Truganina, Australia

MELBOURNE CAMPUS

Scalability in One of Australia's Most Competitive Hyperscaler Markets

CAPACITY
72MW

CAMPUS SIZE
3.6HECTARES

STACK
INFRASTRUCTURE

STACK INFRASTRUCTURE

Scale for the Future in Melbourne's High Growth Hyperscale Corridor

Forecast to become Australia's fastest-growing city with a population of 5.9 million expected by 2030, Melbourne is becoming a Tier 1 data center market for hyperscalers and large enterprises needing power, reliability, and scalability – fast.

This 72MW campus comprises two purpose-built 36MW data centers, MEL01 and MEL02, in the high growth hyperscale corridor of Truganina in Melbourne's western suburbs. Situated on 3.6 hectares of land, the campus offers 38,000 sq.m. of technical area and 4,888 sq.m. of additional office and storage space. The site hosts a dedicated onsite 66kV/11kV utility substation with total capacity of 135MW. As a carrier neutral campus, our Melbourne sites offer expansion at scale with immediate proximity to various major dark fiber carriers for strong connectivity.

MEL01, the 36MW North building, features nine data halls across three floors with rapid deployment flexibility to suit specific customer technical, operational, and density requirements. MEL02, the three-level, air-cooled South building, delivers 36MW of critical capacity across 12 data halls and an onsite substation with diverse feeders for robust power.
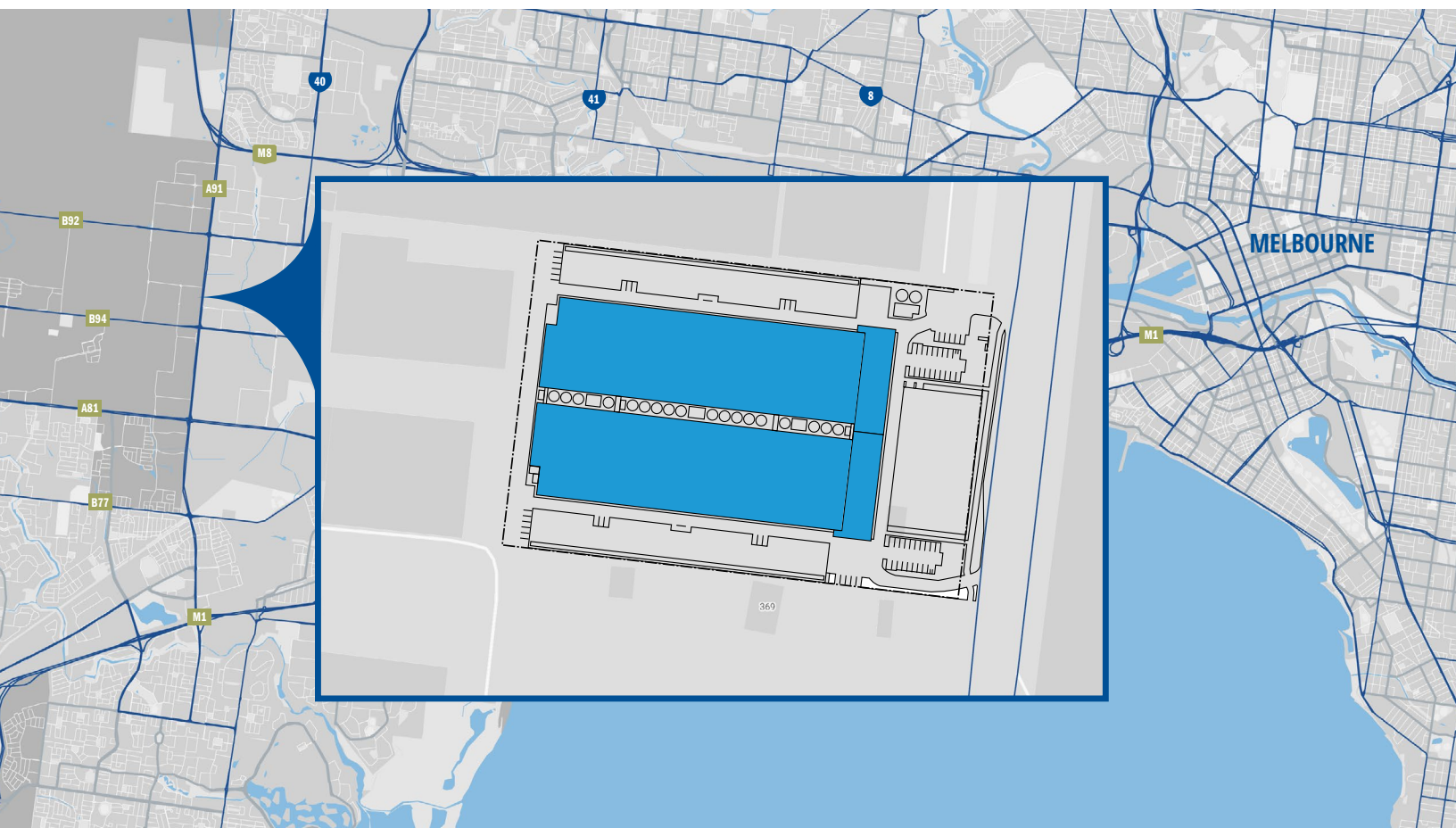
Central Location: Reach businesses and innovators across Asia Pacific from Australia's second most populated city, quickly on the rise to become the nation's largest and fastest-growing city.

Substantial Scalability: Scale for the future and the ever-increasing demand for more data processing and storage with access to 72MW of critical capacity.

Flexible Options: Choose from READYSTACK capacity for immediate availability, POWERSTACK shell deployments for optimal control, and HYPERSTACK build-to-suit for ultimate flexibility.

Comprehensive Connectivity: Capitalize on immediate proximity to major long haul fiber carriers and high-capacity dark fiber for low-latency connectivity.

Future-Proof Design: Implement higher rack density and floor loading specifications with our scalable design, reflecting the evolving requirements in Australia and the APAC region more broadly.

STACK
INFRASTRUCTURE

Grow fast – your way – in this high-demand location.

OPTIONS AVAILABLE

HYPER STACK
BUILD-TO-SUIT

Built to scale.
Our HYPERSTACK build-to-suit option gives you total flexibility and control. Choose our purpose-built Basis of Design as a starting point, or work with the STACK team to develop a customized solution for your company to grow as fast as you need.

POWER STACK
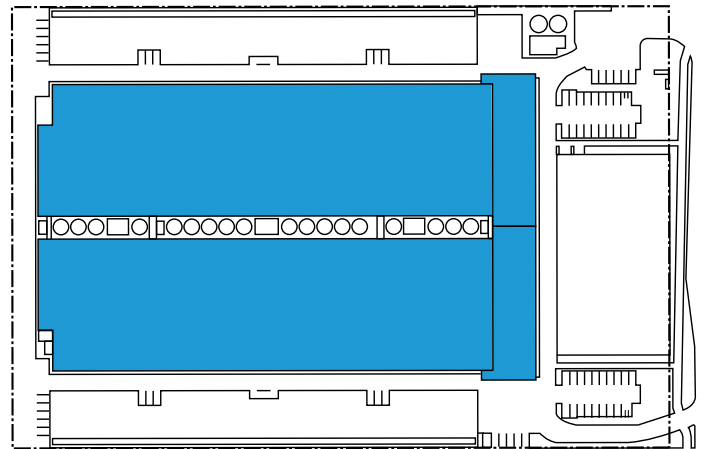POWERED SHELL

A flexible foundation.
POWERSTACK powered shell solutions are customizable base buildings designed for rapid deployments of right-sized capacity on demand. They're fiber-provisioned, fit-out ready, and available fast.

READY STACK
COMMISSIONED CAPACITY

Plug in and go.
When you need capacity even faster, you need READYSTACK. These rack-ready data halls are purpose built for your immediate needs with pre-installed racks, connectivity and power. You bring the equipment. We've got everything else.

CAPACITY

Campus Size
- 3.6 hectares (8.9 acres)

Total Capacity
- 72MW Total Campus Capacity 2 x 36 MW buildings

Deployments
- POWERSTACK™: Immediately available shell capacity
- READYSTACK™: RackReady® data halls
- HYPERSTACK™: Build-to-suit

POWER & RELIABILITY

Powercor
- 66kV/11kV utility onsite substation with diverse feeders

Electrical Redundancy (Generators / UPS)
- N+1 Block Redundant

Fuel Storage
- 48 hours of operation

PDU
- Client-dedicated PDU distribution

BMS Controls
- Client access to BMS portal

CONNECTIVITY

Diversity
- 2 Meet-Me-Rooms with diverse fiber entrances

Carrier Availability
- Carrier neutral
- Immediate proximity to major dark fiber carriers: Telstra, Optus, TPG,
  Fibrepath, Fibreconx, NBN, Vocus, AAPT

COOLING & EFFICIENCY

Cooling
- N+2 air-cooled chillers

Floor Loading
- 20kN/m2 in data halls and access route floors

Annualized PUE target 1.30

SAFETY & SECURITY

Security
- 24 x 7 on-site security personnel
- Dual-factor biometric access
- CCTV coverage with 93-day retention
- Secure vehicle gates with badge access
- Perimeter fencing
- Tenant specific security
- Separate Yellow and Red Zone access elevators
- High Security SCEC security zones including perimeter fencing
- Type 1A alarm system

Fire Protection
- Dual smoke detection including VESDA/HSSD
- Double Interlocked Preaction Suppression System
- Located in an area of minimal flood hazard

CERTIFICATIONS SUPPORTED

- ISO Compliance
- ISO 9001
- ISO 14001
- ISO 27001
- ISO 45001
- PCI/DSS - Financial
- SSAE SOC 2 Type I and II
- SCEC SPSF Zone 4 or higher
- Federal Government Strategic Hosting Provider (DTA)
- DISP Certified - Defence Industry Security Program

AMENITIES

Work Space
- Conference and break rooms
- Complimentary WiFi
- Shared and dedicated office space

Storage
- Shared and private storage/staging

Client Conveniences
- Access to rail
- Showers
- Bicycle storage
- Vehicle Parking
- Multi-bay secure loading docks
- 20 foot container capabilities
- 5 ton and 1.6 ton elevators
- Restaurants and shops nearby

STACK provides digital infrastructure to scale the world's most innovative companies. With a client-first approach, STACK delivers a comprehensive suite of campus, build-to-suit, colocation, and powered shell solutions in the Americas, EMEA and APAC regions. With robust existing and flexible expansion capacity in the leading availability zones, STACK offers the scale and geographic reach that rapidly growing hyperscale and enterprise companies need. The world runs on data. And data runs on STACK.