

Project Case Study

TOTAL
CONSTRUCTION

Concept to Completion

Project

New library and
Gymnasium refurbishment

Location

Melton West, VIC

Client

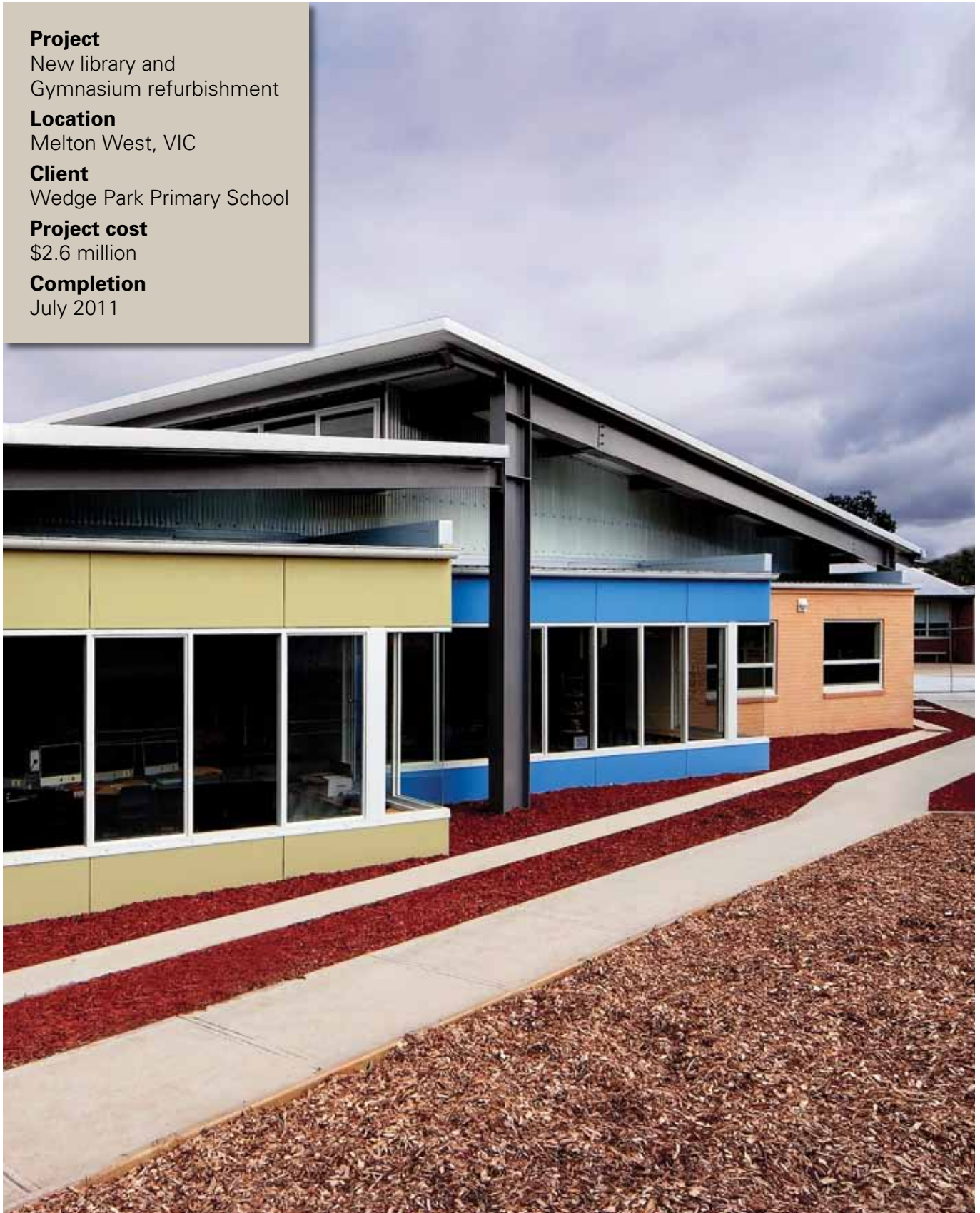
Wedge Park Primary School

Project cost

\$2.6 million

Completion

July 2011



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This project consisted of the construction of a new library building and the refurbishment of the existing gymnasium as an addition to the existing facility. Nearly 700 students will use the library and gymnasium to enhance their skills in academic and physical education.

The existing portable building comprising two classrooms and toilets was relocated to the south eastern aspect of the gymnasium to pave the way for new construction works. The library building comprises a reading and discussion room, canteen, multi-media room, communications hub, office area and resources room.

Change rooms and toilets facilities for the gymnasium have been accommodated for in the new building. A drama stage, store rooms, foyer and PE staff room have been added to the gymnasium during the refurbishment works.

The new construction works involved extensive planning coordination with the school as students and staff would need access across the site. The entire site area was excavated to achieve the required reduced level. The latent soil conditions identified during the foundation construction resulted in 2.9m deep trenches back filled with blinding concrete.

The structure is mainly steel with internal stud walls. The roof has been constructed with Ecotek panels with top and bottom finishes with zincalume and Colorbond 'surfmaster' respectively. Overhead glazed windows and perimeter windows provide natural day light to the library area.

The existing gymnasium received a perforated plasterboard high ceiling with a paint finish. The northern and southern sides of the gymnasium are clad with translucent sheets to provide additional natural lighting to the building. New Taraflex sports flooring has been laid throughout the playing area which boasts volleyball, handball and basketball courts. The gymnasium foyer, toilets and corridors have a vinyl epoxy flooring.

Externally there is soft landscaping with concrete paving throughout except for the southern side of the gymnasium which is mulched between the footpath and the library building.



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