

# LIBRARY AT THE DOCK







# LIBRARY AT THE DOCK

Library at The Dock is Australia's most sustainable community building. Situated on the waterfront of Victoria Harbour in Melbourne's Docklands, the three storey, 21st century library has been delivered through a unique partnership between Lend Lease, the City of Melbourne and Places Victoria.

- As well as a traditional library collection, the library offers an interactive learning environment, an impressive digital collection, multi-purpose community spaces and a performance venue that holds 120 people.
- Library at The Dock is a centre point for the Docklands neighbourhood, providing a place for culture, community interaction and learning.
- Library at The Dock is a 55 metre long building with views of the waterfront and the adjacent 3,500 sqm Buluk Park.

## Key features include:

-  Interactive, high-digital learning environment
-  Quiet study area
-  Reading lounges
-  Community meeting rooms

-  Heritage and art exhibitions
-  Design inspired by the waterfront location
-  Technology hub

## A SUSTAINABLE BUILDING

- Setting new environmental benchmarks, the building is constructed primarily from Cross Laminated Timber (CLT) and recycled hardwood.
- The building includes sustainable features like:
  - passive ventilation
  - full height glazing on the ground level to capture natural light and 360 degree views of the surrounds.
  - Low volatile organic compounds and formaldehyde materials ensure a high quality indoor environment.



Water is collected from the roof and discharged to a 55,000L tank in the nearby Victoria Green park for reuse within the building.



85kw solar panels on the roof will supply approximately 30 per cent of the building's total operational power.



The building has achieved a six-star green star rating under the public buildings rating tool from the Green Building Council of Australia.

## TIMBER: THE OLD AND THE NEW

- The use of CLT for the library's structure significantly reduced the building's carbon footprint. Library at The Dock is Australia's first public building made from CLT.
- Construction right on the waterfront – just eight metres from the edge – was possible because CLT is 30 per cent lighter than traditional structures, significantly reducing the requirement for new substructure. The history of the 75 year old wharf has been preserved and serves as the building's substructure.
- The façade consists of recycled Ironbark and Tallowwood timber which complements the promenade decking. The decking is made from reclaimed timber from the Victoria Harbour south wharf, giving new life to the local area's historical past.

Library at The Dock is made from:

- 1,000 cubic metres of European Spruce CLT
- 55,000 screws
- 110,000 nails
- almost eight tonnes of brackets.

Level three includes:

- An indoor / outdoor wintergarden with artificial turf and operable façade and roof
- 100 year old solid Ironbark timber reclaimed from a demolished bridge in Queensland.

The building's passive design promotes natural ventilation, daylight and fresh indoor air quality, resulting in reduced energy consumption and an improved indoor environment.

The unique contrast of reclaimed old timber with the latest innovation of CLT construction celebrates history while embracing 21st century technology.