



CASE STUDY

Sacred Heart College

Sacred Heart has transformed two exposed courts into an all-weather campus asset, bringing reliable shade, sport and gathering space to a landlocked school with limited room to grow.



Client	Sacred Heart College
Location	New Town, TAS
Structure	PVC Barrel Vault
Area Covered	Multipurpose Sports
Size	1,300 sqm
Finishes	Coastal Grade Powder Coated Steelwork
Materials	Sky W9400 with H9400 Stripes



Brief

At Sacred Heart College, a 138-year-old school in Tasmania, two outdoor courts played an important role in recess, physical education and after-school sport. Yet on its compact, largely built-up campus, they offered little protection from rain, wind or summer sun. With just one indoor court and no sheltered space large enough to bring the whole school together, poor weather could disrupt programs and require students to travel offsite.

The College set out to create a covered, flexible space for primary and secondary students - one that could also support community sport, assemblies and events. The response had to sit comfortably beside the historic chapel and school hall, while navigating a steeply sloping site of rock and deep fill. Underground rooms and an existing void beneath the courts, tight street access and nearby powerlines added further complexity, requiring careful engineering and coordination throughout construction.



Solution

Greenline worked closely with College leadership, HPE staff and other stakeholders to create a double-court canopy tailored to the school's sporting and gathering needs. Translucent membrane strips draw natural light into the space while providing 99.9% UV protection. End walls and side skirts reduce wind-driven rain, while 200-lux lighting, retractable hoops, PA, power and CCTV support sport, events and assemblies.

The structural response was carefully resolved. A 10-metre cantilevered bay spans the underground rooms, avoiding footings and excavation near the void. Additional roof bracing established a load path from the cantilevered bay to the adjacent column line. Greenline also coordinated a temporary TasNetworks shutdown to install the structure safely beside the high-voltage lines.



WATCH VIDEO



Outcome

Since opening, the covered courts have become a dependable hub for basketball, handball, cricket, pickleball, physical education and everyday play. Students can stay active when rain, wind or strong sun would previously have disrupted programs, while teachers and coaches have more reliable access to court space. Competition-level lighting extends usability on darker days, and retractable hoops clear the floor for assemblies, liturgical events and community activity.

For Sacred Heart, the value is in making a constrained campus work harder. The project converts two weather-dependent courts into a protected, multi-use venue, easing pressure on the school's single indoor court and reducing the need to take students offsite in poor weather. It gives primary and secondary students more equitable access to sport and recreation, while creating a durable, future-ready facility that broadens the College's capacity year-round.



“Our community is saying that they love it. They love the new space. They love what it provides for our students and they love its general aspect in the community.”

ELIZABETH MCDOUGAL
PRINCIPAL, SACRED HEART COLLEGE



Design benefits

- High-translucency roof strips bring natural daylight into the courts while maintaining UV protection.
- End walls and perimeter skirts limit wind-driven rain, improving comfort across the double-courts.
- Cantilevered structural design protects underground rooms and excavation near the existing void.
- Powered retractable hoops and integrated services keep the space flexible for sports and events.



Next steps

Have a project in mind?
[Click here](#) to book an appointment and start a conversation with the Greenline team.