

Prefab^{NZ}

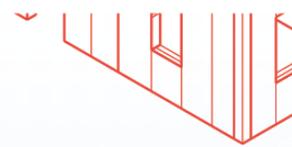


SNUG

A home in my backyard

SNUG DESIGN COMPETITION

2018



SNUG : A Home In My Backyard

A PrefabNZ Design Competition

With thanks to Auckland Council and our fabulous Supporting Partners



Image: LaunchPod: Wimshurst Pelleriti for RHP Group

*By 2030, New Zealand's social and built environment will change in dramatic ways
75,000 social and retirement housing units are needed by 2030*

*Current delivery rate is up to 3,000 units per annum so a shortage of about 30,000
homes is forecast by 2030*

There is a need for a fit-for-purpose, on-time, on-budget built response

*Key challenges are in bite-sized innovation that can be readily absorbed into
business-as-usual*

(PrefabNZ Social + Retirement Housing

Pipeline 2015)

*There are 180,000 'hidden homes' in New Zealand – with huge potential to meet our
housing needs through partitioning and other Accessory Dwellings*

*Almost 11 percent of New Zealand's housing stock is significantly under-utilised and
could be partitioned to deliver 180,000 additional dwellings*

Those additional dwellings could be delivered without impinging on greenfield sites

(CRESA, Report on Accessory Dwelling Units + Partitioning 2018)

Why Now?

In 2015 PrefabNZ, the heart of innovative construction in New Zealand, launched a design competition for an open-source universal bathroom pod, the UNIpod.



Now in 2018 we bring you the next round, the **SNUG – A Home In My Backyard**.

The need for a range of **SNUG** solutions is backed up by a recent report under the National Science Challenge 11, *Building Better Homes, Towns and Cities (BBHTC)*. This report has identified that New Zealand has potential for 180,000 additional dwellings created through partitioning by refurbishing existing homes and other forms of additional newly-built Accessory Dwelling Units (ADUs).

To add fuel to the fire for the urgency of creating more solutions, we can see that Multi-Generational Housing (MGH) is a growing trend worldwide:

- 57 million Americans (18.1% of the United States population) lived in MGHs in 2012 (Fry & Passel, 2014)
- 4.3 million Australians (19% of the population) lived in MGHs in 2011 (Liu and Easthope, 2012)
- In NZ since 2001, the number of people living in extended family households has increased by 57 per cent to 496,383 people (11% of pop) in 2013.

(Source: BRANZ report *Meeting the housing needs of multi-generational households*)

Competition Brief:

The purpose of this **SNUG** Design Competition is to produce an amazing, well-designed, gorgeous, sustainable, affordable and very clever Accessory Dwelling Unit. The **SNUG** responds to the need to provide affordable housing options that maximise existing sections. It is intended to house family members as they transition from home to independence, or aging parents as they need to be closer to home and maintain a degree of independence.

This competition is brought to you in partnership with Auckland Council who are looking to provide building consent pre-assessment of the selected finalists. This **SNUG** Design Competition is being organised by PrefabNZ with marketing and judging assistance from Supporting Partner organisations. PrefabNZ acknowledges and follows the NZ Institute of Architects (NZIA) Architectural Design Competition Guidelines.

The outcome will be a printed and digital pattern-book of pre-consented **SNUG** options. Discussions with existing home publication entities are ongoing – the magazine will end up in the hands of supermarket shoppers, straight to where it can be of most value.

Design Brief:

The objective is to create a well-designed prefabricated accessory dwelling unit that can supplement an existing residential property.

- A self contained residential unit of between 30m² and 65m²
- Maximum of 65m² as per Auckland Council Minor Dwelling Definition
- Suitable for Auckland Single House and Mixed Housing (Urban and Suburban) Zones.
- Offsite construction / Design for Manufacture and Assembly (DfMA)
- Consideration of living, sleeping, kitchen, bathroom, laundry, utility and storage spaces
- Concept design for marketing and judging purposes, towards a 'pattern-book' of **SNUG** solutions
- Design for manufacture with construction drawings and details

Prize:

- \$10,000 prize pool for the finalists. (Finalists must be prepared to complete full working drawings for consent application.)
- PrefabNZ will make every endeavour towards a winning design being built for display.

What to Consider:

- Transport and installation - the **SNUG** may need to be carried, lifted and maneuvered around existing buildings.
- Services and self sufficiency - consider how the **SNUG** will connect to services
- Multiple uses - think of the **SNUG** as a multi-tool for habitation.
- Design for manufacture - essential to make the most of the capability of manufacturing partners

Your Proposal Should:

- Conform with regulatory standards including the Auckland Unitary Plan Rules and the Building Code and show how the **SNUG** will demonstrate compliance.
- Consider Lifemark Universal Design Guidelines – aim for 5 star or above
- Consider a variety of settings and the site specific constraints **SNUG** will have to adapt to
- Aim for construction costs of equivalent (but ideally lesser) value than traditional site-built unit of similar specification, ie. a fair range would be \$2,000 - \$2,500 per m², so a 45m² one-bedroom home would be around \$90,000 - \$112,500
- Show a variety of finishes and fittings to suit a range of configurations and occupants to allow the client a range of ‘controlled design choices’
- Show how the unit is constructed (eg. axonometric and construction details), with varied finishes and fittings for different contexts

What we'd love to see:

- Future-proofing for disassembly, re-sale and re-use (using the spanner not the hammer)
- Your design fingerprint
- Renders of the **SNUG** in different contexts

Competitor Teams:

Competitor teams are suggested to be made up of combinations of architects, architectural designers, product designers, interior designers, material suppliers or manufacturers, engineers, students of architecture and design.

Each team must include at least one of each of the following:

- Current PrefabNZ Member
- LBP (architect or architectural designer)
- Prefabrication / offsite manufacturer
- Student / apprentice

To help you find these people, check out the PrefabNZ Directory www.prefabnz.com/Directory/

Do that first, and if you need more help contact info@prefabnz.com

The Jury and Judging:

The Jury will comprise of experts in design, construction, prefabrication, sustainability, universal design, and housing from the Supporting Partner organisations, potentially including (but not limited to) Auckland Council, Lifemark, NZIA, ADNZ, EngineeringNZ, NZGBC, Holmes Farsight and PrefabNZ.

Names of judges will be available on the PrefabNZ website once appointments are made. If one of the jurors has to withdraw prior to the completion of the competition process, another juror of equivalent credentials will be appointed by PrefabNZ.

The judging process will take place according to the timeline below and every effort will be made to arrive at a consensus in the selection of a winner. A report will be submitted to the Supporting Partners and made available on the PrefabNZ website after judging has concluded.

Questions can be emailed to info@prefabnz.com. Answers to questions will be available at the competition event web-link. Competitors should not verbally communicate with the jurors regarding this Design Competition Brief.

Judging Criteria:

1. Construction / Buildability
2. Regulatory Standard Conformance / Compliance
3. Cost / Affordability
4. Flexibility / Adaptability
5. Functionality / Fit for purpose
6. Design / Aesthetics
7. Sustainability / Efficiency
8. Construction / Assembly Drawings
9. Innovation / Point of difference
10. Other / Judge Area of expertise

Lodging Submissions:

- All submissions must be lodged as one single PDF file with info@prefabnz.com by July 31st 2018.
- Submissions must be anonymous. Teams will be assigned a number to identify all submitted material.
- Concept designs must be formatted as 3x A3 sheet sizes.
- Submissions must include a completed Auckland Council Building consent application
- Any additional materials received which exceed the submission requirements will not be considered by the jury.

Disqualification:

Submissions that fail to meet a significant number of the competition procedures may be disqualified, in particular, where:

- The submission is received after the lodgement time and date;
- The submission is not submitted in accordance with the submission requirements, as stated in the brief;
- A competitor attempts to influence the decision of the Jury;
- The Jury will determine any disqualifications.

Copyright:

Copyright of all entries remains with the entrant team. The concept design will become available on the PrefabNZ website and through Supporting Partners. PrefabNZ will have no liability for any Team's loss suffered.

Contact:

For all **SNUG** enquiries please contact info@prefabnz.com

Key Dates:

When	What	Where	Who
9 March 2018	Launch	PrefabNZ CoLab Auckland	PrefabNZ Members
29 March	Registrations Close	Email	PrefabNZ
31 July	Entries Close	Email	PrefabNZ
9 August	Judging	Auckland / Wellington tbc	Partner Organisations
Late August	Soft Launch Announce Finalists	Digital comms	PrefabNZ + Partner Organisations
Late August	Finalists prepare consent drawings AND PrefabNZ media team prepare magazine submission		Finalists
August / September / October	Building Consent Pre-consent process	Auckland / Wellington	Auckland Council & Holmes farsight tbc
End September	Draft Publication Content		Peter @ Defign tbc
October	Print Publication	Publication Eg. Defign Magazine - Feature Piece - Profile on top 3	Eg. ADNZ
November	Hard Launch Media Programme	Social Media Print Media Websites	PrefabNZ + Partner Organisations Eg. Defign Blog / website etc