



HAYWOODS

Sustainability
Awards 



Sustainability eBook 2021

Proudly partnered by Haywoods

The 2021 Sustainability Digital Awards Gala

Since the dawn of time, it's been well-known that architecture is much more than a building on a plot of land. It reaches beyond the necessities of shelter to strive to become a work of art and a reflection of our zeitgeist.

But sustainable architecture also reaches another level.

For the past 15 years, our Sustainability Awards programme has recognized the efforts of a whole range of architects and building designers who have developed and demonstrated ways to decrease greenhouse gases, reduce energy use and demand, and conserve water use in the built and/or natural environments.

Equally important is the creation of durable, comfortable, and healthy spaces. The award attempts to raise the public awareness of the current climate crisis and the massive role played by construction, maintenance, and operations of the built environment.

And what a fantastic outcome we have had this year.

This is not just a reflection of all the hard work we put in or the help we get from our many corporate partners, but, more a sign of the changing times.

But that I mean society is moving quickly – in fact before our very eyes – to a scenario where 'sustainable' will become the bare

minimum of what is required to achieve in the built environment.

Terms such as 'regenerative' and circular economy' will soon replace the term 'sustainable' when we are talking about our economic activity.

As such, we as a company are ready for this challenge. Moving forward, a new era is dawning for Australia's economy, and we are ready to embrace this exciting new phase of human progress.

BRANKO MILETIC, EDITOR

The Awards Jury



DICK CLARKE
Principal and Building Designer of Enviroecture.



JEREMY SPENCER
Director, Builder and Energy Rater at Positive Footprints.



MAHALATH HALPERIN
Director of Mahalath Halperin Architects.



MICHAEL FAINE
Faine Group Architects.



SANDRA FURTADO
Director of Furtado Sullivan.



NERMINE ZAHRAN
Senior Architect and Sustainability Manager at Koichi Takada Architects.

The Awards Ambassadors



PETER COLQUHOUN
Architect, artist and TV Presenter.



PAUL HAAR
Architect.



TALINA EDWARDS
Principal of Talina Edwards Architecture.



NADINE SAMAHA
Senior Principal Architect.



DAVID KAUNITZ
Director and Co-founder, Kaunitz Yeung Architecture.



BROOKE LLOYD
Director, Interior Design, Cox.



SUZANNE TOUMBOUROU
CEO of the Australian Council of Recycling (ACOR)



MERON TIERNEY
Associate at John Wardle Architects.



Q&A with Brent Calow, Havwoods' Strategic Accounts Manager

Brent Calow, Havwoods' Strategic Accounts Manager, explains why sustainably sourced timber entails much more than simply replanting a tree, tells us why Havwoods' FSC® certified (C009500) flooring is competitively priced - and discloses whether the global value of illegal timber trade is, indeed, worth more than illegal drug trade.

A&D: Tell us about your role at Havwoods, Brent.

BC: I have held many roles in my 5.5 years at Havwoods Australia and currently I am the Strategic Accounts Manager at Havwoods. I also look after business development for the company, coordinating with a couple of my other colleagues in the business development team. In addition to that, I handle webinars, CPD presentations and online courses.

A&D: Has sustainability always been something you've been passionate about?

BC: I have a passion for sustainability and I have always been concerned with the reduction of the impact of urbanisation and the built environment on the natural environment. I suppose it comes back to my previous role - before I joined Havwoods, I worked for a company that was developing, manufacturing and propagating a range of stormwater treatment technology. It was all about looking after the environment in terms of urban water runoff - which is what they call water sensitive urban design. Most of the products I worked with in that role went underground and weren't visible, however the impact was very easy to notice.

With timber flooring, things are different - you certainly get to see the product, but the impact wooden flooring has, isn't necessarily seen in terms of the way the forest is cared for and maintained.

A&D: And what does sustainability mean to Havwoods?

BC: As a company, we are hard-wired into sustainability. It is, without a doubt, part of our corporate DNA. We have the world's largest

range of engineered timber floors and within that, the world's largest range of independently certified, sustainably sourced timber flooring. You might say that sustainability, in our case, comes with the territory and we're pretty passionate about it. In Australia we definitely exceed what is required by law in terms of what we offer and sell to the market, which means we pick up a lot of work by being a few steps ahead.

The Barangaroo Sydney precinct development is a good example of that. It's a six star Green Star project. In the development conditions, it was enshrined that it had to be as close as possible to carbon neutral. Along with that they had quite strict rules around what kind of timber can be used in the buildings, so we picked up at least half a dozen of projects where the architects and designers specified a standard product which then wasn't aligned with Barangaroo's stringent Green Star regulations. And while the companies that had provided that timber in the first place could offer FSC® certified products, they were generally more expensive and required much longer wait times. Our products were already on the shelf and cost the same, because they were already appropriately certified. So we were ready to go.

From a global point of view, the UK, Europe and parts of North America have regulations that are much more stringent and we naturally meet these as well.

A&D: What are Havwoods' future sustainability goals and where would you like to see the industry to go?


BC: From a global point of view, 65% of our standard stock is certified with a target to reach 80% by the end of the year - so we're getting closer towards our goal of having 100%

of our range independently certified within the next one or two years. So we are definitely not standing still. In Australia, the sustainability legislation, rules and standards are definitely lagging behind the rest of the Northern Hemisphere - particularly in the developed countries. And as the regulatory standards catch up, you might say, we will be ahead of the curve.

Generally, as an industry, we have come a long way and I think we can go a lot further - particularly here in Australia, and especially regarding the importation of manufactured timber products. What I like to unequivocally say is that if a product is made in Europe, then you know that it has been produced to the most sustainable regulations or sustainable standards that are currently in place anywhere in the world. A lot of our competitors sell products that aren't manufactured in Europe (they are largely made in China), and they're not made to the European standards. As a company, we like to educate the consumer that if a product doesn't have a certification, then they should check if it was at least made in Europe - or to a European standard. Until we have a standard in Australia that replicates the European standard then we're always going to have a significant amount of product coming into the country that has been manufactured with some kind of unsustainable practice and questionable quality.

In conjunction with that, an important thing to note is that the value of the illegal timber trade - and illegal meaning zero sustainable forestry management practices - you can call it stolen timber - is worth more in, in dollars, then the illegal drug trade. So it is endemic - and we are committed to making sure that that doesn't find its way into our supply chains to uphold our global brand as one that stands for sustainability.

Best Adaptive Reuse Award Nominees

 proudly partnered by Havwoods International.

Recognises the adaptive reuse of a building (heritage and/or new) that has minimal impact on the historical significance of the building and its setting, while also pursuing a design that is sympathetic to the building in order to give it a new purpose.



CLIFTON HILL HOUSE
WINTER ARCHITECTURE



**GOODMAN HEADQUARTERS
- THE HAYESBERY**
INTERMAIN WITH WOODS BAGOT



NETTLETONRIBE BRISBANE STUDIO
NETTLETONRIBE



**NEWMAN HERITAGE HOUSE
REGENERATION FREMANTLE**
PETER AND JAN NEWMAN
WITH GERARD MCCANN



OLDERFLEET
MIRVAC WITH GRIMSHAW
ARCHITECTS & CARR



SMART DESIGN STUDIO
SMART DESIGN STUDIO

Award Winner



PHOTOGRAPHY Romello Pereira, David Hutton (drone with solar panels).

 **WINNER**

SMART DESIGN STUDIO
SMART DESIGN STUDIO

Completed in December 2019, Smart Design Studio comprises the adaptive reuse of a Post-War single storey industrial warehouse, into commercial and residential uses across a 3624 sqm site. The project is situated within the North Alexandria Industrial Heritage Conservation Area, which forms part of one of the largest known collections of industrial and warehouse buildings of its kind in Australia.

The retention and adaptation of the existing building was therefore the springboard for this innovative project. Most of the original building fabric was retained and restored, including brick facades, sawtooth roofs and steel roof trusses. The key innovation was to transform an existing warehouse into a carbon neutral building, targeting a six-star NABERS energy rating.

Realising purpose in run down materials

By adaptively reusing and refurbishing materials and products when initiating a refresh on a project, we are able to minimise the environmental impacts associated with new projects. Architects who look to salvage materials among dilapidated and run-down buildings, in an attempt to retain character, reduce emissions and help ensure a project remains within the margins of the budget provided.

The 2021 Sustainability Awards category of Best Adaptive Reuse aims to showcase and champion the projects and architects that salvage materials from a project, to transform them into a contemporary context. Put simply, the category recognises the adaptive reuse of a building (heritage and/or new) that has minimal impact on the historical significance of the building and its setting, while also pursuing a design that is sympathetic to the building in order to give it a new purpose.

The Sustainability Awards jury, tasked with finding the winners for each of the 14 categories, looks for a project that is innovative and functional within the Best Adaptive Reuse category. Architects that have displayed their expertise in crafting the project typically rate highly within the category, with those who have displayed the use of sustainable design principles rightly rewarded for their efforts.

Havwoods is the proud sponsor of the Best Adaptive Reuse category. Brent Calow, the timber flooring company's Strategic Accounts Manager says the awards itself embody much of what Havwoods is about.

"For us, this (the Sustainability Awards) is Havwoods. We're hard-wired into sustainability and being a part of the Sustainability Awards is one of the expressions of our commitments in this space," he says.

"The awards are incredibly important

because they promote sustainability amongst industry professionals and encourage exciting innovation. It's a fantastic initiative in terms of advancing awareness around sustainability and positioning it front of mind, which is vital particularly now that COVID-19 has amplified how the built environment responds or reflects what people do - and their lives moving forward. Sustainability is something that's very powerful in that context."

Jessica Hall, Havwoods' Digital Marketing Manager, says the adaptively reusing materials is at the core of sustainability.

"It is our honour to sponsor the Best Adaptive Reuse category as it represents sustainability at its peak. Not simply using sustainable methods to build new, but looking into how to repurpose and renew existing materials and structures. Breathing new life into old things is the ultimate form of sustainability, much like our reclaimed timber flooring which is repurposed from old buildings that would otherwise be left to rot," she says.

"We also recognise and respect big picture thinking, taking into account past, present and future functionality and sustainability as a whole, as Havwoods also consider these integral to our own business and the future of our communities and planet."

With the 2021 Sustainability Awards only a few weeks away, Architecture & Design

has announced the shortlist for each category. Please find the Best Adaptive Reuse shortlist below.

- Clifton Hill House
Winter Architecture
- Goodman Headquarters – The Hayesbery
Intermain with Woods Bagot
- nettletontribe Brisbane studio
nettletontribe
- Newman Heritage House
Peter and Jan Newman with Gerard McCann
- Olderfleet
Mirvac with Grimshaw Architects & Carr
- Smart Design Studio
Smart Design Studio

The winner of the Best Adaptive Reuse category, along with the other 13 categories at the Sustainability Awards will be announced at a ceremony in Sydney in November later this year, along with the Sustainability Summit. For more information regarding both the awards and summit, visit sustainablebuildingawards.com.au.



Eco Labels and Reclaimed Wood: The Different Faces of the Sustainable Timber Flooring Industry

With sustainability front of mind for a staggering majority of architecture and design professionals, the industry - and rightfully so - tries to look ahead to predict the environmental impact of their projects. But in our conversation with the team at Havwoods we take a moment to look down - at the floor, to be precise - and talk about the importance of eco labelling when specifying flooring products, and how reclaimed timber flooring combines storytelling with environmental considerations.

Sitting down with an unquestionable leader in sustainably sourced timber flooring offers a valuable insight into key considerations one should keep front of mind in a bid to create a considered interior. Eco labelling is promptly brought up as the most reliable way to ensure timber has been sustainably - and responsibly - sourced and manufactured. "If timber is illegally sourced and uncertified, then going with wood over another material will increase deforestation," says Jessica Hall, Havwoods' Digital Marketing Manager. "But if you choose responsibly sourced and certified products, the certifications cover everything - from ensuring that every tree that is cut down is re-planted to managing the actual environment of the wildlife, to ensuring they employ local folk - and they get a fair salary."

"When it comes to sustainability, eco labelling is very important for architects, designers, specifiers, builders, consumers - and anybody else that is interested or involved," explains Brent Calow, Strategic Accounts Manager at Havwoods. "The most common eco labels are the Forest Stewardship Council® (FSC®), the Programme for the Endorsement of Forest Certification (PEFC), and obviously Cradle To Cradle Certified™, which covers more than just forestry management. They take into account energy use, water usage and socio-economic conditions of workers amongst other considerations." As transparent, non-

for-profit organisations, they are a superior source of impartial information within the sustainability space.

With 65% of Havwoods' global products currently certified - and the brand's ambition to get to 80% by the end of this year, Havwoods offers the world's largest range of independently certified, sustainably sourced timber flooring. Venture Plank, with all products Cradle to Cradle Certified™ Silver, the FSC® certified (C009500) PurePlank range and Italian Collection - or all of the Valour UV oiled products that are both FSC® certified (C009500) and Cradle To Cradle Certified™ Silver. The brand, of course, has the official paperwork to back these certifications up.

However, while certifications are undoubtedly vital in validating a product's sustainability profile, there are products that offer significant environmental benefits, whilst being quite challenging to certify - such as reclaimed timber. Jessica explains that reclaimed timber is wood that had a previous life as something else before it became Havwoods' product. "For example, the products we stock in Australia have been sourced from old European barns that had been essentially falling down," she explains. The origin of reclaimed timber is precisely what makes it popular, in hospitality venues in particular - and so difficult to certify. "As part of sustainable forestry management, the certification process requires an unbroken

chain of custody through every step of the timber's lifecycle," clarifies Brent. "With reclaimed timber, it's effectively impossible to get a sustainable certification on that product by the simple fact that you'll never be able to find out where that original tree came from."

In that sense, reclaimed timber is not sustainably certified - but that doesn't mean it's not sustainable. By utilising reclaimed wood, Havwoods give another life to timber that otherwise would have gone to landfill, been burnt or rotting in the ground - which would have negative implications from a sustainability point of view. "The longer timber stays as a physical product and not rotting, the longer it holds the CO2 out of the atmosphere," explains Jessica. With CO2 emissions recognised as one of the biggest causes of climate change, utilizing wood in a product form for as long as possible is as important as ensuring the wood we choose is sourced from responsibly managed forests and produced using eco-friendly processes.

While Havwoods strives to meet sustainable outcomes through certification processes, they aim for positive environmental outcomes where that's not necessarily possible too. As a result, the leading supplier of sustainable timber flooring on a global scale offers an array of high-quality products that are bound to elevate their projects' sustainability profile - whether they carry an associated certification or evoke the memories of the distant European past instead.

Awarding architects for adaptively reusing materials for new projects

Adaptive reuse is a common theme of many contemporary projects. As opposed to exploiting new resources, architects are opting to utilise existing elements of homes and buildings in an effort to ensure their work does not bring harm to the wider world. By doing so, a building can hold a new purpose or a refurbished touch without contributing to emission statistics.

The Adaptive Reuse (Alteration/Addition) category at the Sustainability Awards recognises the adaptive reuse of a building (heritage and/or new) that has minimal impact on the historical significance of the building and its setting, while also pursuing a design that is sympathetic to the building in order to give it a new purpose.

The qualities and characteristics of the projects nominated typically contain materials adaptively reused that have clearly been repurposed with new technologies and the creative thinking of an architect. Winning designs represent an example of functional sustainability in a commercial context, while also being responsive to its physical locality. Projects that utilise adaptive reuse techniques to repurpose a building for a new direction are rightly rewarded for their efforts within the category.

Lilydale House at Marrick & Co, overseen by Mirvac Design and Tonkin Zulaikha Greer was victorious in the Adaptive Reuse category at the 2020 Sustainability Awards. A much-loved community building that was built in 1909 as a residence for nurses at a nearby hospital, the

building took on another life as an ancillary hospital services space and a pre-school in the 1990s.

As part of Mirvac's urban renewal of the former Marrickville Hospital site, Lilydale House was given a much-needed refurbishment. Three metre high pressed metal ceilings in living areas, detailed architraves and skirtings and handsome bay windows were all painstakingly restored by the practice's as part of their joint collaboration.

Havwoods is the official sponsor of the Adaptive Reuse category at the 2021 Sustainability Awards. The timber company understands sustainability is the responsibility of both individuals and organisations, and that the ecological footprint of any product has become as fundamental to the decision-making process as quality, design and price.

For Havwoods, sustainability is a matter of extreme importance. The company is continuously taking new steps to improve their actions in order to minimise harm to the earth. Timber is one of nature's best defences against carbon emissions, and Havwoods believe that

in the company's quest to prolong the life of its timber products, that the carbon release from timber can be slowed.

The company is working to ensure their products are ethically and sustainably sourced, and are proud to work with like-minded, reputable timber manufacturers. New and recycled timber plays a role in a number of adaptive reuse projects, and with Havwoods as a sponsor of the Sustainability Awards in general, it underlines the desires the company holds to be a truly sustainable venture.

The Sustainability Awards, presented by Architecture & Design, returns in November 2021. To find out more, please visit sustainablebuildingawards.com.au.



Havwoods Leads The Way in Sustainable Timber Flooring

With over four decades of experience in the timber flooring industry and an unquestionably leading position when it comes to sustainably sourced wood, it is hard to imagine a brand that would have been any more at the forefront of the timber industry's sustainability journey. We sit down with Havwoods' Strategic Accounts Manager, Brent Calow, and the brand's Digital Marketing Manager, Jessica Hall, to look back at the all important beginning of sustainable forestry, talk about the potent shift in consumer attitudes towards sustainability that's redefining the demand for responsibly sourced timber - and discuss some of the misconceptions organizations like Havwoods are working hard to debunk.

"Europe has really driven sustainability to where it is today - particularly from a forestry management and timber products manufacturing perspective," says Brent. That's where, as a response to the concerns over global deforestation, the Forest Stewardship Council® (FSC®) was established in 1993. Having been founded in Bonn, Germany, it then propagated throughout the world, reaching Australia in 2006, when FSC® Australia was established. Alongside that came the Illegal Logging Prohibition Act, which - upon a somewhat softer start in 2012 - truly came into effect in January 2018. The Act introduced strict regulations, making it illegal to place illegally harvested timber on the Australian marketplace. It also puts responsibility on local operators to ensure they manage any risk that the products they import or process have been illegally logged.

Havwoods wasn't affected by the change. The brand already followed their own, extremely rigorous requirements where provenance and sustainability of wood they used was concerned. The majority of their stock was already compliant with the very stringent European standards. "Many of our competitors really struggled proving that their products were sustainable, because they've never been asked that question before," explains Brent.

"Climate change has driven architects, designers and consumers to pursue more environmentally friendly, sustainable and responsible solutions. They want to know where timber came from and what the carbon footprint on their project is going to be," says Brent and goes on to reference Australian Architects Declare Climate & Biodiversity Emergency as one of the crucial markers of the industry's rapidly advancing environmental awareness.

These days, Havwoods have customers who will not buy a product that hasn't been sustainably certified. But it wasn't always this way. "Thinking back to three or four years ago, when the majority of our range was already certified, many architects and designers didn't

care about it as much," adds Jessica. "That has now completely flipped. Some of this interest in sustainability and certification is driven by government legislation, as well as an increased global awareness. Consumers are empowered to drive change and choose where they spend their money."

These considerations have driven the demand for sustainable and responsibly sourced timber, which, in turn, has increased the demand for certified products - and the need to make them more attainable to the rapidly growing consumer base. Once again, Havwoods was well ahead of the curve - particularly as engineered timber flooring, which the brand has the largest range of globally, has also set a new standard for sustainable wooden flooring.

Unlike solid timber flooring - which uses only a certain section of a tree, engineered timber flooring is built using numerous thinner planks. That allows for a greater amount of each tree to be utilised in the construction and results in far less wastage. "For one square metre of solid timber flooring you can get four square metres of engineered timber flooring," quantifies Brent. In addition to that, engineered timber flooring can be re-sanded to prolong lifespan - or repurposed into another wooden material or product. With Havwoods' impressive range of independently certified, sustainably sourced engineered timber flooring, Jessica explains the process of certifying engineered flooring, "All the layers of the engineered floor - including the substrate - have to be certified for the product to actually get the official certification that the entire product has been responsibly sourced."

With the importance of sustainability and certifications on the rise, there are still many misconceptions around the topic of sustainable timber flooring - and while the consumer is becoming more and more knowledgeable, there is still a tremendous need for education - on the benefits of specifying sustainably sourced timber, the importance of official certifications, and on how attainable certified products actually are. "By choosing timber you

can help keep the CO₂ out of the atmosphere - and timber is actually classed as a carbon neutral building material, because it's a lot lighter to transport, compared to materials like concrete, which is responsible for an estimated 5% of global CO₂ emissions," explains Jessica. "So it's important for people to know that chopping down trees can certainly be bad and lead to deforestation when it comes to illegal logging, however if it is done responsibly and in a well managed way, it can actually be the better choice for our environment and sustainability."

With the increased focus on sustainability, there has also been an increase in the amount of organisations claiming that their products are certified even if they aren't. "It is crucial for consumers to ask their suppliers for paperwork," says Jessica. "With FSC® (CO09500) and Cradle To Cradle Certified™, you can also go to their website, and actually look for a specific company to check the list of their certified products." This is particularly important as the sustainability sourced timber has become much more affordable. "The idea that sustainably sourced timber is expensive is a misconception. That was the case originally, because of all that effort and time that has to go into it, and the ability to source the products from the right places does cost money. But because of the demand, the price has been able to come down," says Jess, and Brent adds that "rather than it being a cost to the consumer, it's now just become the cost of doing business, which is then absorbed into the cost of the product. And, of course, economies of scale drive that."

With the world's largest range of sustainably sourced engineered timber flooring, the product certification profile anchored in Havwoods's European sustainability heritage - and the brand's commitment to furthering awareness of the importance of choosing responsible timber, there is no doubt that Havwoods are one of the key organisations driving the industry's sustainability journey forward.

