



think outside

 **greenline**

Under the cover

Think outside 4

How we work 6

Turning sketches into shady stretches 8

Education 11

- Five ideas for your outdoor space 12
- Spatial competency 14
- Case studies 16 - 39

Government 41

- Creating communities with light and shade 42
- Case studies 44 - 51

Recreation 53

- Outside together whatever the weather 54
- Five key questions 55
- Case studies 56 - 63

Resources 65

- What structure type is right for you? 66
- Barrel Vault 68
- COLA 69
- Star Structure 70
- Shade Sail 71
- Cantilever 72
- Hip Structure 73
- Sports and surfacing 74
- Surfaces 76
- Sports equipment 77
- Light, heat & power 78
- Seating 79
- Stormwater / drainage 80
- Safety & amenities 81
- Sports equipment and enabling works 82
- Financing / Leasing 84
- Grants 85
- Warranties 86
- Maintenance 87
- Colour 88 - 95

Meet our team 96

Supporting a brighter future 98


Welcome

Welcome to Think Outside. This publication embraces the idea that learning is stimulated by environment. The learning experience is enhanced by moving away from traditional surroundings and into a wider landscape: outside.

As we all know, outside in one sense represents freedom and movement as opposed to the restriction and control that four walls defines.

So, Think Outside provides a reference to highlight the possibilities and the structure that really gives the 'best of both worlds'.

Like all pioneering ideas, this expansion of the learning environment has challenges, and careful thinking is required to ensure an optimal learning experience. Think Outside has captured these thoughts and design considerations to help guide the reader through the process.



A core part of our instinct as humans is to protect our young and nurture our families and communities. Think Outside introduces the canopy as an essential component in the learning environment. This structure provides a barrier to elements that harm or stifle growth, while also forming the home for collaboration and collective activities that build social connection.

While it seems all aspects of our lives have been changed by technology, some core elements of learning don't change. Stimulation of the five senses in the learning environment provides the catalyst for long term retention and what better way is there than to... Think Outside.

Enjoy the journey through this book!

Richard

Think outside

In a forest, the canopy maintains optimum environmental conditions for encouraging new growth. In schools and communities, new growth is also on the agenda. With Greenline canopies, we begin to see the benefits of transforming traditional outdoor spaces and the push to physically step - and think - outside.



How we work

the **greenline** way

Consult > Design > Construct

'The Greenline Way' is our three-stage project delivery process which helps education, government and recreation bodies create outdoor spaces where people can grow and develop. Our approach is seamless and collaborative, from initial consultation through to final delivery, and results in a more accurate translation of your goals, better and more functional design, faster delivery timeframes and a saving of time and money.

Design

Then our DESIGN team create your final structure based on all our consultation with you. Our Design strategy is pretty simple – using our creative ingenuity and world class experience, we translate your ideas and concepts into a visual design for your final approval. In fact, every Greenline project is a custom design, designed with you, for you. We are meticulous, creative and solutions driven.

Consult

The Greenline Way starts with CONSULT, and it's detailed and thorough. Greenline meets with you to work through the factors that are important to you for your project. What do you want? When do you need it? What is your budget? We listen to your ideas and we work together to make them happen.

Visioning and project objectives.

We take all ideas on board.

Stakeholder engagement and site investigation.

We want to maximise the potential of the space, not push our ideas onto it.

Concept exploration and budget development.

A fresh approach to every project.



Construct

The Greenline Way reaches completion with CONSTRUCT. All our consultation and planning with you merges with the expertise of our Operations team. Your site management and successful project completion is guaranteed with the Greenline team. Greenline staff and our trusted construction partners are all united to ensure the safe and efficient installation of your structure.

Design detailing, permits and approvals.

We ensure there are no loose ends - in our drawings, or with government bodies.

Engineering and construction programming.

In house, we thoroughly think through the technical details that make it all work.

Design development and approval.

A customised process with all details documented.

Site establishment and foundations.

Professionally project managed by our in house team with 'self-sufficient' site management.

Fabrication and manufacture.

ISO9001, ISO14001, AS4801 certified.

Construction and handover.

Minimal time on site, less interruption.

The background of the page is a photograph of a park. On the right side, there is a large, mature tree with green foliage. In the foreground on the right, there is a modern, light-colored shelter with a curved roof and metal supports. The ground is a mix of grass and paved areas. The overall scene is bright and sunny.

Turning *sketches* into shady stretches

You know the potential of your space better than anyone. When you begin to Think Outside, it's easy to imagine people mingling, kids playing and a community forming around a space that's purpose-built for them. All you have to do is describe your vision, and Greenline can make it happen.

Show us an empty space, wave your hands about or draw sketches in the sand. Our team of world-class designers and builders will translate your inspiration into spaces for growth and fun.





Inspiring
outdoor spaces
encourage
connection.

Education

A photograph of two children in blue clothing and hats playing in a sandbox. The child on the left is kneeling and reaching into the sand, while the child on the right is sitting and also interacting with the sand. The background is a soft-focus outdoor setting with trees and foliage. The entire image is overlaid with a semi-transparent teal color and thin teal lines that create a modern, graphic design.

Children love to be outside. Outdoor education assists students to see the real-life application of what they are learning by putting their new knowledge into a meaningful context. Innovative learning environments also allow children who don't thrive in a traditional classroom to be more engaged and inspired by learning opportunities.

Anyone who has heard a school's recess and lunchtime sounds can understand the palpable sense of liberty being outside provides. The energy of moving into outdoor spaces can be channelled into the activity of learning when the environment encourages connection, is personalised and is also aesthetically inspiring.

Greenline's research, conducted in partnership with educators, indicates both teachers and students greatly enjoy outdoor lessons. The shift in environment has a revitalising and refocusing effect on everyone and as a result, children engage more deeply and retain more information.

When the learning culture integrates changes of environment throughout the day, students and their teachers transition more easily from one environment to the next. Disruption is minimal, and learning is purposeful and exciting. A safe, protective canopy exists where information and knowledge are allowed in, harmful UV rays are kept out and measured doses of natural light, fresh air, laughter and learning are sustained. By allowing students to think outside, schools provide stimulation and freedom of thought four walls can never duplicate.

► Five ideas for your outdoor space

Creating collaborative outdoor spaces encourages creative thinking.



1 ➤ Weather Station

Connect your outdoor spaces to technology and curriculum

Utilise your outdoor learning or recreation spaces to link into natural sciences curriculum and monitor weather events, cloud structures and seasonal patterns. Easy installation and built-in wifi capabilities on weather station units make it easy to gather and use data! You can even get the students to build their own with a kit.

www.raspberrypi.org/learning/weather-station-guide

2 ➤ Collaborative Campfire Zone

Depending on your space, creating collaborative spaces outdoors encourages creative thinking and is very flexible for teaching staff. No expensive furniture necessary... just a few cushions for comfort and somewhere to store them - instant collaborative zone! Tip - make the space usable all year by using a PVC fabric or metal roof for protection and strip heaters for comfort! Check out the project from Loreto Mandeville Hall.

3 ➤ Student Mindfulness Retreat

A lot of schools are utilising their outdoor spaces for student mindfulness sessions. These sessions help with complex student relationships and principles of self care, behaviour management and personal growth. A great company we know also integrates Indigenous stories into their learning.

www.mindfulwarrior.com.au

4 ➤ Creativity Central

Using spaces between classrooms to create creative, science exploration and hands-on areas saves indoor spaces from becoming damaged from water, paint and fun. Create a space that is purpose-built for fun, engaging learning and easy clean up.

5 ➤ Active Zone

Sometimes we just need to shake things up! Choose a time of day when everyone can get up and play a five minute game that refocuses, re-energises and enhances mental space for learning.

► Spatial competency

*Outdoor learning...
because life's great
lessons are often
taught outside
the classroom.*



School life can move at a frenetic pace. Preparation for class, marking and the administrative tasks of teachers are top of mind. At the morning break teachers quickly consume a cup of coffee, grab resources for the next lesson and rush to class. Walking in, they think about the lesson and perhaps how inadequate this timetabled space is to achieve the learning goals. But, they make do, hoping one day to be able to change something to make it better for students.

Today, we see increased innovation in the design and fit-out of learning spaces. But it is insufficient to merely provide innovative spaces without considering how they might be effectively utilised for student learning, and how teachers might be equipped to maximise the opportunities these spaces provide.

For over a century, students were taught in a rectangular box, with a single entry and exit, minimal windows, one focal point and desks in rows facing the board. Often described as the 'factory-model', teaching was delivered to students. However, today, the needs of the learner have changed. There are significant opportunities afforded by technology and the role of the teacher is emerging as designer of curriculum.

Innovative spaces are developed around the idea that inquiry approaches, such as project-based learning (PBL), provide a pedagogical foundation for the future-focused school. PBL supports authentic projects that enable students to explore big ideas, that are cross-disciplinary and solve real-world problems. PBL requires a multi-zonal space that doesn't resemble a factory.

How might teachers effectively use the opportunities within the learning space to support future-focused learning? The key to this is including considerations of the learning space into the overall curriculum planning. These questions identify stages that can assist the planning process:

- What do we believe about learning in the 21st century?
- What are the present and future learning needs of each student?
- How might teachers work collaboratively to utilise diversity of their strengths and expertise?
- What pedagogical approaches will support the diversity of learners to achieve success?
- How might the learning zones, the furniture and the arrangement support learner success and learning design?

Of course, these questions each require further unpacking. In the workshops that I facilitate, I guide teachers, school leaders and designers through a process of collaborative design that equips educators to embed the opportunities of future-focused learning.



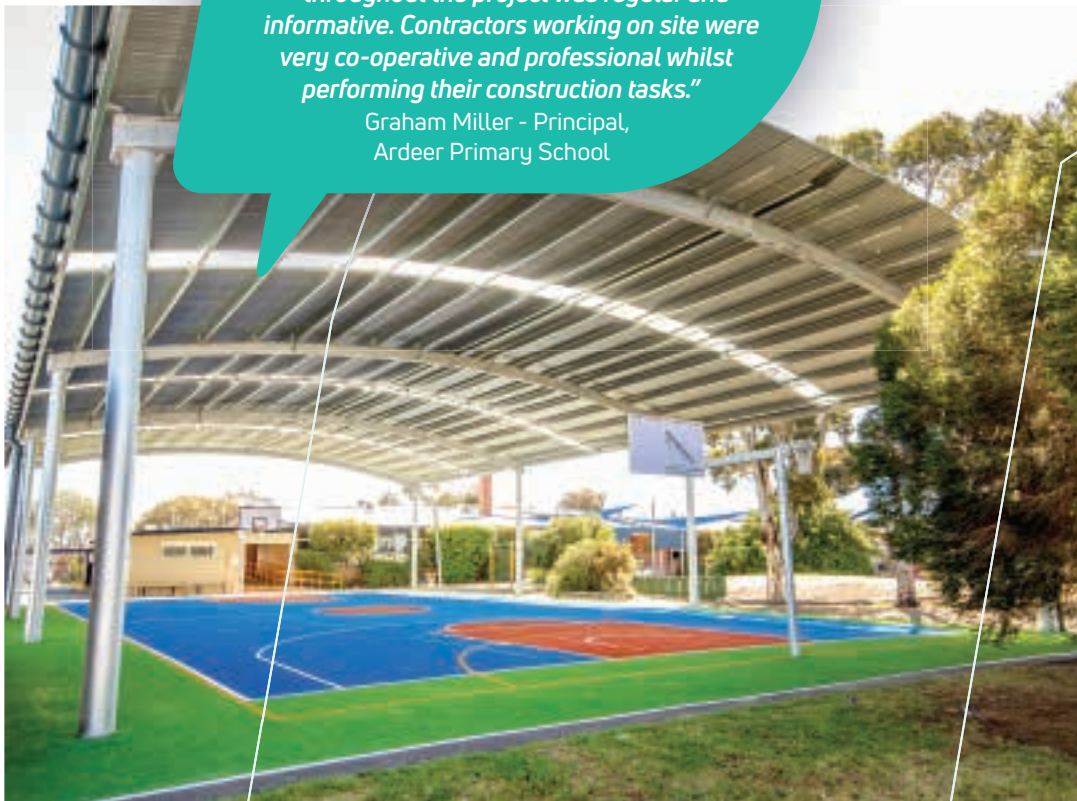
Anne Knock
Educational Consultant
Future of Learning

Education



"The process relating to construction was very well explained with timelines, contractor's details and security and safety measures put in place. Communication throughout the project was regular and informative. Contractors working on site were very co-operative and professional whilst performing their construction tasks."

Graham Miller - Principal,
Ardeer Primary School



Case study

Ardeer Primary School (Ardeer, VIC)

Brief

Ardeer Primary School were in need of an upgrade to their existing asphalt sport court area. As the court was exposed it had experienced quite a bit of wear and tear from the elements and constant use by students playing outside. They were looking to make it a more versatile area and hoping to be able to use the space for multiple purposes, such as school assemblies as well as for playing sports.

With that in mind, Ardeer wanted to build a new COLA roof structure to allow for all weather play for sports and also allow them to be able to use the area for the assemblies they needed. It was important to maintain a cost-effective design while also still incorporating a clean visual result that allowed for excellent natural light.

Like any well designed and executed project, there were challenges that the team faced. Issues such as high risk of striking rock when excavating as well as requirements for stormwater connection to existing underground networks, nearby gas lines and services easements which would need to be managed according to asset owners requirements, proved to be a bit troubling, but was not enough to deter the team away from the task.

The school also wanted to re-surface the court with synthetic grass to improve the playing experience for students by making the ground softer underfoot.

Outcome

Greenline was able to provide a turnkey 'one-stop' solution that Ardeer Primary School was very happy with. This included full design works as well as engineering and construction of the roof structure, new synthetic surface, sports equipment and underground plumbing works. The clean visual design of the structure was achieved with CHS (circular) columns, and curved UB (Universal Beam) rafters and integrated Wonderglas skylight strips.

Greenline's internal design and project management teams coordinated the gas line monitoring and easement build-over requirements with Council to keep the project moving forwards.

This turnkey process allowed the school full input into the project outcome while saving them significant time, ensuring tight integration of all different elements of the project and minimising the disruption to the area.

Ardeer Primary School were rewarded with an outdoor learning area that is aesthetically pleasing and proved to be a big hit with the students who frequently use the area come rain, hail or shine.

Key Design Advantages

- Weatherproof cover to existing court
- Curved beam rafters for clean visual style
- Full project management by Greenline

Area Covered

Existing sports court

Size

34m x 18m (612m²)

Finish

Hot dip galvanised steel

Cover

Zincalume roof cladding, with Wonderglas skylights.

Surfacing/Accessories

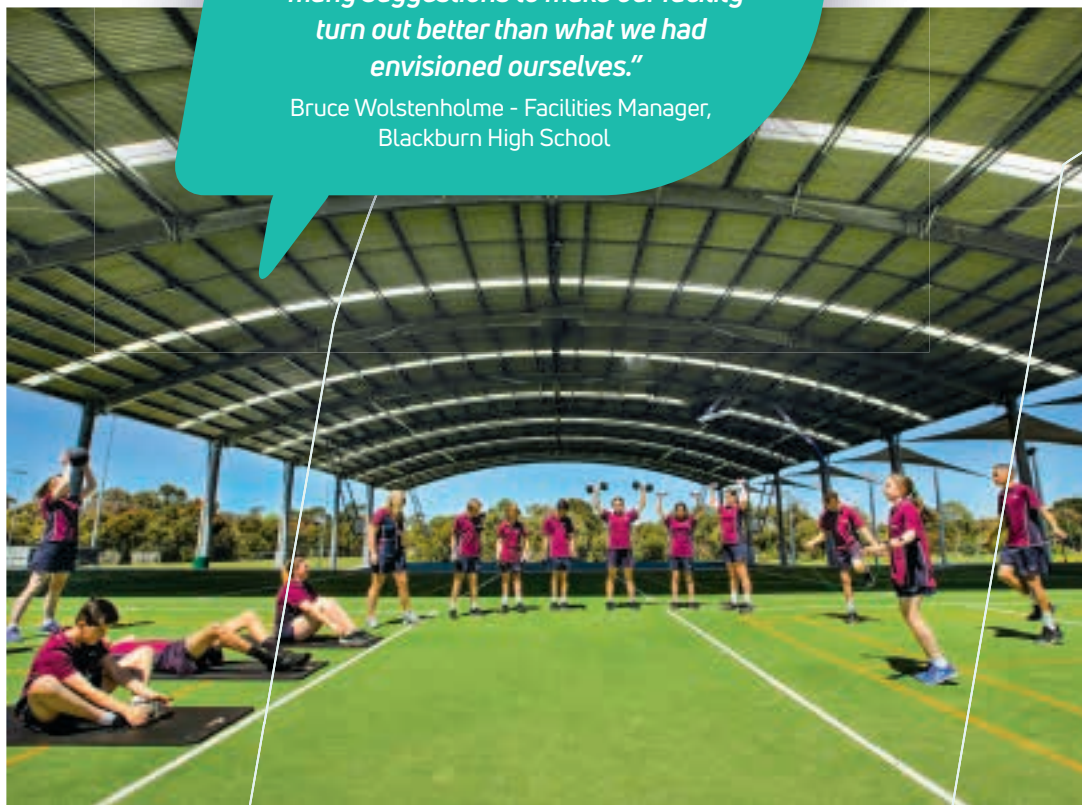
- New synthetic grass multi-sport surface
- New sports equipment
- Stormwater installation

Education



"We wanted to maximise the coverage of the Courts and the usability of the whole area. Greenline offered many suggestions to make our facility turn out better than what we had envisioned ourselves."

Bruce Wolstenholme - Facilities Manager,
Blackburn High School



Case study

Blackburn High School (Blackburn, VIC)

Brief

Blackburn High School needed a major outdoor sports area project completed to assist with their growing enrolment numbers. Their existing indoor single court gym was regularly overbooked especially in adverse weather, compounded by timetabling challenges for exams and assemblies.

The school had been working towards self-funding this project for some time and wanted to ensure they achieved a high quality, aesthetically pleasing outcome for the long term. The school property team wanted to work with a design and construct partner that would take on board their requirements and then take the project right through to completion.

Challenges in the project included changes of levels across the area, extensive underground services, and uncontrolled fill soil conditions.

Outcome

The Greenline team jumped at the chance to be involved in the project and assisted the school right through the process with detailed estimates, designs, technical input and conceptual drawings.

The selection of the Curved Beam Metal COLA roof ensures a spectacular visual result with excellent natural lighting through the use of Wonderglas skylighting panels, and the integrated sports lighting for night usage.

The change of levels across the area was addressed with the careful design of concrete tiered seating between the upper synthetic grass volleyball/tennis courts and the lower acrylic netball/basketball courts space. The soft fill soil conditions required additional layers of crushed rock and geofabric stabilising materials to 'bridge' the fill and ensure a truly long term court surface.

The structure incorporates motorised retractable basketball hoops operated via key-switches, along with extensive power, PA and services provisions. Multiple shade sails were also installed alongside the COLA to allow for extra shading and weather protection when larger student numbers are using the area.

Key Design Advantages

- Fully compliant court sizes and runbacks.
- Clear span structure.
- Integrated lighting and power, motorised sports equipment.
- Concrete tiered seating.
- Additional shade sails for adjacent spectator area.

Area Covered

COLA and Shade Sails

Size

Structure: 61m x 38m (2,318m²)

Playing Area: 67m x 37m (2,479m²)

Finish

Hot dip galvanised steel

Cover

Colorbond® - Shale Grey and Wonderglas GC skylights

Surfacing/Accessories

- Acrylic surfacing for two basketball/netball courts
- Synthetic grass multipurpose volleyball and tennis area
- Retractable basketball backboards
- Post pads
- Tiered seating
- Lighting

Education



"The contrasting colours have made the area very eye catching and popular with the students. Everyone really enjoys the area and the students have a lot of fun having outdoor lessons out here. It has been wonderfully designed and constructed and all are impressed with the area."

Duncan Wallace - Project Consultant,
Greenline



Case study

Brandon Park Primary School (Wheelers Hill, VIC)

Brief

Brandon Park Primary School required shading over their whole quadrangle area. The school and parents considered it a desperate need, so the school organised a fundraiser to raise the money. Due to the project being self-funded, the budget was limited so Greenline made sure to work with them to get the shade that they needed for their area.

The school was after a free spanning structure that had no posts in the middle of the area. It was to remain an open space for students to continue using the area for outdoor learning purposes as well as for the school to use it as an assembly area. Sufficient clearance for playing Basketball as well as for vehicle access was essential and needed to be part of the structure's design.

Outcome

Greenline were able to provide a simple but effective result for Brandon Park Primary School by installing Hypar Shade Sails; a combination of three sails on eight posts spanning the full area. With only a limited budget available, Greenline provided a hot dipped galvanised finish for the steel to help fit the school's limited budget, and this is nicely completed by the striking Lime and Charcoal sail colours.

Clearance of 4.0m at the lowest point provides plenty of space to allow most trucks in and around the area while also not disrupting a game of Basketball.

The entirety of the project right down to the process of including external approvals/permits was managed by the Greenline team.

Key Design Advantages

- Posts outside the playing area.
- Hypar shade sails provide a modern and contemporary design with plenty of visual interest.

Area Covered

Shade Sails

Size

30m x 17m (510m²)

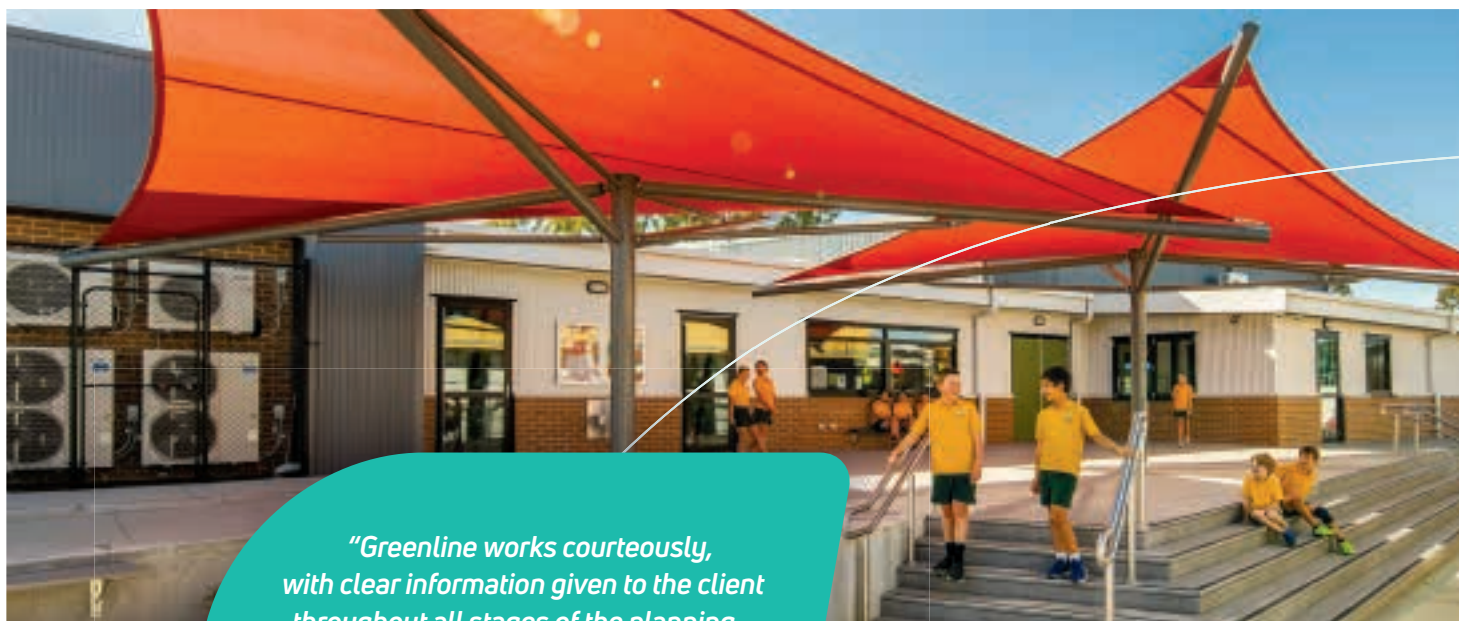
Finish

Hot dip galvanised steel

Cover

Monotec 370 Shademesh
- Lime and Charcoal

Education



*"Greenline works courteously,
with clear information given to the client
throughout all stages of the planning,
design and construction process."*

Lee Pollard - Principal,
Bundoora Primary School



Case study

Bundoora Primary School (Bundoora, VIC)

Brief

Staff at Bundoora Primary School were often blinded by the glare of the sun when leaving the staff area and heading out onto their deck area surrounding their canteen window. They were in need of shading to stop the hot and bright sun taking over their decking and canteen area, especially in the hot summer months. The School decided to go with 2 Star Structures. This would allow enough shade to the area without having it cluttered when staff and students lined up for the Canteen.

As the deck was already built when it came to installing the shade structures, the design phase required careful planning to ensure that the several underground services through the area were considered when getting the structures in the right spot. This also meant that the finished product had to look like it was designed as part of the deck and was not an add-on.

Outcome

Greenline installed two 8m x 8m centre post Star Structures which blended in well with the decking. They also took into consideration the landscaping as well as the new decking when deciding on their colour choices for the structure. The school went for a contemporary style of dark, almost charcoal for the steelwork and rusty red for the cover of the Star Structure. It brought some new colour into the area but were neutral enough not to clash with existing colours.

Installation of these structures was not without its challenges. It involved removing part of the decking and using hydro-vacuum excavation to dig footings without damaging underground services through the area. Fitting the deck planks around the columns to ensure a neat finish so it looked like it was part of the original installation was essential to complete the look.

Key Design Advantages

- Free-standing structure
- Minimal number of columns
- Contemporary design to match new decking

Area Covered

Decking Shade Stars

Size

Two 8m x 8m Star Structures

Finish

Primecoated and powdercoated
- Basalt (satin finish)

Cover

Commercial 95 Shademesh
- Cayenne

Education



"Greenline hip structures – solid and well built – robust frame and very tidy detailing. Job well done."

Ben Holt - Project Consultant, Greenline



Case study

Cabramatta Public School (Cabramatta, NSW)

Brief

Cabramatta Public School needed shade over their playground and wanted to maximise shade protection for both mornings and afternoons while staff were supervising students on the equipment and also to ensure that the play equipment would not be too hot in the summer months. As this is a highly frequented area, the school wanted to ensure that the posts would be installed inside the fences rather than impeding on the spaces surrounding the playground and were looking for a long-term solution that brought no corrosion or maintenance risks. They needed a strong sturdy structure that would provide shade to the area for years to come.

Outcome

The School chose Greenline's strong hip structure as their selection as it allows the structure to overhang beyond the posts and has low edges on all sides. This means that the sun is blocked for as long as possible in mornings and afternoons allowing for extra time to be spent in the area. The School instructed us to remove the turret on the playground to allow the structure to be lower in view of further increasing shade achieved throughout the day.

A decision was made to upgrade to powdercoating on the steelwork as well as selecting the strongest fabric available on the market. The school made these choices with the long-term picture in mind and in doing so have secured themselves a strong and attractive asset for many years to come.

Greenline's scope included modifications to the playground fence, minor surfacing aspects and overall site control and project management. Completed on-time with minimum of fuss, the school was very pleased with the outcome and the children are thrilled to be able to use their playground regardless of the harsh summer sun!

Key Design Advantages

- Low perimeter maximises shade protection.
- Strongest shade cloth in the world ensures long-term safe shade.
- Framing design allows structure overhang past the posts, increasing shade area beyond the footprint of the posts.

Area Covered

Playground equipment

Size

14.5m x 18m (261m²)

Finish

Powdercoated - Dulux Mistletoe

Cover

Monotec 370 - Bundena Blue

Education



"A huge thank you and congratulations to the team at Greenline for delivering BIG TIME our outdoor shade shelter. The shelter, which covers one of our outdoor basketball courts, gives our students a chance to play through all weather conditions and looks great. Their post project support has been fantastic with quick follow-ups and service to the school."

Christian Holdsworth - Principal,
Croydon Hills Primary School



Case study

Croydon Hills Primary School (Croydon Hills, VIC)

Brief

The leadership team at Croydon Hills Primary School wanted to refresh their existing sports court area to improve opportunities for staff and students and demonstrate their commitment to providing the highest quality facilities for their school community.

The final desired outcome for the project was to include new surfacing throughout, along with the installation of new sports hoops. It was important to achieve waterproof coverage to the space along with excellent natural light transmission to maintain the outdoors ambience of the space.

Being a waterproof structure also meant that rainwater would need to be connected to existing stormwater systems.

Outcome

Greenline provided a full design and construct package to complete the structure, this included obtaining building permits, installing underground stormwater, and installing new basketball and netball hoops for the school. The minimalist structural design eliminates risks of bird-roosting issues and provides a very clean visual finish to the space.

Greenline ensured access to the existing adjacent shed was maintained by careful location of columns away from the swinging gate entry points. Footings were finished below the existing surface level to ensure that the new synthetic surfacing achieved a perfect finish around the columns. The school staff and students love their new space and it is used on a daily basis for any number of different uses!

Key Design Advantages

- All-weather sports, PE and assembly opportunities.
- Excellent light transmission into area for improved ambience.
- Underground plumbing to existing pit network.
- Bay spacings adjusted to maintain access to existing storage shed doors.

Area Covered

Existing sports court

Size

33m x 19.6m (646.8m²)

Finish

Prime coated & powdercoat - Dune

Cover

PVC waterproof fabric

Surfacing/Accessories

- Synthetic basketball court
- New rotatable acrylic basketball/netball hoops
- Post pads

Education



"Having this space for the students to be able to study in any weather has been fantastic for the school. The heating allows the students to be out in the winter months without feeling the chill and it fits in incredibly well with the other surrounding buildings. This space is one of our favourites at the school."

Duncan Wallace - Project Consultant,
Greenline



Case study

Loreto Mandeville Hall (Toorak, VIC)

Brief

Loreto came to Greenline for two reasons – they needed their project done fast, and done right the first time.

Timing was critical with decking works already scheduled and the need to coordinate with crane lifts from the adjacent street.

Greenline needed to manage the design and engineering to ensure the structure worked within the structural capacity of the existing rooftop slab and allow the decking to work around the structures as planned.

Outcome

The project was a winner in every sense of the word, being delivered on time and on budget, creating a space that the students love and going onto win NADRA's "Unique Feature Deck" award in 2015.

Greenline's detailed engineering including scanning the existing slab and designing customised slab fixings, in addition to the project management that kept the project on schedule.

The outcome is impressive, neat and contemporary with the star structures perfectly complementing the dark timber decking and modern building behind.

Key Design Advantages

- Creates focused covered areas
- All weather cover and 100% UV block
- Lighting for night events
- Heating for cold days or nights
- Flexible space for outdoor learning
- Engineered to suit existing slab and decking design

Area Covered

Rooftop breakout space

Size

Three structures, each 5m x 5m

Finish

Prime coated & powdercoat
Colorbond® 'Surfmist'

Cover

Mehler FR700, white PVC

Education



"Very happy with the whole process from Greenline. Any issues were rectified promptly and Greenline sending us the final inspection form was very helpful!"

Jeff Graham - Property Manager,
Nepean Christian College



Case study

Nepean Christian College (Mulgoa, NSW)

Brief

Provide shade to artificial turf area to minimise heat.

Design to be in keeping with previous work by Greenline in the Junior Lunch Area.

Play space was already complete, required working around artificial surfaces to install the project.

No posts obstructing the play space.

Outcome

Single four post sail to provide complete cover to the play space.

Posts at extremities of the area to minimise interruption of the play space.

Hot dipped galvanised finish and charcoal sails to match existing work and fit in with surrounding buildings.

The free flowing form of the hypar shade sails complements the organic feel of the area and helps the structure to fit to the varying levels in the space.

Key Design Advantages

- Design and colour scheme matching previous works
- Modern design with hypar shade sails

Area Covered

Junior Play Area

Size

Approx. 10m x 9m

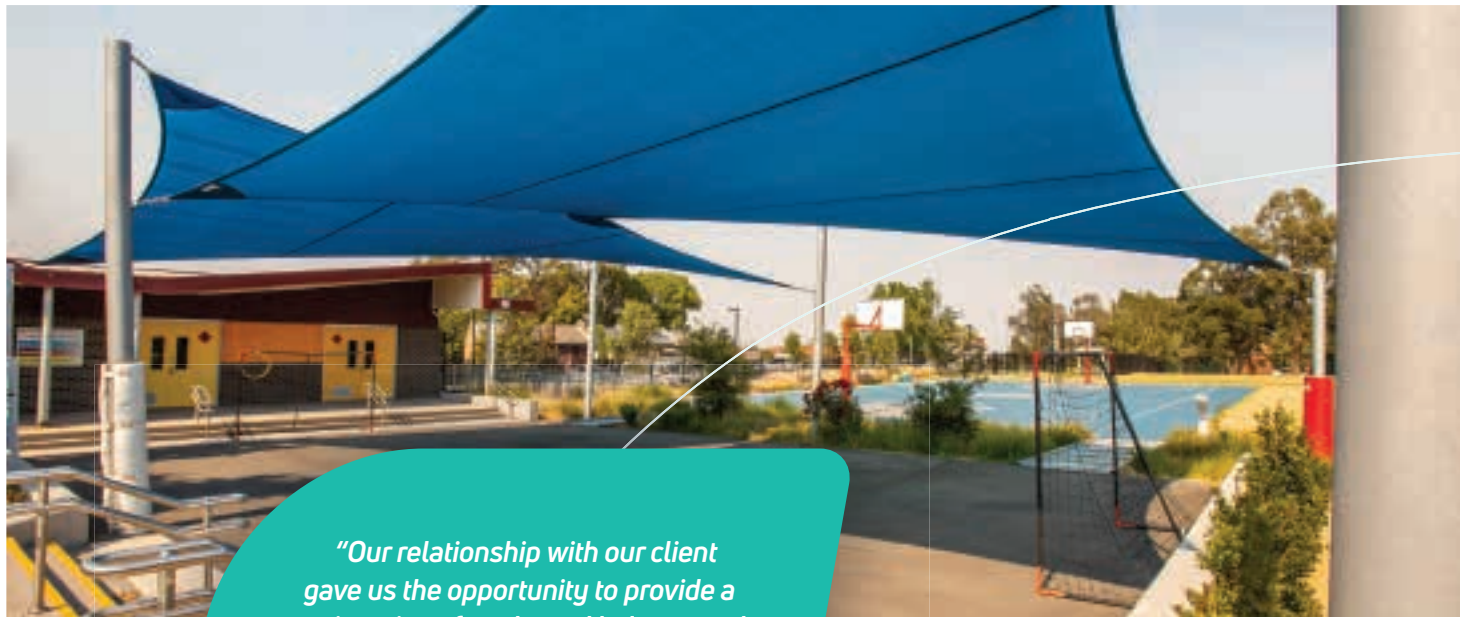
Finish

Hot dip galvanized steel posts

Cover

Commercial 95 – Charcoal

Education



"Our relationship with our client gave us the opportunity to provide a continuation of works and help expand the use of further space."

Duncan Wallace - Project Consultant,
Greenline



Case study

Rowland Hassall School (Chester Hill, NSW)

Brief

Rowland Hassall School wanted to develop a ball games area that provided shade, clearance and durability while not impacting existing landscaping.

They wanted to add a covering to the ball games area to reduce glare and summer heat, while still providing sufficient clearance for kids to be able to play ball.

Sufficient height was also important to discourage students accessing the sail. Placement of the sails was important to minimise any damage to existing landscaping.

Greenline had to work in with the school's timetable to prevent unnecessary disruption to school activities, and difficult access compounded the construction scheduling challenges, but the project was completed with a minimum of fuss!

Outcome

Two hypar shade sails on six posts – simple but cost-effective design.

Hot dipped galvanized sail and with Aqua Blue coloring to provide some colour and visual interest in the area.

Key Design Advantages

- Cost effective design for large area – hypar sails
- Sufficient clearance for ball games to be played

Area Covered

Ball games area

Size

18m x 13m (234m²)

Finish

Hot dip galvanised steel

Cover

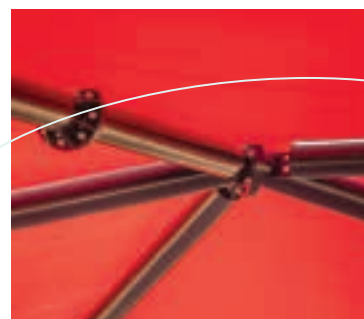
Coolshade – Aqua Blue

Education



"St Helen's wanted something bright and bold and that is what they got. The shade provides a perfect amount of coverage over the basketball court and has made the area really stand out, it is the first thing you notice when heading towards the bush area out the back of the school and the size is perfect!"

Duncan Wallace - Project Consultant,
Greenline



Case study

St Helen's Park Primary School (Campbelltown, NSW)

Brief

With existing shelters and trees around the area, the school needed a design that allowed flexibility with column placement without compromising on shading the entire sports court.

They also wanted a framed structure that had low edges to keep out the morning and afternoon sun, with a corresponding high centre that allowed games to continue as normal.

Existing synthetic grass had to be protected from damage during construction and some of the work had to be completed during the term, meaning site safety was absolutely crucial.

With the expected prominence of the structure with its sheer size, colour selection was to be such that it made the most of the opportunity for visual impact!

Outcome

Greenline's fully fabricated steel frame hip structure allowed column placement to be adjusted as needed to fit in around existing school assets, and provided large spans between columns.

This whole area was shaded with only four columns on each side of the structure!

Keeping the columns nice and tall and selecting a smart contrast of red and black for the colour scheme resulted in a structure that you can't miss if you're driving past St Helens Park Public School – and it will be so for many years to come.

Key Design Advantages

- Large spans between columns reduce column interruption in the area
- Low edges and high centre maximise shade whilst ensuring uninterrupted play

Area Covered

Synthetic grass basketball court

Size

19m x 32m (608m²)

Finish

Powdercoated - Dulux Night Sky

Cover

Monotec 370 - Candy

Education



*"Absolutely, I'd recommend them
in other schools, they're amazing!
The finished product is excellent.
We're very happy with it."*

Rob Spooner - Campus Property Manager,
Waverly College



Case study

Waverley College (Waverley, NSW)

Brief

Waverley College had a unique situation where they wanted a shade structure to cover a competition size Basketball Court that was located on the roof of their gymnasium.

It was very important to the College that they could maximise every available playing space for the students so that the College could make the most out of the space without any of the area going to waste.

Outcome

Waverley College opted for one of Greenline's popular structures being the PVC Membrane Barrel Vault. One of the benefits of this structure is that it allows 9% light transmission into the area allowing for the feel of outdoor ambience while still providing full weatherproof protection. Students can play in any weather, in any conditions, in any season.

This structure was able to double the floorspace for the PD/H/PE Department while still allowing for outdoor lessons and play regardless of the weather.

The Greenline team's experience helped work through some unique challenges with the construction of this project. Being that it was on a busy main road, limited space available between buildings in regard to access and that it was to be built on the roof of their gymnasium all made this more interesting to build than a conventional site!

Introducing structural smarts to reduce the load onto the rooftop slab helped reduce the overall cost of construction for the client, and the project was completed on-time, on-budget.

Key Design Advantages

- Architectural flair
- Full weatherproof cover
- Light transmission

Area Covered

Rooftop basketball court

Size

23.5m x 36m (846m²)

Finish

Powdercoated

Cover

Ferrari 802S PVC

Education



"From day one, the walkway was such a big hit, with so many students using it that we actually had to provide extra staff in the area for additional student supervision."

Bryan Wollard - Assistant Principal,
Wyndham Central College



Case study

Wyndham Central College (Werribee, VIC)

Brief

Wyndham Central College wanted to upgrade a central walkway and seating area by providing a new roof structure. This covered space would provide a waterproof link, along with a larger extension off the side to cover the seating/passive area.

The original area was very exposed to the elements and very uncomfortable for students and staff, resulting in very limited use of the space.

Outcome

The main walkway design was developed as a skillion roof to match surrounding building styles and simplify the stormwater management, with a custom end cantilever design to mirror the layout of the surrounding garden and paving edges.

The selection of Colorbond finishes matches to surrounding buildings along with the very robust hot dip galvanised structural steelwork.

The addition of extra seating and synthetic grass under the structure has completely transformed the space and it is now the most popular area in the school for staff and students!

Key Design Advantages

- Covered walkway link
- Additional covered space for seating and learning
- Underground stormwater connection
- Cantilever end design to minimise interruption from columns

Area Covered

Covered walkway link and passive space.

Size

215m²

Finish

Hot dip galvanised steel

Cover

Colorbond®



Defined
spaces for
community
engagement.

Government




Make the most of your city or town's urban landscape. Creating defined spaces where communities can congregate and engage is what Greenline does best.

We use the highest quality materials, so your structure performs better over time with minimal maintenance. We can provide a diverse range of custom-designed solutions to meet any application Australia wide.

Greenline is the preferred supplier to NSW and Victorian councils because we offer high quality structures, quick turnaround times and hassle-free installation.

Tick your next structure off your to-do list when you engage us. We'll take care of all the details, so you don't have to.

► Creating communities with light and shade



Australia is a rich, bright country full of space and light. Its people are raised outdoors - born to play under blue skies, or laze in the shade on our hot afternoons. People from all corners of our nation, and travelers from across the seas, we share one trait – a love for the outdoors.

At Greenline, we don't want to see Australia become an indoors country, and we've spent two generations softening the effect of the sun to keep Australians outside.

In doing this, we create much more than shade – we craft carefully designed spaces where communities can come together. We take time to get to know the land, learn how the sun strikes and the rain falls, study how people spend their time outdoors, and we analyse our clients' plans from every angle.

Our world-class designers use this knowledge to create structures that stand in harmony with the landscape and the community. Then we paint the land with shade and light, carving out cool spaces where people can learn, play and share precious time, safe from the severity of the sun's rays.

Over two decades, Greenline's shade has become a crucial part of the landscape, strengthening Australia's long legacy of being an outdoors people. We don't just create shade – we bring communities together to enjoy our bright, endlessly beautiful days.

Government



"The consistent theme of the structures right through the car park has really lifted the visual appeal of the airport, and provides a great amenity for passengers coming through the airport."

Ben Holt - Project Consultant, Greenline



Case study

Albury Airport (Albury, NSW)

Brief

Albury City Council were giving Albury Airport carpark an overhaul.

Greenline was chosen as the successful contractor for the project: design, supply and install a secure car park roof structure, walkways, bus and taxi shelters and a ticket booth within a fixed budget and a tight time frame.

Outcome

The clean lines complement the architecture of surrounding buildings and stands out prominently however you enter the airport – by land or air!

The solution includes walkways and secure parking with matching bus shelters and ticket booths.

The clear glass, soffit lining and tapered ends to the universal beams maintain the current modern, minimalist look. Aluminium roller shutter doors were added to the ticket booths for security, and lighting and electrical scopes were seamlessly integrated into the design.

Timeframes were critical and the entire project was delivered in under ten weeks.

Key Design Advantages

- Clean, modern, minimalistic design
- Staged installation
- Short project timeframe to minimise disruption to airport operations
- Turnkey - design and construct

Area Covered

Carpark and walkways

Size

Main carpark: 14m x 24m
Linked walkways approx 150m
Four stand alone bus shelters

Finish

Dulux 'Brood' structural steelwork

Cover

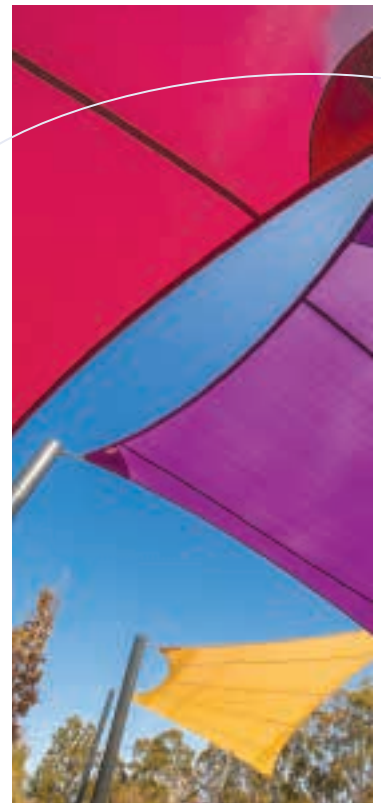
Colorbond® - Surfmist

Government



"We were pleased to work with Camden Council to deliver on the objectives they set out at the very beginning of the project - create an impact while providing a cost effective shade solution. They wanted to shade as much as possible within their budget while creating a statement for those driving by. The result speaks for itself!"

Gerry Wallace - Corporate Services
Manager, Greenline



Case study

Birriwa Reserve (Camden, NSW)

Brief

The brief was simple - the council received repeated requests for shade at this playground and needed to provide a long-lasting solution and have it done before Summer!

Situated across the road from the Mount Annan Marketplace and Mount Annan Leisure Centre, the playground features adventure play equipment including a large climbing rope structure, a cable ride, large slide, basket swings, a passive recreation space and more!

Like any project, there was not an unlimited budget however the shade sails had to make an impact and stand out. Involving the council executive and having their buy-in during the design process was critical to the success of the project.

Outcome

Greenline worked with the council's internal project team to prioritise the areas that required shade and provided a shade analysis to show which were the high UV/heat risk areas and design targeted shade for these areas.

It certainly catches the attention of those driving past. Greenline chose the Monotec range of shade cloth for its proven strength and great colour range.

The installation was completed on time despite late changes to the design and the result is both bold and amazing!

Key Design Advantages

- Eye-catching bright Monotec colours!
- Targeted shade analysis
- Extra clearance to minimise vandalism

Area Covered

Playground

Size

8 sails at various sizes

Finish

Prime coated & powdercoat
- Dulux Duralloy 'Charcoal'

Cover

Monotec 370 - Jazzberry,
Bubblegum and Karloo Sand

Government



*"Very nifty! Shade positioned
exactly where it's needed!"*

Ben Holt - Project Consultant, Greenline



Case study

Fairfield Adventure Park (Fairfield, NSW)

Brief

The Council wanted enough shade to be able to keep the children playing for long periods of time without having to worry about the effects of the sun.

Council's adventure playground was nearing completion when the decision was made to add shade structures to protect the bottom of each slide.

The project had to be turned around quickly, and because it was somewhat of an afterthought, options for post locations were extremely limited.

Outcome

Greenline customised the corner post star structure to provide single post structures with large shade areas pinpointing the shade on exactly the right locations to protect the run-out on the stainless steel slides.

With restricted construction access and working around beautiful brand new adventure play structures, this wasn't a walk in the park!

Key Design Advantages

- Offset posts allowing pin-pointed shade without compromising fall zones
- Arty flair to complement grand adventure playground
- Single post design maximising play area

Area Covered

Adventure Park

Size

Three structures each 6m x 6m

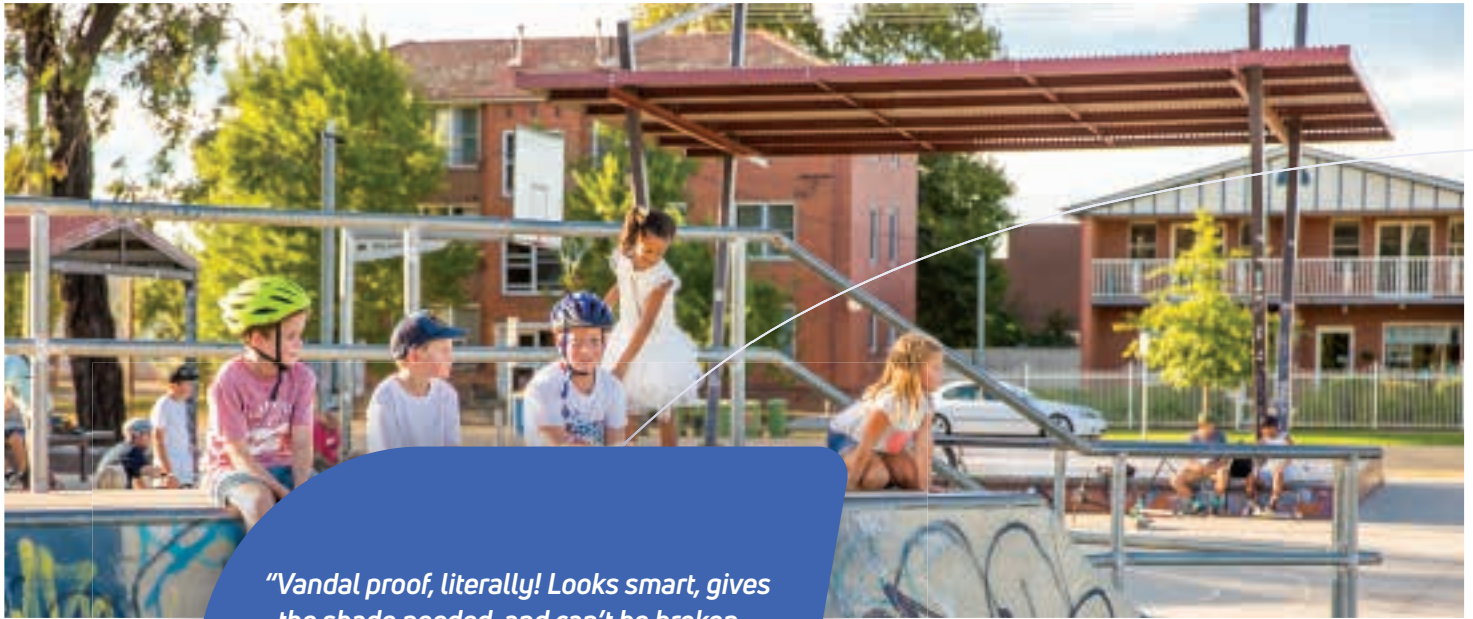
Finish

Powdercoated - Gull Grey

Cover

Commercial 95 - Natural

Government



*"Vandal proof, literally! Looks smart, gives the shade needed, and can't be broken.
Just what was needed."*

Ben Holt - Project Consultant, Greenline



Case study

Wagga Skatepark (Wagga Wagga, NSW)

Brief

Wagga Council needed shade structures at their skate parks and they wanted them to be robust so vandals couldn't damage them, and they needed minimal interruption from posts. Having an industrial style was also important.

Outcome

A cantilever frame worked perfectly for one of the locations, and the second closer to the CBD called for a frame design that would have a bit more flair and presence.

The framework extending through the roof gives the industrial styling that council wanted, and the minimalist approach to detailing the shelters keeps their lines very clean and also minimises opportunities for vandals to do their damage.

Years later, these shelters are still going strong!

Key Design Advantages

- Vandal-proof design
- Pinpointed shade
- Architectural flair

Area Covered

Skatepark Shelter

Size

Structure 1: 10m x 6.5m (65m²)
Structure 2: 9.6m x 4m (38.4m²)

Finish

Powdercoated

Cover

Colorbond® CustomOrb



Play
together
whatever the
weather.

Recreation

First impressions do count, no matter what they say! Get Greenline on your team; we have the experience to engineer beautifully functional structures that fulfill the vision you have for your space - on time, on budget.

Sports courts, greens and playing fields bring with them their own set of challenges. When we design for recreation, we are looking at how we can produce not only a quality long term facility, but a fit for purpose efficient investment.

We have design and construct methodologies which ensure we never touch your surface - that's right, we don't even have to set foot on a playing surface to install your structure!

By covering your recreation space you can be guaranteed of not only providing a convenient, sun-smart environment for your patrons but also the assurance that you can play together, whatever the weather.

"We are now no longer impacted by the elements and no longer have to cancel games due to rain, storms or heat."

Simon Grimes - President, Lilydale and Yarra Valley Netball Association

➤ Outside together whatever the weather

At Greenline, our mantra is that we refuse to see Australia become an indoors country. We craft carefully designed spaces to enable our Australian love of fresh air and natural light to continue safely. There is now strong evidence suggesting that these spaces have a value that reaches much further than enjoyment and recreation. Concerns that children may be losing more than bush skills and sun tans as they cut back on their time outside are leading some Australian schools to implement outdoor education programs to help redress the balance.

Outdoor education creates opportunities to teach self-reliance, reinforce concepts of interdependence and leadership, and nurture adventurous spirits. Through personal interactions we can develop a better understanding of nature and deepen human-nature relationships. Being outside teaches us to manage personal risks and have safe journeys in nature, while also highlighting the value of life-long outdoor recreation for enjoyment, health and well-being.

Providing students with direct personal experience with nature in a way that promotes enjoyment of outdoor activity can be the beginning of a relationship with outdoor recreation and natural experiences that will last their whole lifetime.

Anne Knock, Education Consultant at Culture | Learning | Design says "I am passionate about making a difference to the experience of school, improving opportunities for children and young people. In my work I consider how the design of learning environments, the approaches to learning and school leadership can grow future-focused schools."

Greg Doven
greg.doven@greenline.com.au

1800 044 200



➤ Five key questions for planning and designing your new field of play

1 ➤ Know what your end game is.

Make sure that you understand your end game; who will be the users of the facility and what level of competition will they compete at? This will dictate a lot of the design requirements for the facility, the playing surface and associated infrastructure (i.e. drainage, lighting etc).

2 ➤ Know your site.

Learn everything you can about your site, it can greatly impact not only the design but also the project budget and program. Understand the following about your site:

- **Flood overlay** – Does the site get inundated with flood waters?
- **Ground conditions** – Suitability of the underlying subgrade material can significantly impact both the design and budget of a project for a Field of Play construction. Prior to undertaking any design on a project, it is strongly recommended that a detailed geotechnical investigation is undertaken.
- **Terrain** – Buildability is often governed by the grading of the existing site terrain. Often a heavily graded site is not recommended for the construction of a Field of Play due to the potential needs for retaining walls, etc.
- **Legal point of discharge requirements** – There are three key elements when determining the requirements for the site legal point of discharge:
 - Where the legal point of discharge is
 - The quantity (i.e. flow rate) of the stormwater discharge from the site
 - The quality of the stormwater discharge from site and whether pre-treatment is required before discharge
- **Planning requirements** – whether there are any cultural, flora and/or fauna or other requirements that may impact the footprint and/or the construction methodology for the field of play

3 ➤ Know your budget.

Often this can only be determined once the first two questions have been answered. Once you know exactly what you are after and what your site requires to meet your goals, then work to firm up your budget. Always include project contingencies. The more site investigations and design undertaken, the more you can reduce the risk and therefore reduce the project contingencies.

4 ➤ Know your requirements.

For most Fields of Play the sport governing bodies specify key design and performance requirements. Contact the sport governing body prior to undertaking any design to gain an understanding of these requirements and how they may impact your facility.

5 ➤ Know the industry.

Research the Field of Play industry prior to engaging planners, designers and contractors. Ask questions. Go and inspect completed projects. A lot can be gained from inspecting a facility rather than relying on glossy marketing material.

The industry is continually evolving and new technologies are improving the final products.



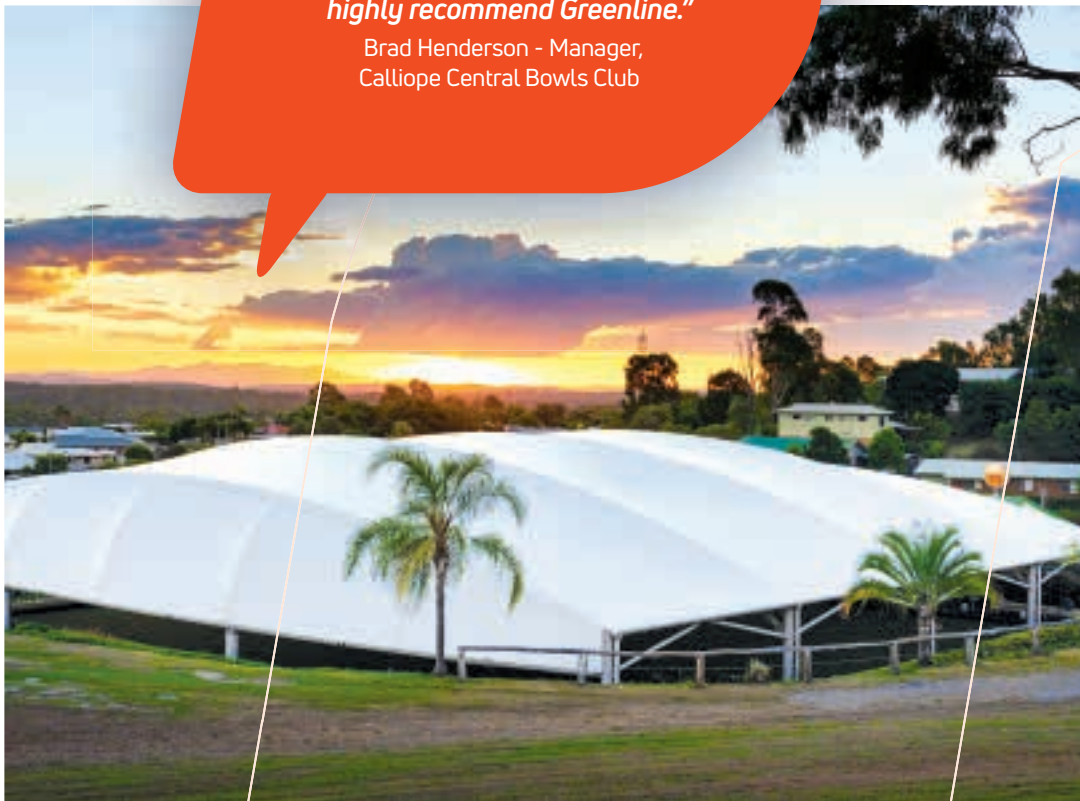
Jarrod Hill
sporteng.com.au

Recreation



"They were very professional during their contract. I would highly recommend Greenline."

Brad Henderson - Manager,
Calliope Central Bowls Club



Case study

Calliope Central Bowls Club (Calliope, QLD)

Brief

Calliope Central Bowls Club came to Greenline with the vision of covering their green to provide year-round, day and night lawn bowls with a cyclone-proof membrane structure.

The site was challenging with limited access around the green for large construction equipment, and a client preference for no access onto the green at any point during construction.

Cyclonic wind conditions meant that the structure needed to be certified for extremely strong wind events.

Outcome

Calliope Central Bowls Club are the only one in the Gladstone region that will have a permanent roof. It allows competitions to be scheduled well in advance without the worry of weather. The club is building a strong focus on getting the local community involved with barefoot bowls and social events, so it is more than simply a bowling club – it is a local destination.

The curved roof structure was designed to withstand the massive loads from cyclones and was constructed from curved circular steel members and high-tech premium waterproof PVC membrane. The membrane offers 100% UVR block for a safe playing environment for all ages while allowing 9% natural light transmission to reduce the need for artificial lighting during the day.

The structure has efficient LED lighting for evening events, and a PA system to extend the building's public address into the area.

The project was conducted with a unique methodology with zero access to the green at any point during construction.

Key Design Advantages

- No equipment, materials or machines on the green at any point during construction
- Efficient LED lighting in accordance with Australian Standards
- End infills for weather protection
- Colorbond® half-round gutters and circular downpipes with connection to the stormwater system

Area Covered

Existing bowling green

Size

42.9m x 44m (1,887.6m²)

Finish

Interpon three-coat paint system for C3 medium corrosivity region in 'Dune'

Cover

Mehler FR900, white PVC

Recreation



"The café was a great opportunity to be involved in the integration of lighting, heating & blinds to enhance the structure and utilisation of the alfresco space."

Duncan Wallace - Project Consultant,
Greenline



Case study

Confidential Sports Facility (Canberra, ACT)

Brief

This sporting facility was looking to replace a temporary fix and provide an aesthetically pleasing, waterproof cover to the marshalling area of their running track.

The project managers were looking for a company capable of turn-key projects and found Greenline.

The structure design needed to provide waterproof cover and good afternoon sun protection.

As an additional request they had asked if the structure could minimise disruption to the running surface.

Outcome

Greenline handled the entire project and the final result was the slim profile of a curved PVC cantilever, that exceeded the original brief.

Besides permanent waterproof cover and excellent afternoon sun protection for runners and their belongings, the cantilever gave an uninterrupted view down the running lanes.

Key Design Advantages

- Posts on one side to provide clear site
- Posts placed to remove risk of damage to running track surface
- Large overhang to northern end to extend shade protection
- Water drains away from the track

Area Covered

Running track marshalling area

Size

12m x 8m (96m²)

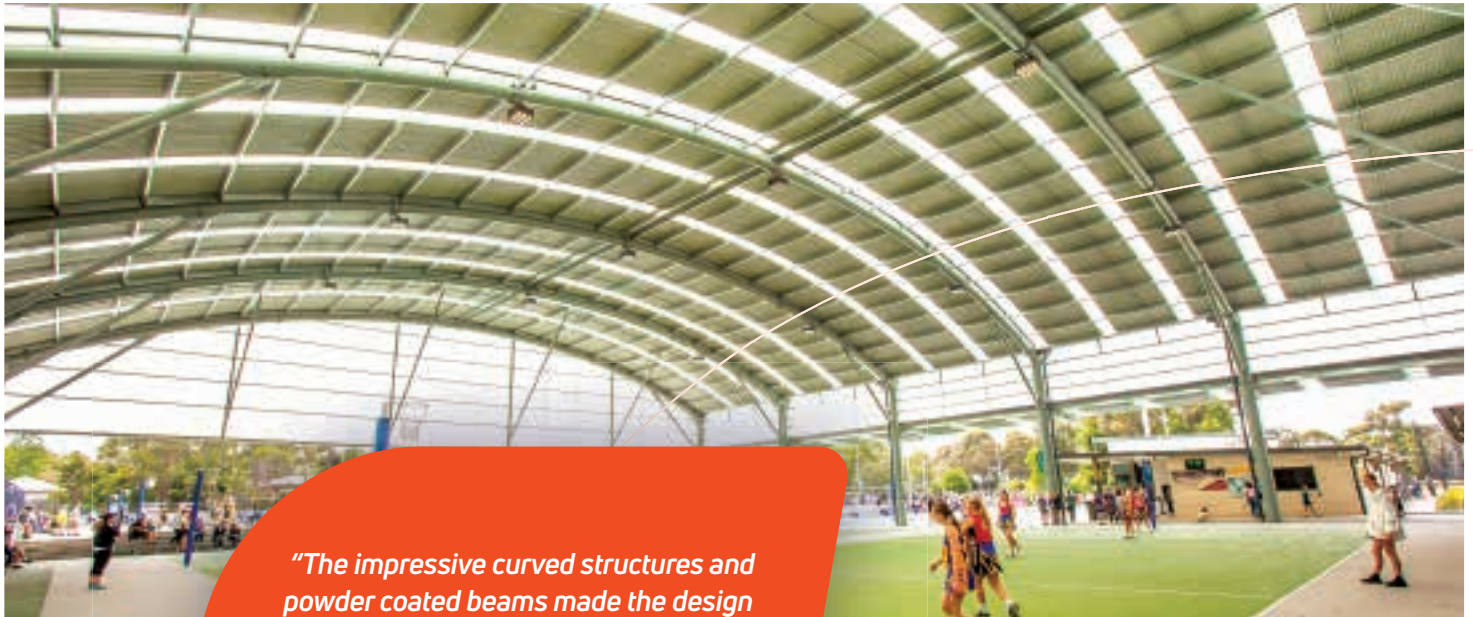
Finish

Prime coated & powdercoat
- Pearl White

Cover

Mehler FR700, White PVC Membrane

Recreation



"The impressive curved structures and powder coated beams made the design look stylish and not like a typical 'shed'."

Simon Grimes - President, Lilydale and Yarra Valley Netball Association



Case study

Pinks Reserve (Kilsyth, VIC)

Brief

Lilydale & Yarra Valley Netball Association needed a structure over their netball courts at Pinks Reserve to protect members and spectators from the weather, as well as bring year-round consistency to event scheduling. The site is a Netball Victoria 'Regional' specification venue; therefore it was essential to maintain full compliance with court sizes, clearance and lighting.

In addition, due to the close proximity of neighbouring properties there was a requirement to manage noise during events, and the structure was to be designed to be able to extend over the remaining courts to future-proof the facility.

Outcome

Greenline were approached by the club and worked closely with them to understand their exact requirements, providing extensive design, budget and scoping input right through from the start of the planning process. The completed project makes an instant impact as members approach the facility, with the huge spans and walling infill sections maximising weather protection.

Careful selection of materials ensures excellent natural lighting into the space, and the clear sound-wall boundary improves the amenity for neighbours. The club took advantage of Greenline's project management expertise to upgrade various access pathways, carpark areas and site drainage all as part of the one turn-key project.

Key Design Advantages

- All-weather cover to 2x existing netball competition courts
- Engineering provision for future staging/extension
- Sound wall acoustic barrier to neighboring properties
- 500 lux AS2650.2.4 netball competition compliant lighting
- Full design, project and site management by Greenline

Area Covered

Two competition netball courts

Size

47m x 41m (1,927m²)

Finish

Primecoated and powdercoated
- Windspray

Cover

Colorbond® roof cladding and
Wonderglas infills

Recreation



*"Impressive all weather sports facility
producing extra revenue whilst looking
magnificent – nice multi-tasking!"*

Ben Holt - Project Consultant, Greenline



Case study

Western Sydney University (Penrith, NSW)

Brief

Western Sydney University wanted to generate income from their sports court, and wanted something that looked smarter than the average facility whilst maintaining cost effectiveness.

They needed to maintain good natural light during the day, and lighting to international standards for night-time use.

Outcome

The Greenline curved metal roof structure provides full weatherproof cover all year round, with diffused natural daylight and high-spec LED lighting.

Maintaining international standard clearances over the tennis courts and incorporating retractable basketball backboards.

This is a multi-purpose sports court that every university, school and college should have!

Key Design Advantages

- Clear span
- Diffused natural light
- Bird proof purlins
- LED lighting
- Raised highlight for architectural flair
- Concealed downpipes

Area Covered

Refurbished multi-purpose sports courts.

Size

36m x 32m (1152m²)

Finish

Hot dip galvanised steel

Cover

Colorbond® Custom Orb roof sheeting, including Wonderglas GC skylights



Shade as
unique as
the land
it covers.

Resources

Australia is great value – when they can, people come from around the world to experience our diverse climates, all bundled up on one giant island. The tropical tip, drenched in sun and rain. The harsh southern coasts, battered by arctic winds. We live in a unique, unforgiving landscape, where every inch is more special than the last. But wherever

you go, you'll find sunny spots tempered by the cooling shade and protective canopy of Greenline. Our shade structures are loved throughout the country, because each one is uniquely created with its individual climate, conditions and uses in mind. So you can be sure that every structure is as unique as the place it shades.

► What structure type is right for you?

Your structure will define your space so what would you like it to say?

		Key Design Advantage											
		PVC	Metal (with or without skylights)	Shade Cloth	Sports Court	Quadangle/ Assembly area	Eating and seating	Playground	Pool	Outdoor Learning Environment	Walkways/ Bus shelters	Carpark	Fitness areas/ Urban Spaces
Barrel Vault	Large spans, infinite flexibility.	Large clear spans & high clearance, ambient light, 100% UVR block with the use of PVC SPAN: 6m to 100m (length unlimited)	✓	✓	✓	✓	✓		✓	✓		✓	✓
COLA	Large spans and durability.	Robust, cost effective, excellent vandal resistance. SPAN: 6m to 50m (length unlimited)		✓		✓	✓	✓	✓	✓	✓	✓	✓
Star Structure	One post... massive shade.	Maximum shade with minimum posts. Available with either a centre post or as a cantilever. SIZE: 36m ² to 144m ²	✓		✓		✓	✓	✓	✓			✓
Shade Sail	Cost effective, stylish cover.	Cost effective space, stylish, good UV protection, flexible design. SPAN: 20m ² to 400m ²	✓		✓		✓	✓	✓	✓		✓	✓
Cantilever	More shade, less posts.	Uninterrupted sight lines, with minimal posts. Provides targeted coverage. SPAN: 6m to 10m (typically)	✓	✓	✓								
Hip Structure	Functional cover, traditional style.	Large clear spans & high clearance, ambient light, 100% UVR block with the use of PVC SPAN: 6m to 25m (length unlimited)	✓		✓	✓	✓	✓	✓	✓			✓

➤ Barrel Vault





➤ Star Structure



► Shade Sail



➤ Cantilever



► Hip Structure



➤ Sports and surfacing

Colour Sports Surfacing

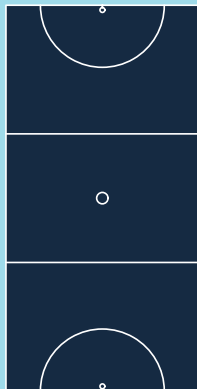
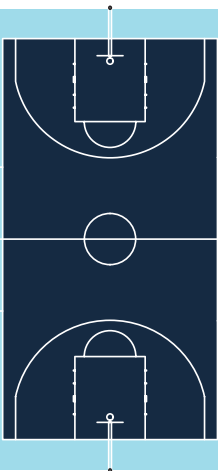
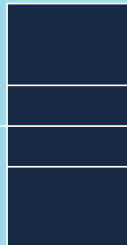
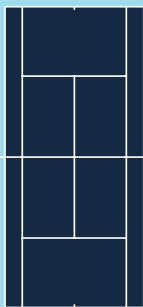
Choosing which sports or activities to cater for, or focus on, in your new facility can be challenging. It is good to start with an understanding of existing facilities, a knowledge of the long-term development masterplan, and an outline of the sports program.

From here, an analysis of user demographics and use cases could be discussed to identify the core sports needed and site specific requirements.

Once the core sports are identified, supplementary sports and activities can be noted for potential inclusion or adaptation.

Kids having fun at lunchtime can be catered for with basketball keys and practice backboards, whereas basketball competitions cannot - always design for the use case and ensure the area is as multi-functional as possible.

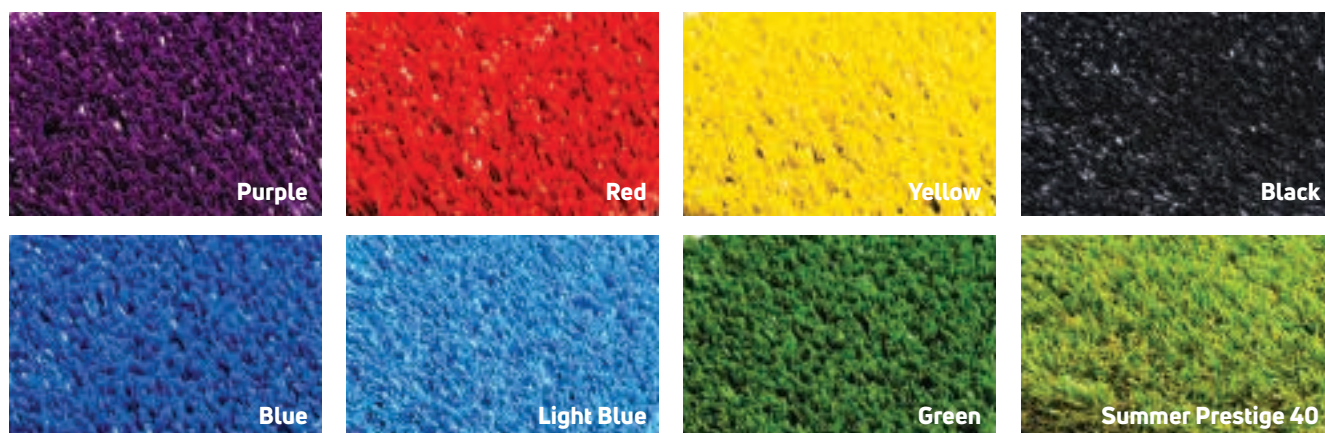
Remember - it is important to keep the area as uncluttered as possible, rather than trying to fit linemarkings for all sports into one area.

				
	Netball	Basketball	Volleyball	Tennis
Competition Size PPA ¹	15.25m x 30.5m	15m x 28m	9m x 18m	10.97m x 23.77m
Competition Size TPA ²	21.35m x 36.6m	19.1m x 32.1m	19m x 34m	18.29m x 36.57m
Competition Runback	3.05m	2.05m	5m (side) / 8m (end)	3.66m (side) / 6.4m (end)
Between Courts	3.65m (side) / 6.1m (end)	4.1m	10m (side) / 16m (end)	7.32m (side) / 12.8m (end)
Competition Clearance	8.3m	7m	7m	Up to 9m over net

NOTES: ¹ Principal Playing Area (PPA) - Area within line markings. ² Total Playing Area (TPA) - Overall surface.



Synthetic Turf

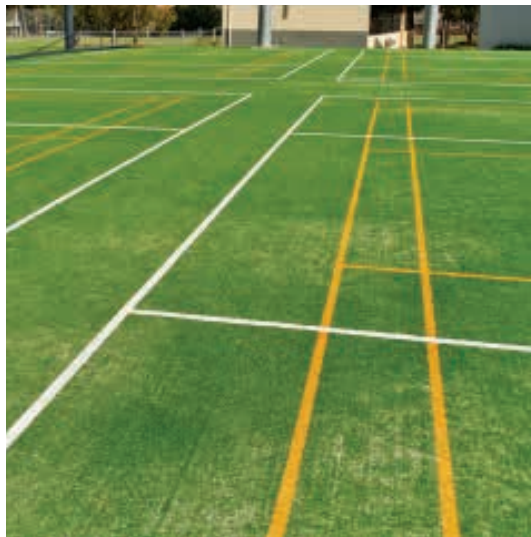


Acrylic Surfaces



Due to printing variances and/or the calibration of your monitor, colours should be regarded as indicative only.

► Surfaces



➤ Sports equipment



► Light, heat & power



► Seating



➤ Stormwater / drainage



➤ Safety & amenities



➤ Sports equipment and enabling works

Greenline has experience in incorporating all manner of sports equipment into a project, from design and engineering to specification and installation. With a wide variety of equipment on the market, it is important to be comfortable that your choice will suit your project's needs, last a long time... and look good. Greenline sources from a wide variety of suppliers across Australia and is well placed to provide expert advice on cost, quality and integration considerations for your chosen equipment.

Keeping an area flexible is often important, therefore removable, swing-away or fold up equipment is often specified so an area can be used for more than one activity or sport. Often structures are designed and engineered to have sports equipment attached, and usually that equipment is suspended from the roof, so it is important to get the inclusions and design right from the start.

Sports equipment you could consider includes:

- **Basketball backboards** - either fixed, rotatable, swing-away or roof mounted
These can be acrylic, glass or timber. Remember to consider for the age group - it may be desirable to add some practice backboards at a lower height (2400mm or 2700mm) instead of the competition height (3050mm).
- **Netball posts** (often removable)
These can be combined with a rotatable basketball tower or be freestanding.
- **Portable or fixed soccer or five-a-side goals**
- **Tennis and volleyball posts and nets**
These can be combined on multi-purpose posts, as can badminton.



Incorporating any additional planned works upfront can reduce cost and reworks, ensuring the project is totally functional from day one. Ensure you consider all uses of the proposed space and plan accordingly.

The most common trade integration is electrical & lighting - Greenline designs sports lighting systems in-house to comply with Australian and International Standards such as AS2560 and EN 12193 to ensure that sports can be played during times of low light, or at night.

Other common trade integrations include:

- GPOs and USB charging points
- Audio & PA systems
- Stormwater drainage
- Data points/ WiFi

Also common and often overlooked:

- Rubbish bins
- Sports storage sheds
- Grandstand tiered seating
- Bench seating - fixed or removable
- Water bubblers/ refill stations
- Wayfinding/ branding signage
- Footpaths
- Covered access ways

In sports-dominated areas, it may also be desirable to incorporate:

- Ball netting
- Post pads
- Scoreboards

Feel free to discuss your plans with us so we can help advise what products are available.

➤ Financing or leasing

Interested?

We've got you covered!

Our carefully crafted shade structures have been created to keep Australians playing outside, while also keeping them safe from the Aussie sun's unforgiving glare. But even the best of intentions can only go so far without the cash to support them. So we've come up with financing solutions to help shade schools and sports areas straight away, without breaking the bank. Protect your students and players and bit by bit, put a little cash away for a shady day.

We pace out the payments, so your users don't pay the sun's price.

When it comes to sun-safety, planning today and acting tomorrow isn't an option. That's why we've introduced a paced-out payment program to shade your outdoor areas sooner. We're ready to front the cost for your shade so you can own it straight away, then lay down the payment in installments. Slow and steady is fine by us, because as soon as we get shade over peoples' heads, we know the race is won.

Shelter from costs. Hire shade today.

When the sun's beating down but a lump sum payment just isn't possible, we're here to help. Hiring a shade structure from Greenline lets your users experience the great outdoors without delay – and without feeling the wrath of the afternoon sun. And if your organisation wants to buy the shade structure down the line, we're here to support that decision. After five years just pay an additional fee and the shade is all yours. Meanwhile your higher purpose is accomplished: shielding Australian from the unforgiving sun.

Grants

Where to find them and how to get them.

We recognise that funding for projects can often put a strain on budgets and finding the right grant can be difficult (not to mention having to put the grant together!) We have put a lot of effort into helping our clients find grant options and we have also run workshops to help everyone become more successful in being awarded the grants they need.

The biggest take-home that we have found the participants have had is the preparation before searching for a grant. We have a template that we are happy to share. (If you would like to get a copy - jump on our website and download yours for free). We also have downloadable fact sheets to help you along the way.

There are several different grants available at any given time, and they can be found in various places.

Where/how to find grants

- Make a list of any government agencies your organisation may deal with and ask them about available grants. It is also a good idea to search their websites for any grants that may be on offer.
- It's recommended to apply for grants from organisations that specialise in your area of expertise.
- List other not-for-profit organisations that share your expertise/interests and find out any information about grants they have attained.
- Talk to your local council representatives and enquire about grants on offer in your region.
- Communicate with your state or federal MP to learn about any government grant programs.
- Actively attend any seminars or presentations from grantseekers/grant writers.

Some specific places to find grants:

- Clubs NSW Funding:
<http://www.clubsnsw.com.au/community/clubgrants>
- Federal Government Grants:
<http://www.australia.gov.au/search/site/grants>
- State Government Funding
- Subscription to the Busigrants newsletter:
www.ourcommunity.org.au
- Probono Australia: www.probonoaustralia.com.au
- Philanthropy Australia: www.philanthropy.org.au
- The Myer Foundation: <http://myerfoundation.org.au/grants/>
- Department of Defence, Community Group Funding:
<http://www.defence.gov.au/dco/community.htm>
- IOOF Foundation:
http://www.iooffoundation.org.au/our_grant_program
- Greater Charitable Foundation:
<https://www.greater.com.au/charitable-foundation/funding>

or head to our website to find a link to all of these
www.greenline.com.au/grants

Warranties

You're covered!

Exceptional Warranties

Greenline warrants your structure to be free from defects in materials and workmanship from the date of purchase and when used as per the attached Greenline Maintenance Manual.

We will repair or replace any item covered by this warranty. Because our products are outdoors and parts of them are designed to wear, the warranty coverage varies by type of part.

Of course there are a few things we can't cover, such as extreme weather conditions, fire and unauthorised modifications, but we spell all of these out in our warranty brochure.

Please ask us and we'll be happy to forward you a copy!



Our Greenline TRIPLE-Protection commercial warranty is as much a part of your purchase as the structure itself.



STRUCTURAL COVERAGE For all STRUCTURAL elements - including posts, edge beams, cleats and footings.



SHADE COVERAGE For all shade cover of all types.



COATING COVERAGE When the recommended coating for your area is installed.

PLEASE NOTE: If you're in a coastal area all parts MUST be coastal rated - this is very important for your warranty coverage.

Industry Benchmark Standards

We're never satisfied with casual, careless or superficial. When it comes to shade, we won't settle for anything less than long-term. It has to be the perfect marriage of function and form. So we set out to raise the industry benchmark for safety, quality and environmental standards through independent assessment. Yep, we actually choose to be audited. We renew our vows every year, to make sure our structures last the test of time.

What does this mean?

The ISO ensures that all of Greenline's processes as a company, from initial concept development through to the installation and finance are documented as formal procedures.

What's in it for you?

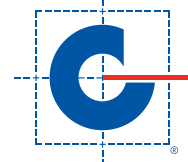
Peace of mind. The assurance that you're working with a company committed to protecting you, your staff, your clients, the environment, and their own team.

What does it include?

It includes everything about Greenline. It includes the look of our website, the way we answer the phone, the concept development of your project, the research and development of our products, the engineering of your structure, the way we dig our footings.



JAS-ANZ



► Maintenance

For peace of mind and long-term enjoyment of your shade structure.

Periodically inspecting and cleaning your shade structures each year, and keeping a record of your maintenance requirements, will ensure you benefit from and enjoy the most out of your shade structure for years to come.

Key Advantages

- ✓ Enjoy the full life of your structure
- ✓ Reduce likelihood of repairs in future/premature failure
- ✓ Peace of mind

What we offer

Greenline can assist you with all your structures maintenance needs including monitored recommendations, repairs, cleaning and replacements.

Recommendations & risk factors are outlined to make accurate ongoing maintenance decisions.

- Shade Condition Report
- Shade Condition Inspection & Report
- Shade Re-tension Maintenance
- Shade Cleaning
- Annual Package Maintenance Inspection- 1-5yr Package Options available

The report includes detailed site inspection notes regarding the condition assessments made for the fabric, hardware, structure and surface coating. Photographic evidence is also gathered for all structures.

► Colour

Combinations borrowed from Nature's palette.

Colour engages thought

Colour creates energy

Colour blends make your space shine

*Colours are indicative. All effort has been taken to represent actual colour. Colours can appear different when in larger areas. Chat to us for examples. Samples can be provided.



Seascape

A calm neutral palette

Commercial Heavy 'Brunswick Green'

Commercial 95 'Steel Grey'

Dulux Duralloy 'Oyster'

Dulux Duralloy 'Pearl White'



McCaw

Creating a splash of colour

Commercial 95 'Aquatic Blue'

Commercial 95 'Yellow'

Dulux Aphatec 'Lemon Yellow'

Dulux Duralloy 'Oyster'



Native Australia

Mimic our beautiful landscape

Commercial 95 'Cayenne'
 Commercial 95 'Gun Metal'
 Dulux Duralloy 'Windspray'
 Dulux Duralloy 'Surfmist'



Melbourne Streets

Vibrant, welcoming and fun

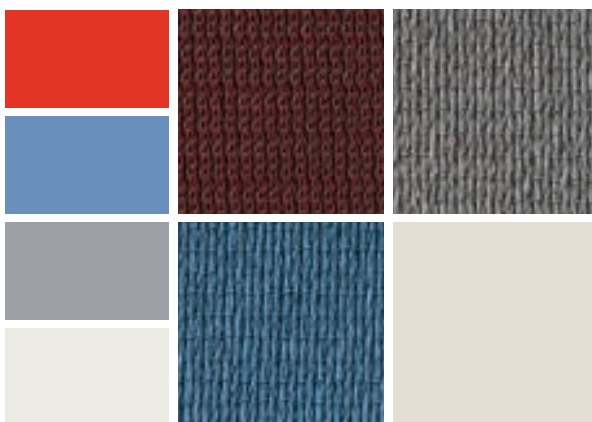
Commercial 95 'Cherry Red'
 Commercial Heavy 'Charcoal'
 Dulux Alphatec 'Dark Violet'
 Hot dip Galvanised



Murrumbidgee

Our backyard beauty

Commercial 95 'Steel Grey'
 Commercial 95 'Natural'
 Dulux Duralloy 'Dune'
 Dulux Duralloy 'Shoji White'



Solidarity

Space and place

Commercial Heavy 'Deep Ochre'
 Commercial 95 'Steel Grey'
 Commercial 95 'Sky Blue'
 Dulux Duralloy 'Shoji White'

► Colour Fabric swatches

Commercial 95



Please note: All effort has been made to display colour as close to actual fabric colour choice. Colour will vary between printed colour and actual fabric. We can send you a fabric colour sample.




All fabric colours are also available as fire resistant.



Commercial Heavy

 Black	 Natural	 Purple
 Orange	 Emerald	 White
 Aquatic Blue	 Green	 Brunswick Green
 Charcoal	 Deep Ochre	 Desert Sand
 Navy	 Red	 Steel Grey
 Yellow		

Please note: All effort has been made to display colour as close to actual fabric colour choice. Colour will vary between printed colour and actual fabric. We can send you a fabric colour sample.

 All fabric colours are also available as fire resistant.

► Colour

Steel powder coating

Colorbond®

Contemporary Range

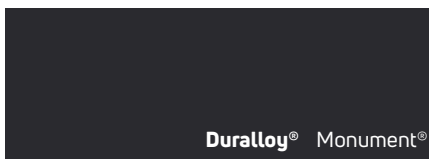
 <p>Duralloy® Basalt®</p>	 <p>Duralloy® Cove®</p>	 <p>Duralloy® Dune®</p>
 <p>Duralloy® Evening Haze®</p>	 <p>Duralloy® Gully®</p>	 <p>Duralloy® Ironstone®</p>
 <p>Duralloy® Jasper®</p>	 <p>Duralloy® Mangrove®</p>	 <p>Duralloy® Monument®</p>
 <p>Duralloy® Shale Grey™</p>	 <p>Duralloy® Surfmist®</p>	 <p>Duralloy® Terrain®</p>
 <p>Duralloy® Wallaby®</p>	 <p>Duralloy® Windspray®</p>	



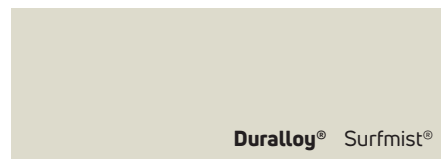
Ultra Range



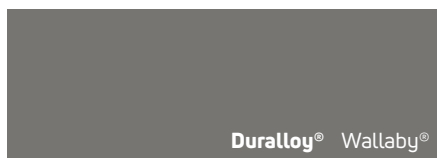
Duralloy® Dune®



Duralloy® Monument®



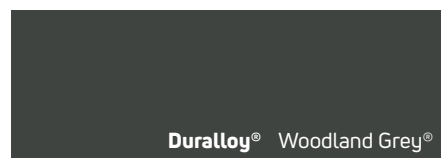
Duralloy® Surfmist®



Duralloy® Wallaby®

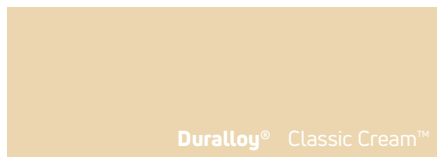


Duralloy® Windspray®

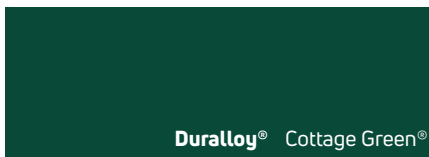


Duralloy® Woodland Grey®

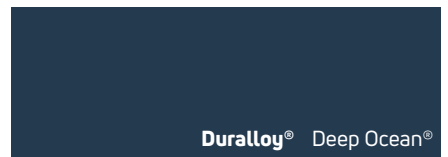
Classic Range



Duralloy® Classic Cream™



Duralloy® Cottage Green®



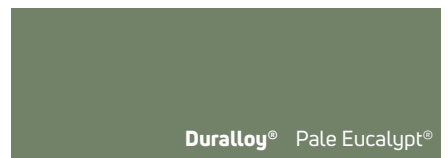
Duralloy® Deep Ocean®



Duralloy® Manor Red®



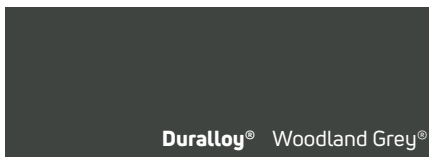
Duralloy® Night Sky®



Duralloy® Pale Eucalypt®



Duralloy® Paper Bark®



Duralloy® Woodland Grey®

► Colour

Steel powder coating

Neutrals

Duralloy® Wilderness	Duralloy® Weathered Copper	Duralloy® Shoji White
Duralloy® Rivergum Beige	Duralloy® Off White	Duralloy® White Birch
Duralloy® Primrose	Duralloy® Oyster	Duralloy® Notre Dame
Duralloy® Magnolia	Duralloy® White	Duralloy® Wedgewood
Duralloy® Stone Grey	Duralloy® Riversand	Duralloy® Pearl White
Duralloy® Olde Pewter	Duralloy® Light Grey	Duralloy® Hawthorn Green
Duralloy® Charcoal	Duralloy® Bright White	Duralloy® Black Night Sky
Duralloy® Berry Grey	Duralloy® Barley	Duralloy® Deep Brunswick Green
Duralloy® Classic White	Duralloy® Canola Cream	Duralloy® Blue Ridge
Duralloy® Black	Duralloy® Barrister White	Duralloy® APO Grey



Brights

Alphatec® Transformer Grey	Alphatec® Yellow Gold	Alphatec® Signal Red
Alphatec® Pommel Blue	Alphatec® Navy	Alphatec® Lemon Yellow
Alphatec® Flame Red	Alphatec® Copper Pearl	Alphatec® Blaze Blue
Alphatec® Space Blue	Alphatec® White	Alphatec® Safety Yellow
Alphatec® Orange X15	Alphatec® Mistletoe	Alphatec® French Blue
Alphatec® Dark Violet	Alphatec® Anodic Bronze	

Meet our team

Greenline is a dynamic and growing family business but remains grounded with our values of leadership, trust and excellence. We're collaborative and fun yet focused. We take our work seriously but not ourselves. While regionally based, our projects are delivered coast to coast, and our structures would stand up anywhere in the world.



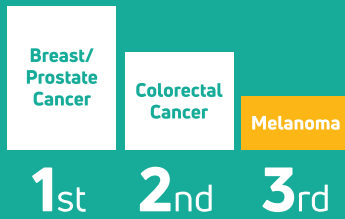


Supporting a brighter future



The southern sun has a serious bite, causing one of the highest skin cancer rates in the world. To keep Australians healthy and safe Greenline is pleased to support charities like Melanoma Institute Australia who help soften the sun's harsh rays with their world leading research and clinical trials. Our loyal clients have helped us build a business providing shade solutions for two generations. That's why it's our duty to make sure future generations can enjoy the great Australian outdoors, without the bite.

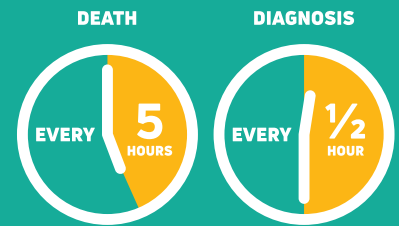
Facts and Statistics



Melanoma is the **third most common cancer** in both Australian men and women after prostate/breast cancer and colorectal cancer.



Melanoma is the **most common cancer** affecting 15-39-year-old Australians.



One Australian dies every five hours from Melanoma and **one Australian is diagnosed every half hour** with Melanoma of the skin.

Our support of Melanoma goes towards research and clinical trials, and is making a difference.



Over the past five years, the use of **surgery plus additional treatments has significantly extended life expectancy in people with advanced disease** (where the melanoma has spread to other organs). These treatments include targeted therapies (modifying the actions of specific genes) and immunotherapies (modifying the actions of the immune system). Radiotherapy can also reduce recurrence rates.



In a recent MIA-led trial, researchers have made a major breakthrough by **tripling the life expectancy** for some advanced melanoma patients. However many others are not responding to new treatments and further research is vital.



Statistics sourced from melanoma.org.au



greenline.com.au



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