



Mission Critical

Data Centres



About Stantec

With every community, we
redefine what’s possible

Stantec is a global leader in sustainable engineering and environmental consulting. The diverse perspectives of our partners and interested parties drive us to think beyond what’s previously been done on critical issues like climate change, digital transformation, and future-proofing our cities and infrastructure.

We are designers, engineers, scientists, project managers, and strategic advisors. We innovate at the intersection of community, creativity, and client relationships to advance communities everywhere, so that together we can redefine what’s possible.

International Consulting Firm of the Year

NCE Awards 2024

31,000

Employees globally

3,100+

Employees in Australia
and New Zealand

#27

Top 100 Graduate Employers

Prosple Australia 2025

Most sustainable

Ranked most sustainable
corporation among
industry peers

2024 Corporate Knights Global 100



Why Stantec

Experts in data centre delivery & design

In a market that’s constantly evolving, you can’t afford to stand still for long. Policies change, markets adapt, technology moves on, and new pressures emerge in data centre delivery and design.

Data centres and other mission critical facilities need to be designed to face today’s challenges and prepare for tomorrow’s possibilities.

The complexity of mission critical facilities demands attention to detail and big picture understanding. All building systems need to work together to ensure reliability, performance, and security.

We offer a team of professionals with the analytical, technical, and consultative skills to develop specialised solutions.

Market focus:

- Hyperscale data centres
- Multi-tenant data centres
- Enterprise data centres
- Edge data centres
- Operations and control centres
- High performance compute

Experience in:

- Consulting & planning
- Design & engineering
- Peer Review
- Tier gap analysis
- Construction support, monitoring & management
- Testing & commissioning
- Operational & Maintenance support
- Sustainability & innovation

IT Megawatts Delivered

Australia: 830MW
Australia Master Planning: 2GW
Stantec Globally: 7+GW
Australia Commissioning: 350MW

Our Mission Critical Staff

- 65+ data centre specialists
- 35+ commissioning specialists

End-to-end:

Full-service offering

We are designing leading class solutions including liquid cooling DC projects. Then commissioning these critical facilities.



End-to-end service

We work with clients and partners end-to-end to deliver data centres that are ready for today's challenges and tomorrow's possibilities.



Due diligence

- Feasibility study
- Site selection
- Power availability
- Data connection availability
- Water connection availability
- Ground conditions
- Planning constraints
- Ecology & Biodiversity
- Transportation

Masterplanning

- Access and parking
- Acoustics
- Air quality receptors
- Contamination and poor ground conditions
- Mechanical, electrical & hydraulics
- Transportation
- Ecology & Biodiversity
- On-site power generation

Planning

- Renewable energy integration
- Fire safety and evacuation
- Acoustics
- Utility connections
- Transportation
- Environmental Impact Assessment
- Geotechnical
- Air quality
- Ecology & Biodiversity
- Sustainability/Energy statement

Design

- BIM management
- Design management
- Efficient structures and foundations
- Sustainable drainage and connections
- Mechanical engineering
- Electrical engineering
- Hydraulics
- Fire protection and fire safety engineering
- CFD modelling
- Acoustics
- Sustainability
- Peer reviews
- Technical advisory roles

Construction, Commissioning & Operation

- Site monitoring services
- Technical submittal reviews
- Testing and commissioning
- Critical facilities audit
- Tier gap analysis
- Energy efficiency assessment and optimisation strategies

Meeting your needs

- **Virtual Delivery and Collaboration:** Our global offices work closely together with joint project ownership; a unified approach ensures consistent results across regions.
- **Tools and Knowledge:** Shared repositories to capture and distribute tools, knowledge and expertise, fostering innovation and excellence.
- **Strong Engagement:** Responsiveness and proactive communication enables strong relationships within teams and with clients.



420+

Data Centre professionals
worldwide

Global business

Data Centre professionals
worldwide sharing
knowledge daily

Strong National Presence

National team of over
360 Buildings business
line people



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