

ECOLIV[®]

EcoGeneration range

Sustainable today, regenerative tomorrow



The EcoGeneration range brings our regenerative vision to life, pushing beyond sustainability to create climate-positive homes that reflect and respond to the uniqueness of the Australian landscape, lifestyle and climate.

Our EcoGeneration 2A display home sets a new benchmark— independently certified as climate positive, removing more carbon than it emits over its lifecycle. This milestone, validated through a Life Cycle Assessment by Cerclos, proves that prefab modular modern methods of construction combined with energy-smart design, solar power all electric technology and low-impact materials can go beyond reducing impact, to contribute to environmental renewal.

Every EcoGeneration home is designed and built for performance, purpose, and progress. At the heart of everything we do our goal remains the same: to continually evolve, improve, and deliver homes that provide comfort, efficiency and a meaningful environmental legacy.

The EcoGeneration range is shaped by the following key principals:



**Prefab
Modular
Construction**



**Climate
Positive**



**Regenerative
by Nature**



All-Electric



**Water
Efficiency**



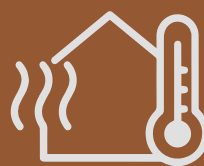
**Material
Conscious**



**Solar
Powered**



**Energy Smart
Design**



**Thermally
efficient**

Prefab modular modern methods of construction

At Ecoliv, prefab modular construction is central to how we design and build—offering a modern, efficient and environmentally conscious alternative to traditional methods. Constructed in our EcoHub facility, our prefab modular homes reduce material waste, minimise site disruption and accelerate build times. This approach allows for greater precision, consistency, and minimises environmental impact.



Why prefab modular?



Faster build times

Simultaneous off-site construction and on-site preparation cut timelines significantly.

High quality & precision

Our controlled construction facility maintains consistent quality and reduces weather-related impacts.

Low waste, big impact

Streamlined processes reduce material waste, supporting our commitment to circular design principles.

Cost-effective performance

Energy-efficient designs mean long-term savings.

Adaptable & personalised

Each design is adapted to suit your site, lifestyle, and evolving needs.

Minimal site disruption

Your home arrives in complete volumetric modules ensuring minimal site disruption, noise and environment impact.

Certified climate positive

Our EcoGeneration 2A Display home represents a new era in climate-conscious living—moving beyond the zero-carbon benchmark to create a net positive impact over its lifecycle. Certified Climate Positive by Cerclos, this home is designed to not only minimise environmental impact but to actively contribute to a healthier planet.

By generating more renewable energy than it consumes, and integrating solar power and efficient all-electric systems the EcoGeneration 2A home showcases a regenerative approach to living—one that gives more than it takes and sets a new standard for the future of Australian homes.

Over its lifespan, the EcoGeneration 2A will emit 529 tCO₂e (tonnes of carbon dioxide equivalent) less than an average or standard building providing the same functionality.

This translates to:

112% reduction in carbon footprint over its lifecycle

151% improvement in energy efficiency

66% less mains water use

21% lower upfront embodied carbon

This is equivalent to:



3171

Trees planted



115

Cars taken off the road



70

Zero energy Australian homes for 1 year



19,589,370

Balloons of CO₂ gas removed from the atmosphere

Regenerative by nature

The new EcoGeneration 2A display home embodies a regenerative design philosophy going beyond sustainability to create a home that gives back more than it takes. Thoughtfully designed to work in harmony with the natural environment, it reduces carbon impact, restores ecological balance, and supports biodiversity.

Features like green roofs enhance thermal performance, while internal biophilic gardens foster a deep connection to nature and support wellbeing. It's a new benchmark in living—one that not only treads lightly, but actively regenerates.

Our regenerative approach is shaped by the following key elements:

Net positive design

Goes beyond reducing harm to actively regenerate ecosystems and improve environmental outcomes.

Carbon conscious

Minimises embodied and operational carbon while incorporating climate-positive features.

Green roof integration

Enhances thermal mass and insulation, manages stormwater, and supports local biodiversity.

Biophilic interiors

Internal gardens and natural materials foster deeper connections to nature and support wellbeing.

Ecological restoration

Designed to work with the land—restoring native vegetation and encouraging habitat regeneration.

Living systems approach

Considers the entire life cycle of the home to ensure ongoing environmental and human health benefits.



Solar powered all-electric

The EcoGeneration range is designed to run on clean, renewable energy—powered entirely by the sun. Each home is solar powered and all-electric, eliminating the need for fossil fuels and reducing reliance on non-renewable energy sources. From heating and cooling to cooking and hot water, every system is integrated to maximise efficiency and minimise environmental impact. It's a forward-thinking approach that supports a low-carbon lifestyle, delivering homes that are cleaner, smarter, and built for a regenerative future.

The Sustainability Victoria FirstRate5 Whole-of-Home report, independently assessed by thermal performance experts Archi Sustainability, awarded the EcoGeneration 2A a rating of 101 out of 150—recognising it as a high-performance home.

System	Energy use p.a	Greenhouse gas emissions	Energy cost p.a
Solar power 5.28Kw	26,691 MJ (offset)	6.08 tonnes (offset)	\$892 (offset)
LED Lighting 5W/m2	1191 MJ	0.27 tonnes	\$106
Water heating (heat pump HWS)	3,643 MJ	0.38 tonnes	\$323
Electric cooking appliances (cooktop/oven)	1,482 MJ	0.34 tonnes	\$131
Heating/Cooling	1,520 MJ	0.35 tonnes	\$135
Other plug-in appliances	8,206 MJ	1.87 tonnes	\$727

Annual greenhouse gas emissions -2.43 tonnes

Annual energy usage -10,648 MJ

Annual Energy savings = \$892 per year

Energy smart design

By combining Passive Solar design with the performance standards of Passive House principles, we create homes that are resilient, energy-efficient, and future-focussed for the Australian climate. Our approach leverages the natural rhythm of the sun—using smart orientation and carefully considered shading to invite warmth in winter and minimise heat in summer.

When paired with Passive House principals like airtight construction, ventilation, superior insulation, and reduced thermal bridging, the result is a home that maintains consistent comfort year-round, no matter the weather.

By minimising reliance on artificial heating and cooling, energy costs and carbon emissions are reduced – while maintaining year-round comfort.

Passive solar design

Orientation

North facing windows capture winter sun, while eaves provide summer shading.

Insulation

Optimal insulation retains warmth in winter and blocks heat in summer.

Glazing

Energy-efficient double glazing reduces heat transfer and improves thermal performance.

Ventilation

Cross-ventilation by strategically placing windows ceiling fans enhance indoor air quality.

Thermal mass

Lightweight timber construction optimises energy performance without high embodied energy, with an optional green roof adding thermal mass.

Passive house principals

Sealing/Airtightness

Vapour-permeable wraps enable natural airflow, releasing warm air while allowing fresh air in.

Ventilation

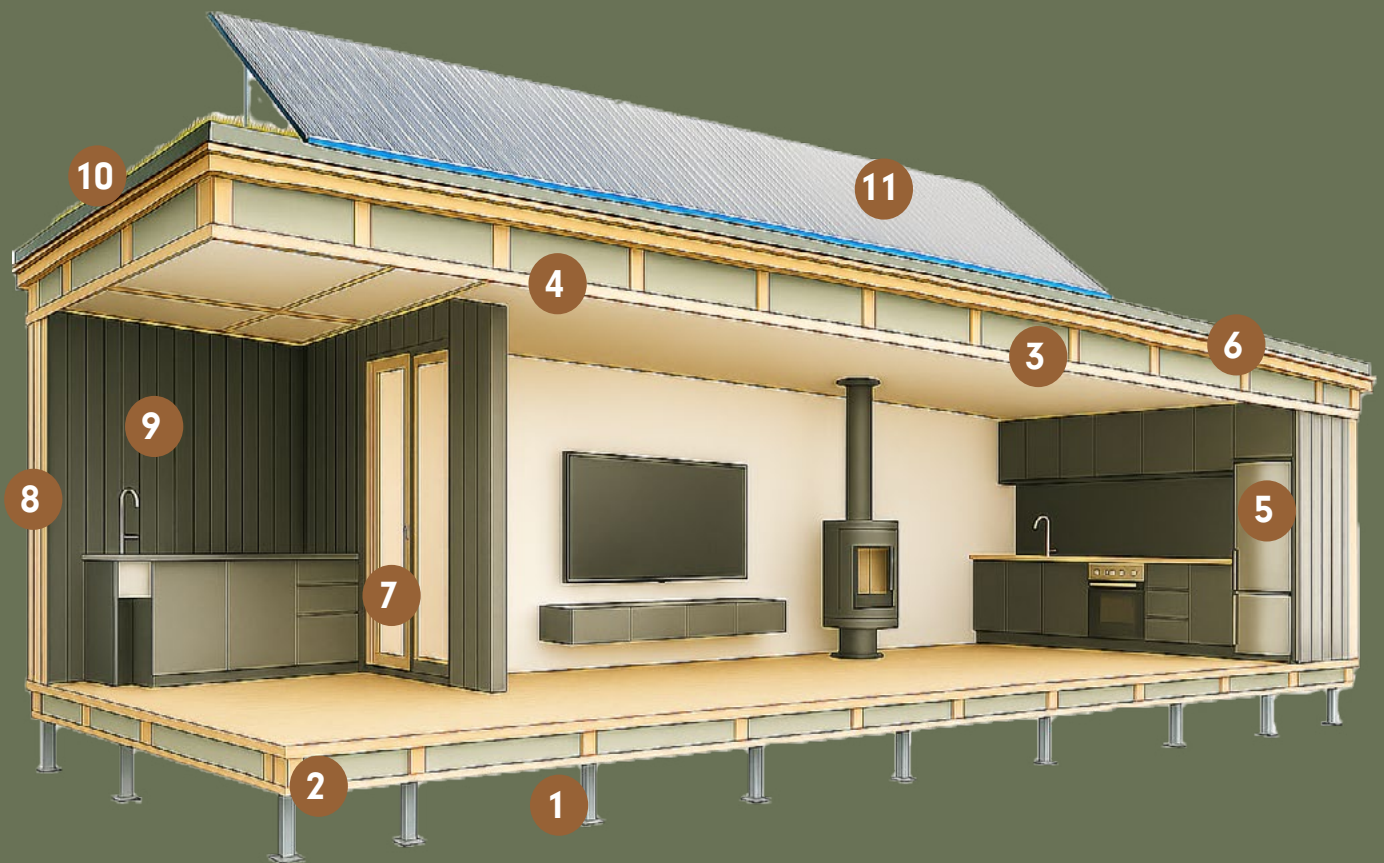
MVHR systems, if required can deliver fresh air and recover heat in airtight homes to support energy efficiency and air quality.

Thermal Bridge free construction

Careful detailing and materials prevent thermal bridges for uniform building temperatures.



A closer look inside



1. Galvanised steel stumps
2. Widespan subfloor system
3. R6 Insulation to roof and subfloor
4. Plantation timber frame
5. Vapour-permeable wrap
6. R1.5 roof blanket insulation
7. Double glazed argon filled windows
8. R2.5 Insulation to walls
9. Weathertex cladding
10. Green roof
11. 5.28kw solar system

Water efficiency

The EcoGeneration range is designed with respect for one of our most precious resources—water. Each home incorporates rainwater harvesting and water management systems to reduce demand on mains supply and minimise waste. From capturing rainwater for garden use to integrating water-efficient fixtures and appliances, every detail reflects our commitment to water conservation.

10,000l rainwater tank

All new Ecoliv homes on single sites include a 10,000-litre rainwater tank to reduce mains water use, support off-grid resilience, and lower utility costs.

Water-saving fixtures that perform

Ecoliv homes feature high-performance WELS-rated fixtures that conserve up to 14,500 litres of water annually.

Smarter appliances

With kitchens using around 10% of household water mainly from dishwashers—Ecoliv selects only WELS and energy-rated appliances to maximise efficiency and ease.

By combining their high-performance, WELS-rated tapware with our regenerative design approach, we're able to deliver homes that save over 205,000 litres of water each year—the equivalent of 1,025 full bathtubs or nearly 14 backyard pools. It adds up to an 18% reduction in household water use compared to the Australian average.



Materials efficiency

The EcoGeneration range is guided by a commitment to materials efficiency, prioritising locally sourced, renewable, recycled, and low-embodied energy materials to support a circular approach to construction. By integrating recycled content and choosing products with minimal processing, we reduce environmental impact, lower embodied carbon, and extend the lifecycle of valuable resources. Our material selection supports healthier indoor environments, strengthens local supply chains, and reinforces our commitment to building homes that are not only sustainable—but regenerative.

Our high-performance materials

Material	Details
Timber	Plantation timber sourced from sustainable origins. Natural, renewable, and capable of saving up to 23 tonnes of carbon per home.
Footings	Widespan joist and bearer system ensures minimal site impact, is lightweight, and adaptable to various terrain.
Materials Waste Reduction	Designs use 900mm building increments to reduce waste. Footing system is removable and recyclable, supporting minimal excavation and site adaptability.
Cladding	Weathertex cladding with a zero carbon footprint, made from natural timber and Australian hardwoods.
Joinery	Laminex joinery meets Australian quality standards, uses wood fibre from sustainable forests, and is GECA-certified.
Benchtops	Eco benchtops made with recycled glass, offering a stain, crack, scratch, and heat-resistant surface.
Paints	Haymes low VOC paint, made in Australia, ensures healthier indoor air quality.
Low VOC Timber Products	All manufactured timber products have formaldehyde content <1mg/L, reducing VOC emissions.
Carpet	100% wool Bremworth carpet for a natural, durable, and flooring solution.
Timber Flooring	Sustainably sourced Engineered Australian hardwood flooring selected for durability, longevity and environmental responsibility.

EcoExtras elevate everyday living

At Ecoliv, we believe in creating homes that don't just meet today's needs but inspire tomorrow's living spaces to tread lightly and honour every element of regenerative design. The EcoGeneration 2A Display home is a celebration of that ethos, showcasing a selection of EcoExtra features that elevate comfort, functionality, and environmental consciousness.

Biophilic interiors

Integrated internal gardens, natural textures, and organic materials bring the outdoors in—fostering a deeper connection to nature and enhancing wellbeing.

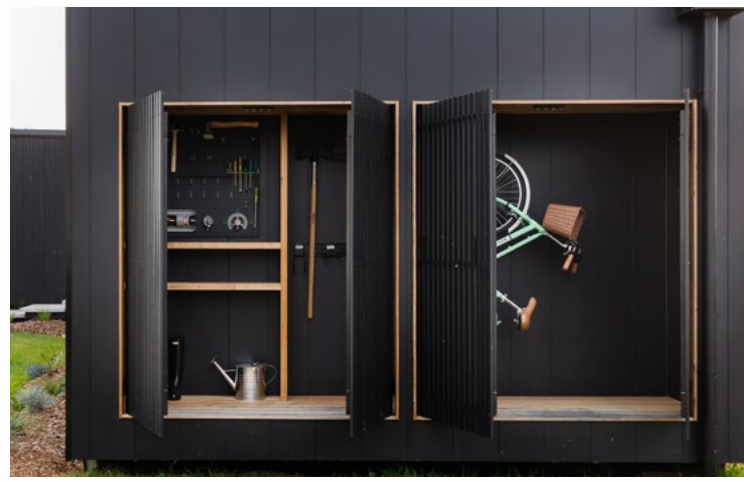
By creating calm, sensory-rich spaces, biophilic design supports mental clarity, physical comfort, and a more restorative way of living, reminding us that home should nurture both people and the planet.



Inbuilt external storage

The EcoGeneration display includes integrated external storage solutions. That are functional, weather-resistant, and aesthetically matched to the home's exterior.

It's extra space without extra sprawl, offering secure storage for tools, bikes, and sporting items.



Lead-Free Enviro range by Phoenix

Made from lead-free brass and built with high water efficiency in mind, Phoenix's Enviro Collection reflects a commitment to healthier living and a lighter environmental footprint.

With clean lines, premium finishes, and enduring Australian craftsmanship, the Enviro range proves that water-saving tapware can be both designed and beautifully executed.



Custom joinery - indoors and out

Every detail matters. That's why we've included custom joinery solutions that seamlessly bridge indoor living with the outdoors.

From built-in benches and joinery to custom shelving, these features maximise functionality while showcasing our commitment to crafted, clutter-free living.



Nectre Form 2 wood fire

Crafted for warmth and character, the Nectre Form 2 wood fire brings soul to the living zone.

Its Australian made clean lines and robust cast-iron finish are paired with high-performance efficiency and low emissions, offering sustainable heating that's as tactile as it is timeless.



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