



**placemaking  
services**



# Welcome to the home of nature based placemaking

People want to surround themselves with nature. The desire to feel calm and peaceful, to escape the stresses of everyday life, to connect with the natural world and its beauty, and to improve their mental and physical health. We strive to create these environments.

Plantabox offers innovative and sustainable solutions for delivering free-standing green infrastructure to areas where access to green space is limited. This involves Plantabox products combining and being placed in urban environments without excavation or penetration.

Our nature-based approach creates an ecosystem that enhances the aesthetic appeal of local neighbourhoods and also reduces ambient air temperature and heat penetration, effectively mitigating urban heat islands.



For placemaking, local communities gain opportunities for relaxation, social interaction and physical activity which can help reduce stress, and improve mental health. For local business there is increase in patronage and revenue. For local government a flexible way to test community attitude to permanent changes in infrastructure usage.

Overall, Plantabox is committed to creating sustainable solutions that benefit both people and the environment



# Urban Parklets

In all towns and cities there are areas of poor public design. These areas may be lacking in greenery, be stressed due to urban heat island effect, lack public seating or have no components to attract the local community to dwell, shop local, exercise or just appreciate the outdoors. Placemaking is the discipline of changing an area to overcome these elements.

Custom made, free standing and very versatile in the way they can be used, by supplying Urban Parklets we provide a great solution to open areas where there is greyscape areas with little or no greening. The parklets are not only inviting but also create unique engagement points for themed gathering and community events.



Our free standing Urban Parklets require no excavation or surface preparation. They will not scratch the underlying surface. They have storm water drainage to allow water to flow unimpeded underneath the parklet. The parklet facading and edging is able to be customised to match the local architecture of an area. All planters and garden trays have internal water reservoirs and wicking systems that capture rainwater and minimise water maintenance. No top watering is required.



We have installed Urban Parklets for multiple councils to help place make areas to;

- reduce ambient heat traps
- change community usage of an area
- bring in nature and greenery
- increase seating
- increase dwell time
- themed parks targeting certain demographics
- enable a space for other services to activate such as library readings, busking, performances.
- educate public on good water usage and best plants to grow
- indigenous plants and their uses.





## Road & Cafe Parklets

There is a global move to reclaim the streets from vehicles back to pedestrians. A common solution is the conversion of car spaces to public spaces by converting these to outdoor dining areas, public gathering area and relaxation and green zones. These areas are commonly referred to as road or cafe parklets or pop-up parks.

Plantabox was one of the first businesses in Australia to specialise in the design, manufacture and delivery of these parklets. We have developed a large suite of green infrastructure that can be combined in multiple configurations to block one to many car spots.





The main design hurdles for parklets placed in car spaces is

- the interaction zone between passing vehicles and public using the parklet
- storm water flow
- trip hazards and level surfaces
- hostile environment for plants
- maintenance

We continue to place large emphasis on R&D to overcome these hurdles so we can provide different options for our clients to implement.

Our philosophy has been to design free standing green infrastructure based around 1.2m dimensions that enables all our products to be combined to form various configurations.

All elements have levelling capabilities and are manufactured using Australian materials that are hard wearing requiring minimal maintenance.

All our planters and plant trays have internal water reservoirs and wicking systems to ensure maximum plant health and reduce water maintenance and usage.

For storm water and water runoff our products have free drainage built underneath to prevent water back up and rubbish trapping.

Being individual units the space can be easily reconfigured if the original design needs altering after community or local business feedback.





For providing a visual, safety barrier from vehicles to the parklet we supply a number of products. The local road speed and passing distance of vehicles from the parklet determine the require product. We supply the PlantabARRIER system, sandstone logs, bollards, jersey kerbs and timber, wire and rope fencing options.



# Road Closure Parklets

There are many streets and lanes within our urban areas that are more suited to becoming a piazza or town square than a traffic thoroughfare. Getting buy in from locals to close a road can be challenging. Offering to undertake a short term trial is an easier way to win over support. This gives the public a chance to experience the benefits over a short term to validate a permanent full closure.







Road closures can take many formats from very short term pop up parklets to longer term infrastructure and greenery.





# Floating Gardens

We specialise in creating floating gardens that are placed directly onto a built surface. The advantage of a floating garden is that they enable the creation of bespoke shaped garden perimeters. They also have the added advantages of;

- **Environmental Benefits:** Floating gardens can help to mitigate the urban heat island effect by absorbing heat and releasing oxygen. They can help to reduce storm water runoff, improve air quality, and provide habitat for birds and insects.
- **Improved Aesthetics:** A floating garden can transform an unused, unattractive space into a beautiful and inviting green oasis.
- **Community Building:** Floating gardens can bring people together, fostering a sense of community and providing opportunities for social interaction and recreation.





Unlike our Roof top gardens, Floating Gardens are built from scratch on site. The secret to their success is the use of placing water reservoirs and wicking under the entire structure.

This provides;

- a thermal buffer to the soil layer
- captures rainwater
- irrigation
- ensures healthy plants.

Water maintenance is made easy by a single connection refill point to refill the reservoirs directly.

Mounding and topography can be built into the gardens and both turf and plants grow successfully. We have also planted native and remnant native vegetation that has successfully taken in the garden trays and tree planters.





# Roof Top Gardens

Roof top gardens have many benefits. Our roof top gardens can be retrospectively installed or designed into new builds.

- Environmental Benefits: Rooftop gardens can help to mitigate the urban heat island effect by absorbing heat and releasing oxygen. They can also help to reduce stormwater runoff, improve air quality, and provide habitat for birds and insects.
- Food Production: Rooftop gardens can be used to grow fresh fruits, vegetables, and herbs, providing a source of healthy, locally grown food.
- Improved Aesthetics: A rooftop garden can transform an unused, unattractive space into a beautiful and inviting green oasis.





- **Energy Savings:** Rooftop gardens can help to insulate buildings, reducing energy consumption and lowering heating and cooling costs. We undertook research with the University of Technology, Sydney and found that the Plantabox system can save up to 71% of a 3 story buildings air-conditioning costs over the summer months or 37% of electricity costs annually.
- **Community Building:** Rooftop gardens can bring people together, fostering a sense of community and providing opportunities for social interaction and recreation.

For greening roofs, the current market option is to build a roof top style garden where if there are any issues, such as a water leak, to gain access the surface below the garden needs to be excavated. To gain easy access, each Plantabox unit as can be lifted and moved with a pallet jack. This also has the advantage for retrofitting as you can take trays up goods lift and deposit directly onto the roof.

Our system has been designed with an internal refill system that fills each tray independently greatly reducing leaks. We have undertaken 3 years of research into plant selection and know what works and doesn't to give long term plant survival rate.





## Event Hire

We hold a wide variety of stock with mature plants at our depot that we use for rental or event hire. If you are wanting to bring greenery, cooling, colour to help create natural zones within your event please get in touch.









# Contact us for ideas and concepts

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For portable single unit parklets check out our People Parkers range  
[www.peopleparkers.com](http://www.peopleparkers.com)

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'In the spirit of reconciliation the Plantabox acknowledges the Traditional Custodians of country throughout Australia and their connections to land, sea and community. We pay our respect to their Elders past and present and extend that respect to all Aboriginal and Torres Strait Islander peoples today.'