Coverage


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$\equiv_{\text {maw }}$ Construction News
Why Funding for Offsite Construction is Difficult ${ }^{[1]}$


Prefabrication and offsite construction are making advances into the construction industry in a variety of ways, yet by almost all the construction industry in a variety of ways, yet by almost all and many say it is impossible.

Ill outline five reasons contributing to the difficulties being experienced, but before doing so, I should acknowledge that this view of the difficulty in obtaining funding for offsite construction is not founded on hard evidence. Instead, it arises
from conversations with offsite manufacturers, enquiries to PrefabAUS, and from conversations with offsite manufacturers, enquiries to PrefabAUS, an
discussions at industry conferences.



Australia's tallest prefab tower tops out Nicholas Rider

## FINANCIAL REVIEW

Chinese group have Australia's tallest prefabricated tower reaching top level


Australia's tallest prefabricated building has topped out at an impressive 44 levels, with the 323 La Trobe Street apartment tower rising 133 metres above the Melbourne city centre.

Developed by Chinese group Longriver, the main structure for the $\$ 95$ million high-rise was completed in eight months, twice as fast as a traditional build, leaving only the interior fit-out
works to be completed.
It features modular bathroom pods, precast concrete slabs and pre-attached windows manufactured by off-site pioneers, the Hickory Group, in its Melbourne factory.
"The floors we are standing on were manufactured 16 kilometres away in our Brooklyn factory. We attached the facades, put them on the back of a truck and delivered them here," said Hickory managing director Michael Argyrou at the topping-out ceremony.


## Build it offsite and many storeys will come - fast

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Australia's tallest prefab tower tops out at double speed



## Constuction of L T Trobe Tower

Hickory Group's new method of high-rise prefab construction has seen Austraia's tallest prefaricated building ise two floors a week - double
methods were employed.


PrefabAUS 2016 Conference To Reveal Opportunities, Challenges And Projected Future For Offsite Construction




Melbourne Home To Australia's Tallest Prefabricated Building



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International Exhibition And Presentation To Feature At PrefabAUS Conference




Researching Best Practice To Deliver Next Generation Buildings



## FINANCIAL REVIEW

Big projects put spotlight on prefab construction

- G+ f in ©


Projects by Lendlease, Hickory Group and Aveo has helped propel Australia's off-site construction sector into the spotlight, ahead of its third annual national conference in Sydney
"In the last 12 months there's been a real gathering of momentum, with more adoption of construction automation technologies, and some breakthrough projects," said Warren McGregor, chief executive of PrefabAUS, the peak industry body.

prefabAus 2016 photos and hint of what's to come


October 2016
The mood from the speakers and delegates at the prefabaUS event in Sydney this week was strong, as you'd expect firm a national conference celebrating pretty much the firsts serious revolution in construction, pretty much
ince its arived on the scene and enabeed high nise. shiee lis amved on ine scene ance enabec igh hise.
The Fifth Estate dipped in to parts of the three day event hosted by the Univesity of Sydney Department of Architecture, Planning and Design at the Seymour Centre, just across the park from our Giebe offices. But while he content on the foor was engaging, with expectations that the industry could jump from 3 per cent of construction now to 10 per cent by 2020 and other upbeat sentiment, just as interesting were the background biefings, that hinted at big commercial contracts about to be signed and large developers tapping the upmarke' housing product. We covered some of the industry participants, established and new, earier this week, (Se Architects, an sustainability leader in design and a Living Buiding Institute director, Ken McBryde, a principal at Architects, an sustainabiitity eader in design anda a Living Buicioing

We were also aletted to an interesting piece of ded Wood Products website, largely ynoublicisest ad Wood Products website, largely unpubulicised. We've covered Overcoming Psychological Bariers to
Widespread Acceptance of Mass Timber Constuction in Australia, by Dr Paul Kremer and Dr Mark Symmons, in this aticle, How to convince people assivive timber is not a massive risk

The presence of Tamara DiMatitina on the speakers ist, with her Buy Nothing New and The New Joneses nceppts, both of which have had huge publicity, w sector.

## Coverage

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三 Construction News
The Ever－changing World of Offsite Construction


We will all have our own view as to what we think prefabrication and offsite construction is，and whatever your view is，I suggest that it is unlikely to be wrong．

However，I am equally confident in saying that it is increasingly likely to be incomplete or outdated．And that＇s a good thing，because new elements are being added to the spectrum of offsite construction all the time．

Factory built complete homes，fully fitted apartment and hotel modules captured a lot of the attention early on．And rightly so，as they represented a dramatically different way of achieving the desired build form outcome，with reduced now all part of the mix．

Engineered timber products like Glulam，LVL，and cross laminated timber（CLT） provide exciting new design opportunities，as do the recent changes to the national construction code which now allows timber structures up to 25 metres （eight storyes）．XLam has announced that next year it will open Australia＇s first CLT manufacturing plant in Wodonga Victoria（for clarity，the Lend Lease Design Make factory in Sydney transforms imported CLT blanks into precision cut elements for rapid installation at site．）
Bathroom pods－bathroom modules complete with all wiring and plumbing fixtures and fittings，tilings，glass screens，towel rails，and so on－are being adopted for more residential and student housing projects．They are delivered to site ready to be placed in location and connected of to the building services．

## green：

[^0] Ryan Smuth is looking to change that
designbook updates shop

international exhibition and presentation on challenges and opportunities in solving housing affordability will be presented at this year＇s annual prefabaUS 2016 Conference，at University of Sydney＇s Department of Architecture，Planning and Design．
fessor Mare Norman from the Harvard University Graduate School of Design is Director of UPSTATE Centre for Design Research and Real Estate at Syracuse University School of Architecture

An affordable housing advocate，he supports mechanisms that reduce the cost of housing and has dedicated his career to finding remedies to inequality

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# Search News or Events
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Analysing the benefits of off－site construction Thursday， 18 August 2016

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## PrefabAUS



## \｛DESIIGN



Preada conference explores the future of the built enviromment in Sydney


The annual conterence of Ausitralia＇s prefibbication and offsite construction industry PrefabAUS 2016 opens in Syoney on Monday 10 Octiober：

Over a period of three days from 10 October till 120 ctober，the 2016 conference will explore the theme of Deivering Nex：Generation Buildings through a packed program featuring a host of conifmed speakers as well as technology workshops，technical discussions and ste visits．


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