

## INTRODUCING MODULAR

PROVIDING A TAILORED DESIGN AND BUILD PROCESS IDEAL FOR PEOPLE WANTING HIGH PERFORMANCE HOMES WITH A SMALL FOOTPRINT AND AFFORDABLE PRICE TAG. SUSTAINABLE. LIVEABLE. AFFORDABLE.

Read more about Jigsaw Housing's awards and team at [www.jigsawhousing.com.au](http://www.jigsawhousing.com.au)

# Hi, we're Jigsaw Housing

**Our philosophy is to simplify the sustainable design and building process to create comfortable, clever, energy-efficient homes.**

The JigsawModular system takes this philosophy a step further to provide a simplified, tailored design and build process ideal for people of the Canberra region seeking smart, high performance homes with a small footprint and an affordable price tag.

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PASSION. EXPERTISE. COLLABORATION. INNOVATION

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Jigsaw Housing is a unique collaboration between an Architect, Builder and Scientist. Our Architect/Director, Andrew Verri, has been an active member of the Australian Institute of Architects for over 10 years, and was recently awarded ACT Emerging Architect of the year. Award-winning Builder/Director, Tom Henderson, trained in Denmark and specialized in high quality, high performance homes in Canberra before being the catalyst for the creation of the Jigsaw team in 2010. Our Scientist/Director, Jenny Edwards, was a founder of Australia's first company specializing in building envelope testing using thermal imaging and air leakage analysis, and her energy efficiency consulting business, 'Scinergy', won the ACT Sustainable Cities Energy Innovation Award in 2010.

We have won numerous awards since 2010 and expanded our team to include several talented architects, experienced building professionals and dedicated administrators.



## MODULAR PRINCIPLES

GOOD DESIGN AND ORIENTATION WILL KEEP YOUR HOME WARM IN WINTER AND COOL IN SUMMER.

## SO WHAT IS MODULAR?

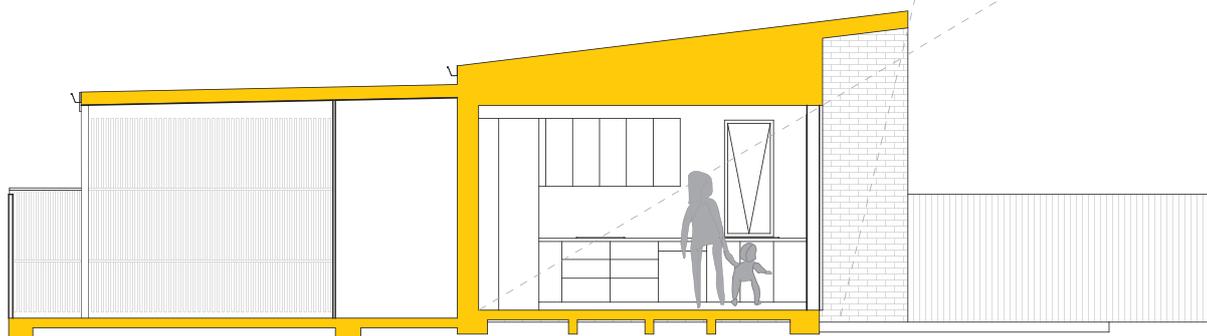
Jigsaw developed the modular concept during a 2011 community workshop series. The challenge was to create a cost-effective, 8 star home, featuring the key design priorities identified by the local people who attended: light, warmth, connection to the outdoors and good social space.

We discovered that we could distill the essential parts of a home into cost-effective modules (living, sleeping, utility) that can be arranged to suit a variety of block shapes and orientations, creating highly functional and energy efficient homes.

This modular process allows us to simplify, but not compromise, individualised design to create a home to match your particular needs and site, and the demands of the Canberra climate. It also means that we can provide early, and accurate, cost estimates that are so essential to first home buyers and people on a budget.

We are confident that this process will close the gap between inflexible and inefficient project homes, and expensive, custom designed homes. We have put the pieces together to solve this longstanding puzzle.

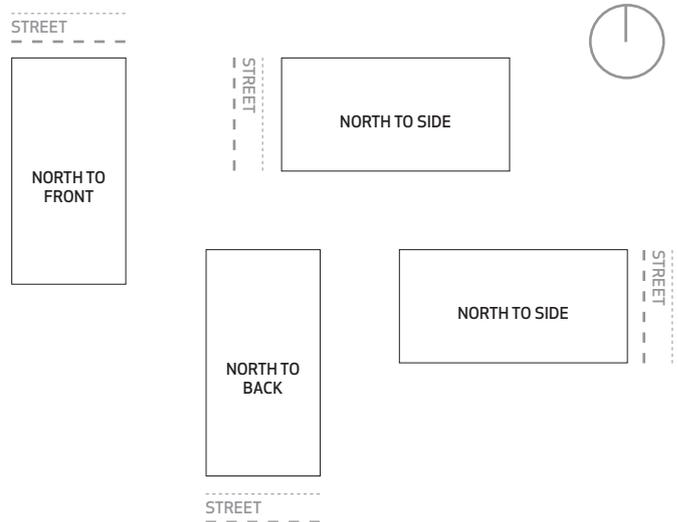
See more information about the changing path and angle of the sun in Canberra, and how important this is to designing comfortable energy efficient homes in our climate, on our website at: [www.jigsawhousing.com.au/canberra\\_solar\\_path](http://www.jigsawhousing.com.au/canberra_solar_path)



## DESIGNING FOR YOUR BLOCK OF LAND

Broadly speaking, block types can be divided into three categories: north to the front, north to the back, and north to the side.

Understanding and considering these categories helped us to develop a modular design system that can create a comfortable home with lots of northerly solar access on any of these sites.



## WHY NORTH?

Southern windows are a source of heat loss in winter. East and west facing windows can cause a house to overheat in summer.

Northern windows allow the winter sun to penetrate deep into a home and can be shaded easily in summer due to the change in the sun's angle throughout the year.

During cooler months, northern windows are the perfect way to heat an insulated concrete slab so that it will re-radiate warmth into your home for many hours. In summer a simple eave can block the sun's rays and your home will remain cool and comfortable.



