A different kind of data centre for Maddington

Project update

September 2026

CDC is an Australian company that has built and operated data centres across Australia and New Zealand for over 19 years. We are building a new data centre in the industrial area off Bickley Road in Maddington.

A data centre is a building that houses powerful computers called servers. These servers store, process and manage the digital information behind everyday services, including online banking, shopping, government services and emergency systems.

The need for digital services is growing around the world. The data centre in Maddington will help meet this need and give Australians more options for their data to be stored and managed locally.

CDC is currently constructing the first of four planned buildings at the Maddington campus. We have nearly finished the outside of the building and are starting to fit out the interior and landscape the site. Later this year, we will begin testing the building and its systems. We expect the first stage of the data centre to begin operating in early 2027.

CDC's data centre in Maddington is supporting hundreds of local jobs during construction and will provide further job opportunities once the data centre starts operating.

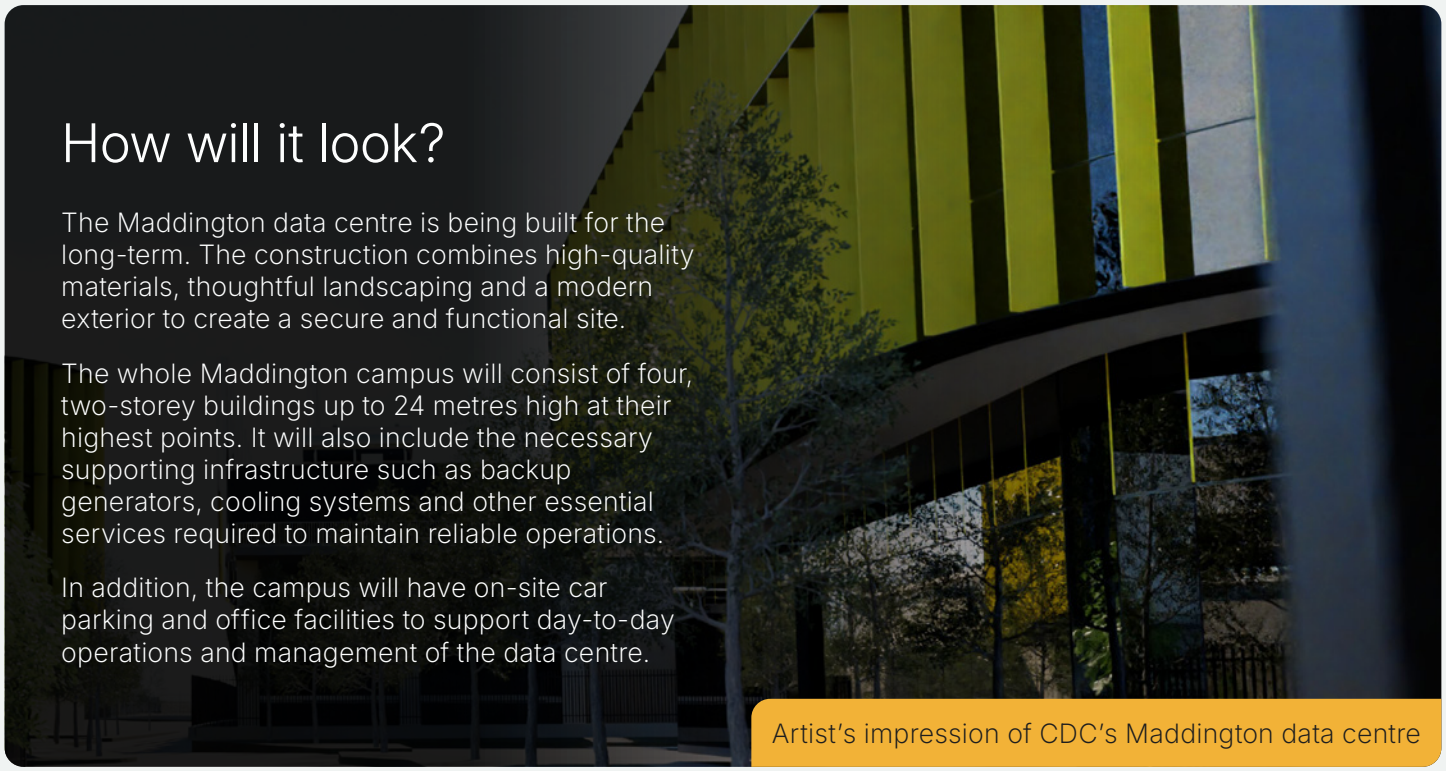
We look forward to working with the community and hearing from local residents as the project progresses through its next stages.

How will it look?

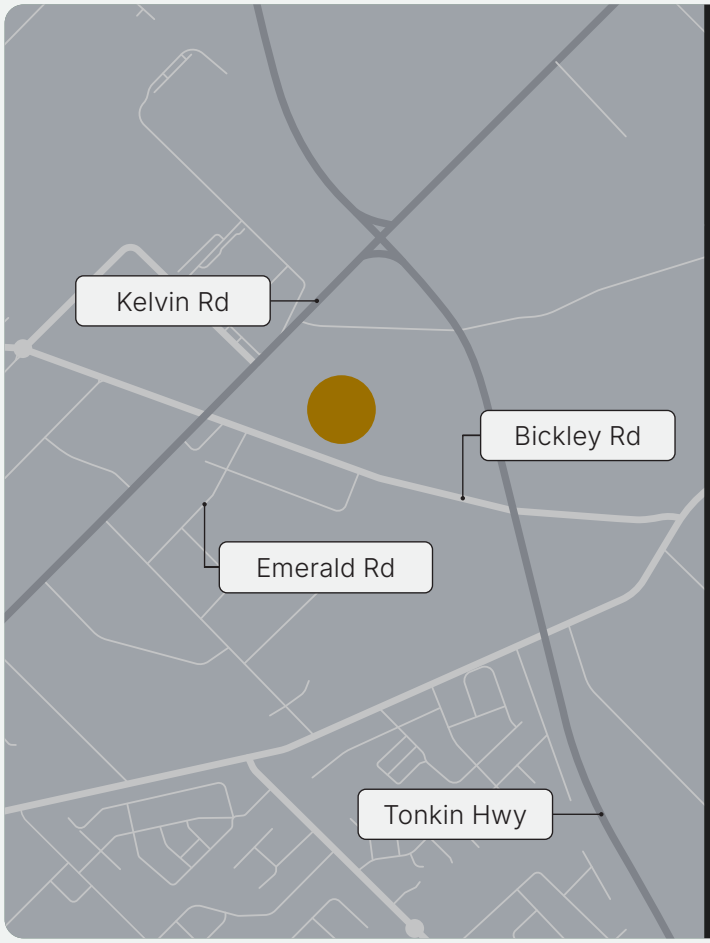
The Maddington data centre is being built for the long-term. The construction combines high-quality materials, thoughtful landscaping and a modern exterior to create a secure and functional site.

The whole Maddington campus will consist of four, two-storey buildings up to 24 metres high at their highest points. It will also include the necessary supporting infrastructure such as backup generators, cooling systems and other essential services required to maintain reliable operations.

In addition, the campus will have on-site car parking and office facilities to support day-to-day operations and management of the data centre.



Artist's impression of CDC's Maddington data centre



Why Maddington?

There are several practical elements to consider when looking for a suitable location for a data centre. Data centres need access to a reliable source of electricity and telecommunications networks, as well as skilled workers to support their construction and operations.

We chose the site off Bickley Road because it is already in an industrial area and has access to everything needed to build and operate a data centre. Building in an industrial area helps reduce impacts on nearby communities and makes efficient use of existing services and transport connections.

When will the data centre operate?

The digital information and systems stored in a data centre keep national essential services running. The servers themselves operate 24 hours a day, 7 days per week. But most of the activity in the Maddington data centre will happen during business hours and only essential staff will work onsite overnight.

Most vehicle movements will take place during daytime hours, and we will manage and limit after-hours access to essential maintenance or emergency activities. The 24/7 operating model is consistent with the role of the Maddington industrial precinct and the important role data centres play in supporting digital services.

How will noise from the data centre be managed?

We understand that noise is an important consideration for the local community and have made it a key focus throughout the design process to date. We use smart acoustic design to reduce potential impacts and we carefully planned the Maddington site layout to place noisy equipment away from residential areas.

For the nearby residential area of Orange Grove, we expect noise from the data centre to be similar to normal neighbourhood noise. We will monitor noise levels regularly to make sure they stay within approved limits and that the facility continues to operate responsibly in the community.

Partnering with the local community

We believe in being open, transparent and connected with the communities where we operate. We will listen to local feedback, share updates on progress and work in collaboration with the Maddington community as the project develops.

CDC has a history of supporting local initiatives and community groups and we work with local organisations that make a meaningful difference. We recently partnered with Mission Australia in Maddington to provide emergency relief for those experiencing homelessness. We look forward to working with the Maddington community to identify future opportunities that support local priorities.

What construction works are upcoming?

CDC will continue construction work at the site over the coming months, as well as along Bickley and Emerald roads.

The main building and cooling infrastructure on the roof are nearly finished, which will mean the tower cranes won't be needed any more. The first crane was recently removed from site, and the second is set to be removed later this month. There will be some temporary traffic changes to support the safe removal of the crane, including the brief closure of Bickley Road.

We recently connected permanent power to the site, and work to connect the sewer will begin soon. These works will take place along parts of Bickley Road and Emerald Road for a period of around seven weeks.

Temporary road closures and detours will be in place during this time. Traffic management crews will help keep traffic moving and minimise disruption for residents, businesses and road users.

Other focus areas for construction during September and October will include roadworks, security fencing and landscaping. As part of this work, we'll plant native quandong trees along Bickley Road to help screen the site and improve the local streetscape.

As work outside finishes, construction will increasingly move indoors. Teams will install specialist equipment, complete the building fit-out and continue testing systems throughout the rest of the year.

Will the data centre use local water and energy?

We are promising a different type of data centre than you might expect. The Maddington facility is designed to use very little water. Some data centres use evaporative cooling systems that release water into the atmosphere as part of the cooling process. Large facilities can lose hundreds of thousands of litres of water each day and must continually replace it.

CDC designed a closed-loop cooling technology that reuses the same water over and over. It is a bit like the water in your car radiator. We fill the system once at the end of the construction stage and then the water recirculates continuously for the life of the data centre. We also install rainwater tanks at our sites to provide water for things that all office buildings need, such as bathrooms, kitchen and landscaping.

The Maddington data centre will use energy responsibly. Our systems will be as energy-efficient as possible and we power the data centre operations with renewable energy.

At CDC, we pay for our own electricity connections and any upgrades that are needed to infrastructure now and in the future. We do not use the local grid that powers homes and businesses. We work closely with network operators to make sure our connections benefit, rather than burden, the communities where we operate.

We recognise that projects of this nature can raise questions within the community. You can find answers to more frequently asked questions at **www.cdc.com/maddington.**

How we build

Water efficient:

Closed-loop cooling technology that doesn't require ongoing water use.

Local jobs and skills:

Hundreds of jobs during construction and ongoing skilled roles once operational.

Quiet by design:

Smart design and acoustic treatments limit noise to be like the normal level of a neighbourhood.

Connected to the community:

We work in partnership with the community and support local initiatives.

Renewable energy:

100% of electricity used in our data centres is matched with renewable energy.

Want to find out more?

Local interest in the project is growing as construction progresses. We encourage you to join us at one of our upcoming community information sessions to find out more about the project.

Our Pop-Up Information Sessions are ideal for anyone who would like an overview of the project while they're out and about.

We have also planned a Drop-In Information Session for people looking for more technical details about the project. Experts will be available to answer questions and discuss specific topics.

We look forward to sharing updates, answering questions and hearing local perspectives as the project progresses.

Drop-in information session:

Thursday, 17 September, 4pm to 7pm

Connect@Kenwick

Viminaria Room, 84 Kenwick Road, Kenwick

Pop-Up Information Session

Saturday, 19 September, 10am to 2pm

Near the food court at Maddington Central

Cnr Burslem Drive & Attfield Street, Maddington

Pop-Up Information Session

Sunday, 20 September, 10am to 2pm

Outside of the IGA at Maddington Village

134 Westfield Street, Maddington

Contact

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