

Celebrating maritime activities with new precast structure

Project: St George Sailing Club

Location: Sans Souci, NSW

Master Precaster: Alpha Precast

Engineer: Trevor Valaire

Builder: Join Constructions

Installation: Total Precast

In the New South Wales coastal region of Sans Souci, foundations for a new sailing clubhouse and café have been erected from an environmentally conscious precast concrete solution.

With an expansive floor area and an impressive design by renowned architects Jon Jacka, the new St George Sailing Club is a \$12 million rebuild that is set to invigorate the Sans Souci foreshore. Due for completion in March 2022, the development will include a single storey clubhouse, a jetty and pontoon. As well, the development includes an additional building resembling a row of old boatsheds that will store small craft.

National Precast Master Precaster Alpha Precast was engaged by the project's builder Join Construction to supply an expansive precast concrete pier that will soon be topped by the exciting architectural intervention.

In conjunction with engineer Trevor Valaire, Alpha Precast supplied a precast sea wall, long-span beams and their own innovative precast v-slab flooring system.



The carefully designed precast solution was manufactured offsite in Alpha's Chullora factory before transport and installation at the coastal site over three days.

As the precast concrete elements were manufactured offsite in a factory-controlled environment, Alpha Precast - like all National Precast Master Precasters - was able to ensure a consistently high-quality finish and structural performance throughout all of the project's built elements.

The offsite prefabrication ensured minimal disturbance to the site and a significantly reduced the project's waste management overhead. Furthermore, it allowed construction of the piers to minimise disturbance to the seabed, wildlife and foreshore.

As well as offering quality and construction benefits, precast concrete has delivered a durable solution. An ideal solution for the coastal site due to material's resilience to the elements, the precast resolution also has minimal requirements for ongoing maintenance. Despite the continuous exposure to erosive salt spray, the precast pier has been certified to a minimum 50-year lifespan.

As an industry leading Master Precaster, Alpha Precast has supplied a high calibre and environmentally considerate pier and seawall for the soon to be completed St George Sailing Club.



Image courtesy of Dan Binger

