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# Eco Structures Australia *THE \$4\$TEM*

# fo BEYOND

Eco Structures Australia designs, manufactures and supplies cost-effective, environmentally sustainable accommodation, strategically designed to help resort owners and operators capitalise profitably on the rapidly growing demand for unique, experiential eco travel concepts. Led by our flagship Eco Tents glamping product, our ability to understand the demands of modern accommodation needs has seen us become an international leader, from Australia to the USA, Asia, Europe and beyond.

We believe ecotourism doesn't just allow travellers to see beautiful destinations - it reminds us all how important it is to preserve the precious natural ecosystems, biodiversity, and culture for travellers, its community and the environment itself.

# BEHIND THE SYSTEM

WABi Group was born in Fremantle, Western Australia. Our companies span the entire building process, from design, manufacturing & construction.



ECO STRUCTURES

# Karl Plunkett / Director & OWNER

Karl Plunkett goes by many titles. A Developer, who established successful building company, Australian Eco Constructions, in 1996. An Owner, specifically of Eco Beach in Broome where he first commenced working on the prototype eco tents, eco modules and gazebos. But above all, he is a Discoverer; this drive lead Karl to building the Eco Structures modular construction methodology.

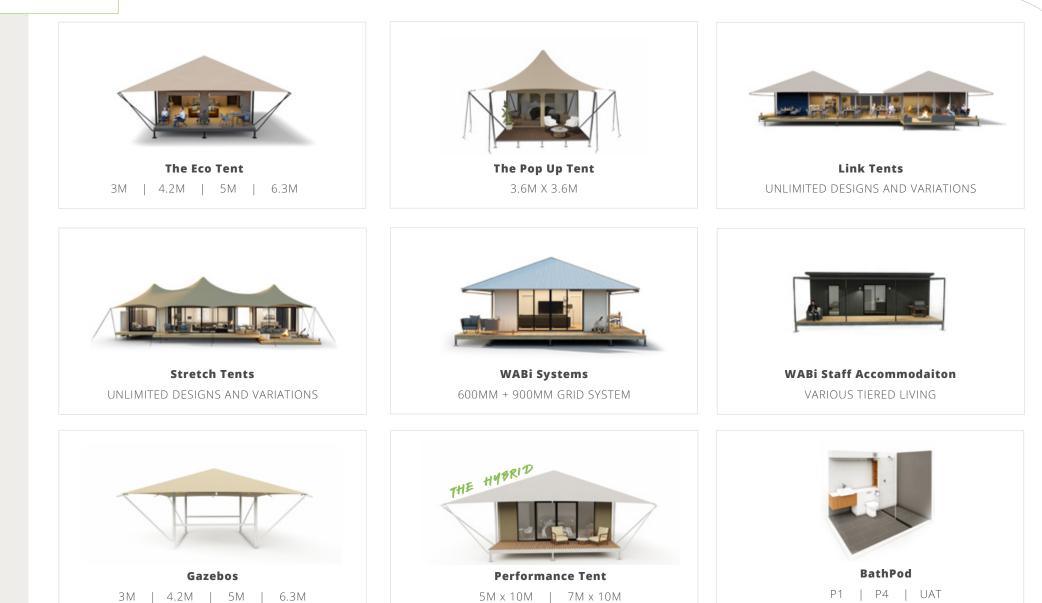
When others ask, "Are we there yet?", Karl asks "Where to next?". With a motto of building for the future, Karl draws on more than 25 years of building and construction experience matched with a proven ability to complete projects on time and within budget to understand the unique challenges of tourism developers looking for cost-effective solutions based on environmentally sustainable principles.

For Karl, designing Eco Structures is about seeing the world through the eyes of his clients in order to expose travelers to new experiences, teach life lessons, 'switch' off, disconnect, and reconnect with nature. It's all about reciprocal trust – by making people available, standing by his product and doing the right thing first time, Karl creates platforms to create powerful experiences that burn into traveler memories.



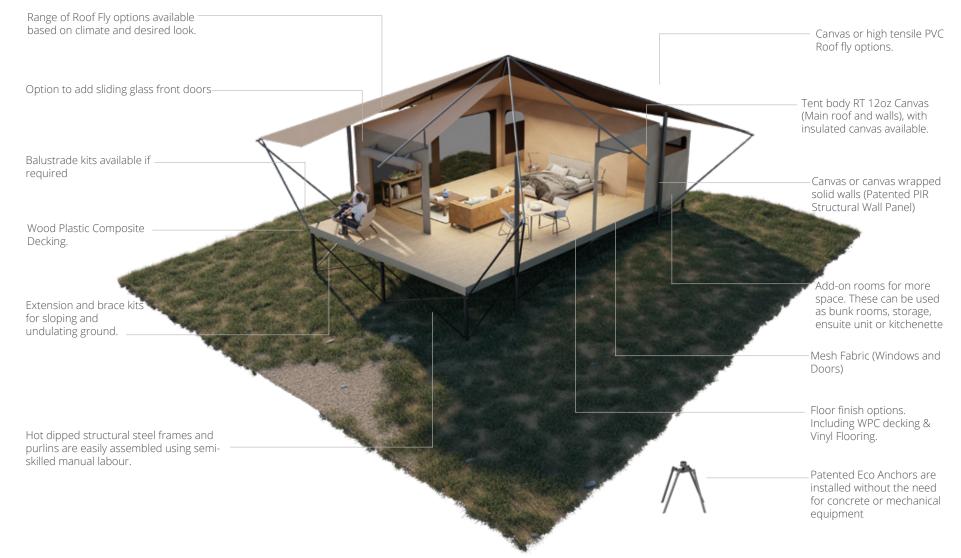


OUR PRODUCTS





# THE ECO TENT



# WABI GROUP

With our affiliated companies we can provide more than just tents! The WABi Group spans over multiple services, helping our clients to create high end experiences with one point of contact.

The following is a general list of paid services The WABi Group provide:

- Staff Accommodation
- Windows & Door Manufacturing
- Installation & Trades
- Consultation on infrastructure
- 3D Renders
- Proposals
- Site Feasibility Study
- Masterplan- Preliminary / Detailed
- Consultant managemen
- Design development
- DA Coordination & submission
- Construction detailing
- Building approval
- Tender application & negotiation
- Interior design concept
- Furniture & finishings supply
- Contract administration

SIMPLER. SMARTER. STRONGER

A high quality, rapid and eco friendly patented building system designed for the tourism, staff accommodation and housing industries.

CONSTRUCTIONS

A construction company for over 30 years. Specialising in resorts, residentials, government housing and commercial buildings. W ABB

WINDOWS

A residential and commercial window

manufacturer. Specialising in Vantage by

AWC Window Systems.

A design and architectural service, offering design exploration, master planning, building approvals, render packages and interior services.

# IMPACT AREAS

We aim to proactively identify opportunities that will deliver long-term prosperity to our clients, staff, communities, lands we work on and the construction industry.



## **Biodiversity Protection**

Innovative Experiential Travel

culture and the customs of the people.

Our Eco Anchor and Lift and Brace Kits are innovative concrete free foundation systems. They are environmental protectors, permitting minimal impact to the ground surface, the small footprint allows natural flora and biodiversity to be retained.

Our philosophy is to provide a true quality connection to nature and remove the

gain insight into natural untouched environments, and their biodiversity, history,

stress from everyday life. Through sight, hearing, touch, taste and smell, visitors can

#### Sustainable Design

1
- 2

Our system has unlimited flexibility, this permits designs to accommodate unique site features, topography, sun angles, cyclonic winds, accessibility, and future needs. We design for maximum volume with a minimum footprint.



#### Carbon Footprint Reduction

We have designed a building system that can be entirely freighted flat packed. This reduces the carbon emitted through trucks, ships and large machinery needed to be used on typical construction projects.

#### Waste Minimisation



Eco Structures tents have been sensibly designed for engineering efficiency. The entire system is optimised to reduce steel over usage and eliminate wastage on site. Every part is manufactured with extreme precision, is endlessly recyclable and has unbeatable durability.

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### Reduced Inequalities

We are committed to co-designing with the community. We do this by ensuring all stakeholders are treated as equal collaborators, continual learning, understanding, and listening and engaging in community events and design forums.



#### Promoting Skills Growth

Eco Structures simple construction process promotes new skills growth, increases labour jobs, stimulates the remote economy, and allows the communities to enjoy the job satisfaction of building their own home.



#### Affordable Price Point

Less materials, minimal site works, minimal machinery and low trade skills all contribute to how we are able to achieve an affordable housing solution. We draw from the latest industry price standards and our combined building knowledge to ensure we are delivering our promise.



#### Sustainable Materials Management

Our materials are durable, require little maintenance, create less waste and allow us to continue having a sustainable production line. We continually collaborate with and visit our suppliers factories to have assurance our suppliers reach business, quality, environmental and social standards. To measure and ensure strong supply chain transparency we rely on international third-party certifications.

#### Quality Assurance



We are internationally certified to comply with the requirements of ISO 9001:2015 quality management system. We continually demonstrate we provide products and services that meet and exceed customer and regulatory requirements.

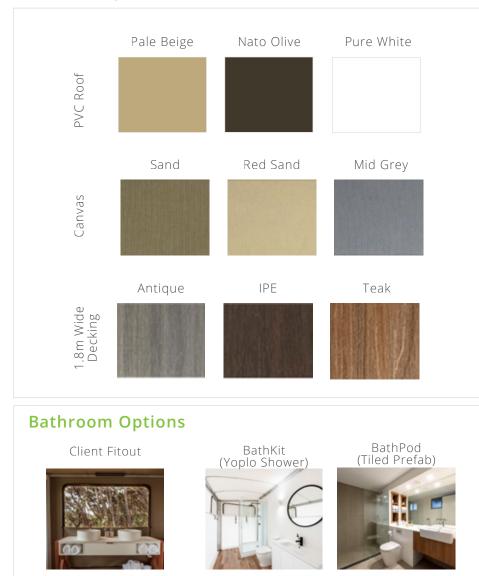




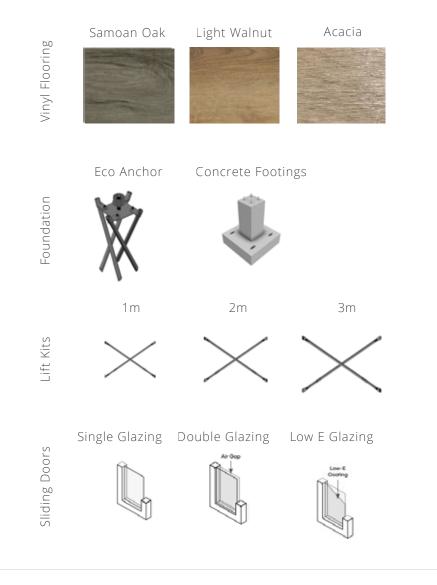


# Specification Options- THE ECO TENT

**Included Specifications** 



**Additional Extras** 



Supply- INCLUSIONS

We INCLUDE almost everything you need to develop your project.

# **PRODUCT INCLUSIONS**

- RT12 Canvas Walls and Ceilings
- PVC Fly Roof / OR Stretch Roof
- Floor joist and bearers galvanised 200C
- Steel structural frame hot dipped galvanised steel
- All fixing required for install.
- 1.8m front deck w/ WPC boards
- Sliding Glass Front Doors

# **EXTRAS**

- Balustrades
- Stairs
- Vinyl Floorirng
- Eco Anchors
- Lift Kits

*Eco Tents are supplied to lock up stage. Tents require the following:* 

- Electrical wiring, switchboard, fixtures & fitting
- Plumbing fit outs (other than those supplied in bathroom kits or bathpods)
- Cabinetry (Robes & Kitchen Cabinetry)
- Kitchen appliances
- Connection to all services as required by the client

# SERVICE INCLUSIONS

- Warranties
- Architectural & Engineering drawings
- Additional architectural services (paid)
- Shipping support to your choice of port (additional charges)
- Local transport from port to site (To be advised as per country & project specifications)

# SERVICE EXCLUSIONS

- Import duties & clearance
- Connections to power, water and other infrastructural needs
- Land & Access- Site preparation as per our suggestions
- Local Labour- Eco Structures can provide construction managers

# WARRANTY

# 10 YEARS

5 YEARS



Floor Joist and Bearers- Blue Scope Lysaght 200C

25-50 Year Estimated Life

**10 Year Limited Warranty** 

20 Year Estimated Life



Eco Anchor 10 Year Limited Warranty 50 Year Structural Design Warranty



RT12 Canvas

**5 Year Limited Warranty** 10-12 Year Estimated Life



Flooring WPC External Board 5 Year Limited Warranty 10 Year Estimated Life



# Eco Structures THE SYSTEM

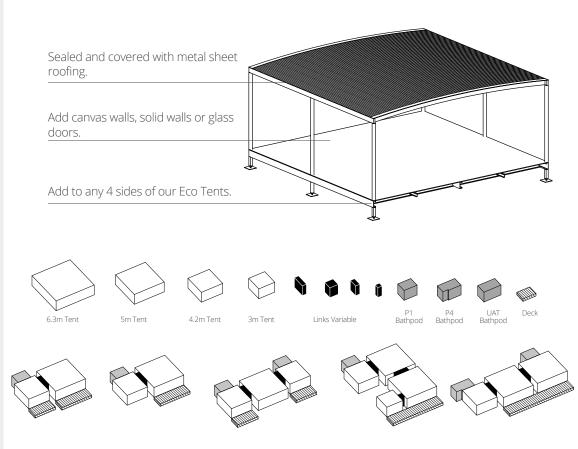


# Lets Get MODULAR

# Think BIG! We offer modular flexibility of design and limitless combinations.

Each of our standard Eco Tents can be seamlessly joined together, to create larger spaces with our innovative Link (below). Links are perfect to create central facility buildings, cafes, bars and restaurant venues. Or alternatively, as an additional living space, such as a lounge or dining room in multiple bedroom units.

This modular system, offers endless possibilities to tailor our system, to individual client needs.







# CANVAS

Eco Structures' canvas supplier is one of the largest manufacturers and exporters of technical textiles from India. They are a professional, privately held, fast growing family run organization who are very proud of their extraordinary workforce of over 500 employees. Team members are young and committed towards making the best quality fabrics in the world.

Founded in 1974, they are specialized manufacturers of dyed, coated, waterproof, fire retardant and wax finished textiles. All products are designed to perform under tough weather conditions around the globe, all products comply with specific American, Australian, British Standards and other International Standards.

# WARRANTY

- 5 Year Limited Warranty
- Estimated life 10-12 years

# CERTIFICATIONS

- ISO 9001 Certified Quality Management System
- GOTS Certified Global Organic Textile Standard
- REACH Compliant





# PVC ROOF FLY

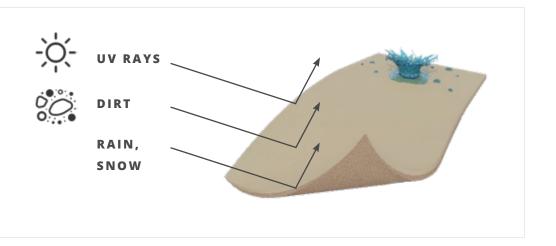
Eco Structures' PVC Roof structures are all weather organic membranes that are manufactured for maximum functionality, reliability and longevity. Our fabrics have been tried and test for many years, making them the leading choice for tent roof fabric.

# **KEY BENEFITS**

- Easy to repair & clean outer layer
- Water repellent- ensuring quick run off and fast drying times
- Prolonged tent lifespan
- No weight difference after application

# QUALITY AND PERFORMANCE

- 100% Water Proof
- Mold & Fungal Inhibitor
- Fire Retardant
- Multiple Colours Available



ECO ANCHOR

The Eco Anchor is patented technology that offers an innovative foundation system for our cabins and tents and eliminates the requirements for cast in situ concrete footings.

The Eco Anchor system has the following advantages:

## EASE OF INSTALLATION

Quick installation. No requirement for excavation plant or concrete materials.

## **GROUND SUITABILITY**

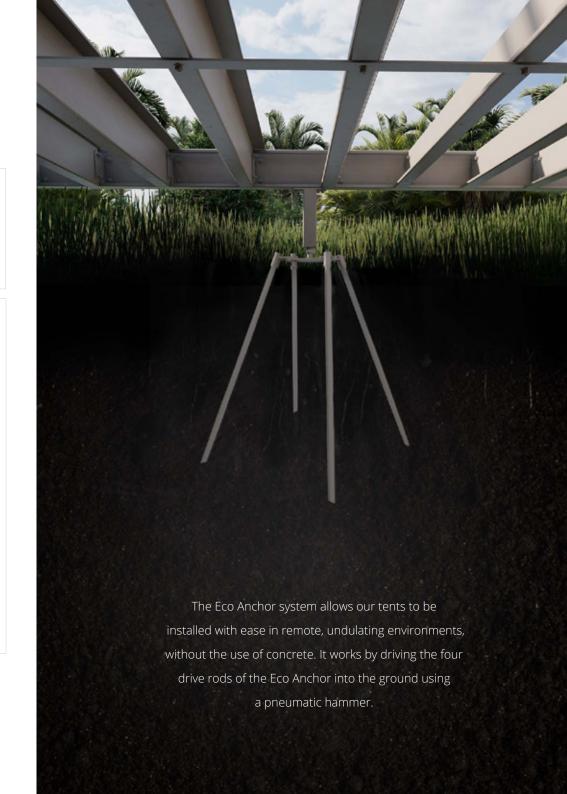
The Eco Anchor system can be installed in a range of ground conditions without ground levelling. Horizontal and vertical adjustment ensures buildings are installed level.

### **ENVIRONMENTALLY FRIENDLY**

Minimal impact to the ground surface combined with a relatively small footprint makes this an environmentally friendly foundation system.

### **COST EFFECTIVE**

Eco anchors can be installed at a fraction of the cost of conventional footings.





STRUCTURAL STEEL

Eco Structures uses galvanised steel framework, making it extremely robust and naturally termite, mold, rust, rodent and mildew resistant. Structural Steel has the following advantages:

### STRUCTURAL INTEGRITY

All of our products are manufactured to comply with the Building Code of Australia (BCA) standards and engineered to be capable of meeting the maximum cyclonic wind rating of Australia for any structure (Region D), and BAL 40 Flame Zone. This makes them the strongest structural system components currently available on the market.

### DURABILITY

All the steel components used are fully hot dip galvanised, giving our structures an unbeatable durability. Purlins are coated to Z350 w and upgraded to Z450 in marine locations.

### SUM OF PARTS

Our patended parts are transported separately and stitched together on site; using our customised installation assembly drawings.

## MINIMAL WASTE

There's no waste because all components are cut to length with computer controlled engineering.

### WARRANTY

Structural hot dipped galvanised steelworks: 10-year limited warranty, with an estimated life of at least 25 to 50 years Floor joist and bearers: Blue Scope Lysaght 200C: 10-year limited warranty, with an estimated life of 20 years



LIFT KITS

The Eco Structures Lift & Brace kits are designed to provide strong, safe and levels bracing for the structures, independent of the site profile. With the help of these kits, the Eco Structure system allows the client to customise their living experience, taking in previously unattainable views and expanding on their living space, regardless of the landscape limitations to conventional

### SIZES

construction.

Our telescopic braces are available in three standard length of 1, 2 and 3m, which are further adapted and cut to the exact size required to fit the ground profile and to provide the desired elevation

## PROFILES

The Lift kits are available for square (BS), round (BR) and square & round (BSR) poles.

## PROTECTION

Lift and bracing kits are popular for those living in a flood zone. It protects the home from severe weather conditions, natural disasters and improper drainage.

## EXPANSION

Tent raising is an excellent way to not only build more space into your accommodation but also provide a space for you to stay cool during the hot summer months.





BATHPODS

Bath Pods are prefabricated with impeccable detail throughout, from tiled floors, full height tiled walls and in a light, mid or dark tone colour variation. We provide 3 floor plans, our P1, P2- UAT & P4.

## FLEXIBLE

Prefabricated in a controlled environment to ensure workmanship meets the highest standards, the pods can reduce on-site installation time from months to a matter of hours.

## EASY TO INSTALL

Ready for simple on-site connections to water, drainage and power mains. Leaving minimal waste on site, with less onsite contractors and trades.

## COST EFFECTIVE

Factory built & quality assured bathpod units. Removes trades from site, increasing construction speed. Increased cost efficences when compared to on site construction

### WORLDWIDE SHIPPING

Developed to fit multiple inside a 40ft high cube shipping container.



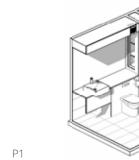


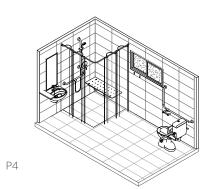
Designs

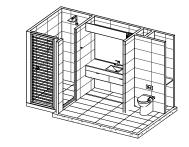
Colour Ways

Light

















Mid





Dark

UAT





ADD-ONS

Eco Structures offers a range of fully customisable eco solutions, designed to exist in harmony with each site's natural surrounds. Make your own masterpiece, and enhance the guest's sensory experience with add-ons

### WALKWAYS

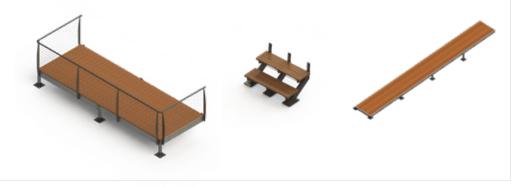
5m x 1.8m (or 2.7m) to eliminate the use of concrete needed

## STAIRS

Our stairs are proprietary to our system. They come in a range of sizes from 2 to 17 treads

## BALUSTRADE

Our balustrade is proprietary to Eco Structures which has been designed to work together with our system. The balustrade allows the structures to be elevated off the floor whilst keeping everyone safe.





# Eco-Friendly ADD ONS

To enhance your energy efficiency and preserve our environment we have several features available to purchase to complement your Eco Structure Tent.

#### SUSTAINABLE DESIGN INITIATIVES

We are able to optimize our designs to suit local contextimplementing additional shading and insulation, moving glazing, and assessing weather patterns – to create harmony with the climate.



#### SOLAR POWER & BATTERY RESERVES

We are able to add Solar Panels extternal to the Eco Tent, allowing perfect solar generation orientation, while using battery reserves to store energy for when solar radiation is low.

#### **ELECTRICITY USAGE METERS & APPS**

We can add electricity usage meters to display how much energy your consuming, the remaining battery time and solar collection quantity.

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WATER STORAGE

Eco Structures can have a rainwater storage tanks, filters and pumps installed. Gutters for water storage are not included as a standard.

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#### ADDED INSULATION

Upgrade your projects energy efficiency and save on bills with added insulated canvas or added WABi Panels (75mm wall) – higher thermal rating guaranteed!

### WASTE WATER

Eco Structures Partners with Aquarius Waste Water Management Systems. This is a system which can be utilised to manage waste water. We recommend this system as it is one of the most environmentally friendly ATU on the market.

#### DOUBLE GLAZED WINDOWS

Upgrade your windows to double glazing to reduce heat transfer by up to 40%, resulting in reduced energy consumption and lower energy bills.



#### ENERGY EFFICIENT LIGHTS

Upgrade your downlights to LED, using 85% less energy and lasting twice as long, making them a great choice for energy efficiency.



#### DESALINATION PLANT

Each Eco Tent can be connected to either mains water or a desalination plant as an eco friendly option to reduce the stress on traditional water sources.

# THE Performance Tent

Eco Structures innovative Hybrid Tent allows our tents to be converted from Glamping Tent, to Hybrid Tent to a fully enclosed WABi Cabin.

The versitle structure is engineered today for cabin upgrades in the future allowing for adaption to your faiclities and budgets evolving needs.



## **ECONOMICAL UPGRADES**

Engineered with the future in mind, Eco Structures is dedicated to providing you with sustainable, adaptable, and economical solutions. Our Hybrid Tent provides you with the perfect stepping stone. With a solid return on investment and a sustainable mindset, our Hybrid Tent empowers clients to invest in their dreams without compromising your principles.



#### FORWARD THINKING

The Glamping Tent serves as the foundation for the WABi Cabin, enabling a seamless upgrade from tent to cabin whenever you desire. This means you can invest in our tent today, safe in the knowledge that you can upgrade to a fully enclosed cabin tomorrow, without the hassle of starting from scratch.



### ENERGY EFFICENT

The upgrades allow thermally efficent PIR panels and insulated ceiling to create a sealed and energy efficient building.



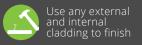
# THE WABI PANEL

WABi patented PIR panels (polyisocyanurate insulated foam wall panels) are the highest performing proprietary structural insulated panels on the market. We engineer your tent today for cabin upgrades tomorrow.



S MPLER SWARTER STOR

PIR Insulation Core for high thermal efficency





THERMAL EFFICIENCY

Insulation rating R3.543.

# STRUCTURAL INTEGRITY

Panels are fully bonded for the highest cyclone rating in the world (Cyclonic Region D).

# ELECTRICAL & PLUMBING

Cabling and pipework runs between the panels, alleviating the need for complex and messy chasing or the installation of conduits.

## SAFE

- Require less
   maintenance
- Minimise additional
   insulation costs
- Fire resistance
- Hypoallergenic
- Moisture resistant

### EASE OF ASSEMBLY

Panels can be easily lifted into position by a small team. Joints are glued, with no requirements for mechanical fixings.

### INTERNAL & EXTERNAL FINISHES

Suitable for any finish, internal and external, including the fixing of alternative sheeting such as Colorbond or Hardiplank.

## COST EFFECTIVE

An investment saving clients on additional thermal insulation and heating and cooling expenses.

### INDUSTRY LEADING

This single product is a significant advancement and innovation in the building construction industry.

**x 165 more** Thermally efficient tha single skin canvas wall

**x 30 Acoustic** dB rating than a single skin canvas wall

Structurally built as a house

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Able to withstanding **high** wind and snow loads

── 75mm





# What To Expect OUR PROCESS

# Typical Eco Structures PROCESS

You are **HERE** 

/	ldentify full project scope	Ø	-	Business vision, architecture & design, rooms & facilities, pricing, brief formation.	
2	Formal quote developed & supplied		<b>1-2 month/s</b> Variable due to clients variations	Select one of our tent options and go through sketch design and development with our team	<b>10% deposit</b> Drawings can only begin after
3	Project Specifications Signed	$\checkmark$	-	Drawings can only begin after the deposit has been paid 10% deposit	the deposit has been paid
4	Drawing Process		<b>1 week</b> Variable due to clients variations	Formal Architetcural drawings supplied with all requirements for the project including final colour selections & specifications	
5	Manufacturing Drawings	<sup>a</sup>	1-2 month	Once we have received deposit we will proceed with engineering & manufacturing drawings	<b>40% progress claim</b> Manufacturing drawings can only begin after the progress
6	Manufacturing	\$	6-8 weeks	Our Freight & Logistics team will keep you updated with emails and phone calls	claim has been paid 40% progress claim Shipment can only begin after the progress claim has been
7	Shipment	⊳	4 weeks	Computerized tracking systems and any paperwork you need for the duties & Taxes.	paid Final 10% The final 10% is to be paid on
8	Delivery to site	<del>_</del>	Variable	Remote areas may require longer delivery times due to limited accessibility.	arrival to your nearest port
9	Installation	$\checkmark$	<b>4 days+ (per unit)</b> Approx variable on local skills. Multiple tents can be installed simultaneously.	Assisted online / on-site, depending on what your project requires	

90 -120 days



RAPID DELIVERY

# Manufacture and Supply

Due to the modular nature our system, components can be delivered from stock or rapidly fabricated by our tried tested suppliers. We have agreed suppliers that we have worked with over a number of years and we deliver products under our ISO 9001 accredited quality management system.

# Shipping

Once you have placed your order we will assist with the delivery of our products to your front door. We initially will provide you with a quotation to your nearest major port in your country and help sort through the logistic with you. The order process could not be more simple we have 30 years' experience of shipping internationally using trusted Marine Freight companies.

# How will your delivery arrive?

Eco Structures have a highly efficient packing systems to ensure that multiple modular structures can be packed into a standard size sea container. Either unpack your delivery at the port or transport to your property in a sea container. Canvas components will arrive in a protective cloth bag and typically each structure and components are strapped and packed to a recycled wooden pallet so it can conveniently be forked lifted into position.Please note each and every order will have specific requirements subject to size, location and logistics, our team will work with you to ensure an efficient, safe and punctual delivery.





INSTALLATION

# **Installation Time Frame**

In some cases, our team install our tents in 2 days with 2 workers. Installation times will vary depending on the model, add-ons, site conditions, builder skill level, number of builders and weather. We can advise on this once we have a full brief on your project.

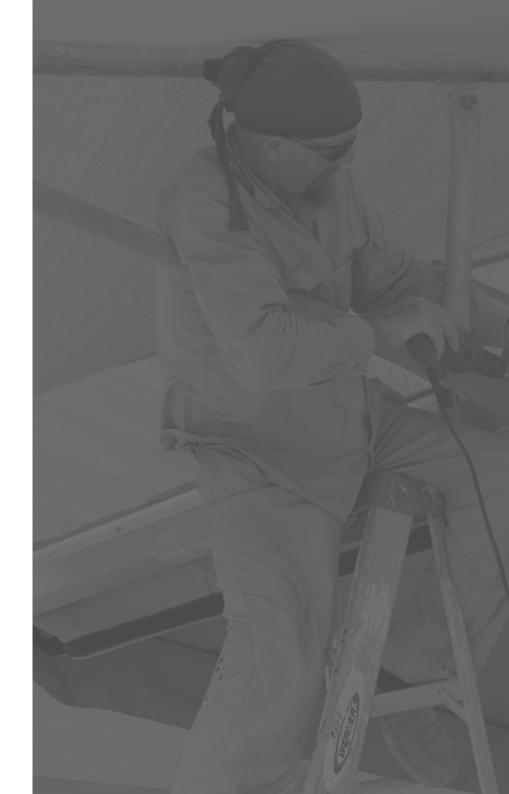
# **Our Expert Team**

Australian Eco Constructions (AEC) provide an efficient and effortless construction experience for our clients.

Our construction team is the heart of our business. Every member of our team has in depth knowledge and experience in logistical planning for construction in remote, environmentally and culturally sensitive regions. From considering climatic conditions to involving local communities, AEC delivers sustainable building solutions that meet our clients' expectations, time frames and budgets. AEC's management team brings three decades of local knowledge and experience on multiple tourism developments.

# **Local Trades**

Eco Structures provides a comprehensive Site Supervision and Construction Management service to help in training and managing semi-skilled local workers in the installation of our luxury glamping tents. Our expert team will oversee every aspect of the installation process, ensuring a high quality project. With years of experience, Eco Structures has earned a reputation as one of the top planning, logistic and construction teams in the world.





# Frequently Asked *GUESTIONS*

#### LEAD TIME

Our lead time is 90-120 days to manufacture | 4 weeks shipping | 2-4 days to install



#### LIFE SPAN

Each component of our Glamping Tents have different lifespans. The structure is designed to last a lifetime, with canvas, decking and PVC replaced accordingly.

#### FOUNDATION OPTIONS

Choose our patented Eco Anchors as a solution for eco friendly footings. Or, where rock is present, concrete footings may be the solution.

With our lift kits we can install our Eco Tents on any terrain. From the side of a hill, to over looking a lake. We have the

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#### CARE & MAINTENANCE

The maintenece required for Glamping Tents is minimal. Store bought products can be used to clean any marks.



#### REPLACEMENT PARTS

We offer replacement canvas panels, decking and roof flys for when there is a need. Just remove the current panel or part and replace with a new panel.

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#### **HEATING & COOLING**

Our Glamping Tents can be heated or cooled with split system airconditionin, or a fireplace for the cooler climates.



#### WIND & FIRE RATINGS

Our Tents are rated to 130km-250km winds. The structure itself is designed to be cyclonic. They are also internationally fire rated.



#### SUBFLOOR SYSTEM

TERRAIN OPTIONS

solution you need.

Our Tents come with the decking and the sub floor steel structure. As such electical fittings and waste management can be installed just like in standard construction. As each tent is off the ground, maintenance is significantly easier than standard construction.



# OUR RESOURCES

		RDI Calculator Romer in rome
Website	Арр	ROI Calculator
www.ecostructures.com.au	www.ecostructures.com.au/ar-app/	www.ecostructures.com.au/return-on-investment/
Floor Plan Builder	Installation Video	Youtube Videos
www.ecostructures.com.au/products/	https://www.youtube.com/watch?v=kd2R4Dqggal&t=70s	www.youtube.com/@ecostructures/videos

# WANT TO KNOW MORE?

ecostructures.com.au



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A company of The WABi Group

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