



Barangaroo, Sydney, NSW, Australia

Barangaroo is one of the most significant waterfront transformations currently underway anywhere in the world. It's a once in a lifetime opportunity for the city of Sydney to create a vibrant, world class destination on Sydney Harbour. Podium by Lendlease helped transform a disused container terminal into a place that sets the standard for sustainability, ways of working and life for generations to come.

Barangaroo South is place-making in progress. Over half of the Barangaroo South area will be open public space which surrounds a bustling financial district, with world class office space, premium residential buildings and a lively shopping, dining and entertainment destination.

Barangaroo South will eventually accommodate around 23,000 office workers, 1,600 residents, an international six-star hotel and more than 80 cafes, bars, restaurants and retail outlets.

How people live, work and play has changed significantly over the 10 years that Lendlease has been transforming Barangaroo. Our challenge has been to create a place that meets the needs of the Barangaroo community for generations to come.

A place that sets the standard for new ways of working, for health and wellbeing and sustainability. A place that is connected, adaptable to new technologies and the evolving needs of the Barangaroo community. A place that enables highly customisable experiences for the tens of thousands of people in the precinct every day. A place that's autonomous.

Podium System Integration Services

- Assesses, designs, deploys and manages data networks and plays a major role in creating Barangaroo into a precinct where forward-thinking organisations can adapt to and capitalise on next generation working practices.
- Design and deliver reliable and resilient digital connectivity essential in today's digitally enabled world. Tenants now benefit from reliable network infrastructure, electrical resiliency, wireless capability and connectivity.



Podium Asset Services

The achievement of Barangaroo’s ambitions to be carbon neutral, water positive and to create zero waste emissions is enabled by Podium Asset Services, engaged to design, deliver and now manage Barangaroo’s infrastructure.

- Enabled a carbon neutral, economically viable precinct by delivering a large-scale, centralised utility infrastructure
- Designed plant, services and systems to support thirteen buildings to be housed in one 77,000 sqm basement (almost as large as one of the stand-alone office tower that sits above it). This delivers all Barangaroo Offices, apartments and retailers with power, cooling, recycled water, in addition to heating for One Sydney Harbour.
- Own and operate a district cooling plant that saves about 40 Olympic-sized swimming pools of water every year and provides cost effective and energy efficient air conditioning.
- Provided the precinct with recycled water. The precincts now provides more recycled water than the potable water it consumes. Water used in the precinct is treated and converted into high-quality recycled water which is used for dual reticulation, toilet flushing, irrigation, cold tap washing machines, car washing and process water, enabling Barangaroo to be a water positive.
- Infrastructure at Barangaroo was placed into the basement, rather than the roof where it is typically housed, which allowed the placement of 6,000m² of solar panels, which are owned and operated by Podium Asset Services, providing green energy for the entire precinct.



Benefits Derived

Lendlease CEO, Steve McCann, said that ‘Fundamental to Barangaroo’s success was the creation of the basement, a “secret city”’.



Sustainability

Barangaroo South is the first urban precinct in Australia to be awarded carbon neutral status (December 2019)



Cost efficiencies

Removed duplication, enabled efficiencies and created economies of scale that dramatically lowered cost.



Compact infrastructure

Reduced the amount of land and floor space needed to house the infrastructure, enabling the land to be released towards more public space.



Wired Platinum rating

The four buildings at Lendlease’s Barangaroo South precinct all achieved a Wired Platinum rating, the highest rating possible.