse Interconnect rooms
- Open access for all fibre operators, Carriers, ISPs, MSPs

INTERCONNECTIVITY SOLUTIONS

- Gateway to NEXTDC's entire national ecosystem of public and private cloud, ISP and MSP providers
- Data Centre Interconnect between M2 and M1 (1Gb/10Gb Fibre Pair)
- Scalable on-demand connections
- High performance, secure connections
- Dedicated, low latency point-to-point Cross Connects

NEXTDC partner with you to help you secure and interconnect your critical IT infrastructure and networks. Our premium digital infrastructure platform enables you to grow and scale without limitations, reach new customers and strengthen business resilience.

To find out how NEXTDC can help you enhance the reliability and efficiency of your digital infrastructure so you can focus on driving growth, capitalise on new opportunities, and create value for your customers, contact us on 13 NEXT or visit www.nextdc.com/contact

NEXT D C   where the cloud lives™   13 NEXT   sales@nextdc.com   **www.nextdc.com**