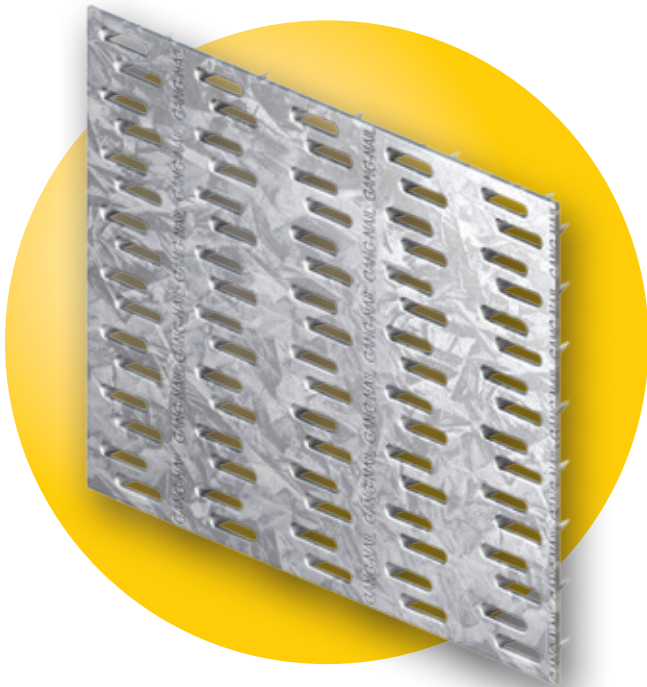


Design.  
**VERSATILITY.**  
STRENGTH. Quality.



creating the **advantage**

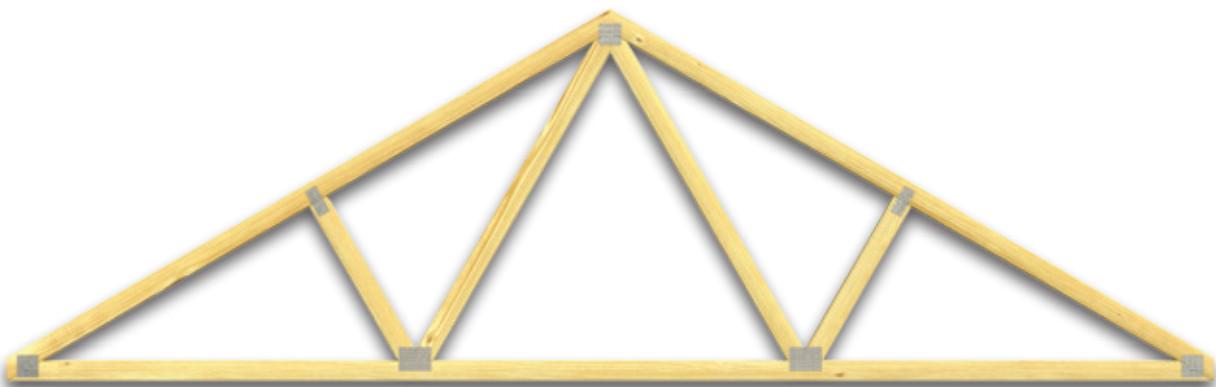


## RESHAPING THE WAY WE BUILD.

In the early 1960's MiTek introduced the Gang-Nail multi-toothed connector plate to the Australian Market. Naturally, the Building Industry was quick to adopt this far more time effective, timber saving and cost-efficient form of structural roof engineering. Perhaps the most significant change MiTek connector plates have made is they allow much of the structural work to be prefabricated off-site by highly skilled (licensed) roof truss professionals.

### ADVANTAGES:

- Designed and engineered to the highest industry standards
- Unlimited roof design flexibility
- Guaranteed quality
- Lightweight & easy to erect
- Time & cost savings
- Manufactured from timber, a renewable resource



## Get a 'TOP RESULT' every time.

Prefabrication ensures roofs are designed and engineered to meet the individual requirements of each particular job. MiTek's advanced software systems are an integral part of the prefabrication procedure – enabling fabricators the flexibility and power to answer the ever-increasing demands of new, and sometimes challenging, architectural designs.

Although primarily used to construct houses, timber roof trusses continue to make an impact in commercial and light industrial buildings. One of the key advantages is the, sometimes substantial, difference in costs when compared to alternative forms of construction.

In fact MiTek roof trusses have been used successfully in:

- Schools • Hospitals • Hotels & Motels • Warehouses & Factories
- Nursing Homes • Medical Centres • Community Halls & Clubs
- Churches • Offices and Retail Stores



- |                                 |                                                       |
|---------------------------------|-------------------------------------------------------|
| <b>1. MiTek Connector Plate</b> | <b>7. TrussSpacer</b><br>(Temporary Top Chord Tie)    |
| <b>2. Truss Top Chord</b>       | <b>8. TrussSpacer</b><br>(Temporary Bottom Chord Tie) |
| <b>3. Truss Bottom Chord</b>    | <b>9. SpeedBrace</b><br>(Permanent Bracing)           |
| <b>4. Truss Web</b>             | <b>10. PosiBrace</b>                                  |
| <b>5. Truss Apex</b>            |                                                       |
| <b>6. Truss Heel</b>            |                                                       |

## Why TIMBER PREFABRICATION has the WOOD on other building systems:

Timber prefabrication is the most popular method of home construction in Australia - with more than 100,000 homes a year built using this globally accepted method. And there are several reasons why timber prefabrication is so popular: 'stick and double-brick construction can take 8-12 months to build...a comparable home built with timber prefabricated wall frames and trusses, 6 to 8 weeks! That's trades in sooner and out sooner – residents (customers) in sooner!



Trees take in carbon dioxide and release oxygen into our atmosphere, particularly 'new growth.' Growing timber sucks in CO<sub>2</sub>, grabs the carbon for itself....then generates the O<sub>2</sub> for us to breathe; plus, 50% of timber by weight is carbon stored safely away. The environmental advantages don't stop there though – timber prefabricated homes can actually help you save money in the future because of their thermal benefits. The type of building materials you use can have a huge impact on things like future power consumption and, in particular: the power used to heat and cool your home.

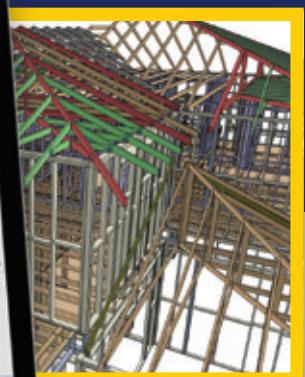
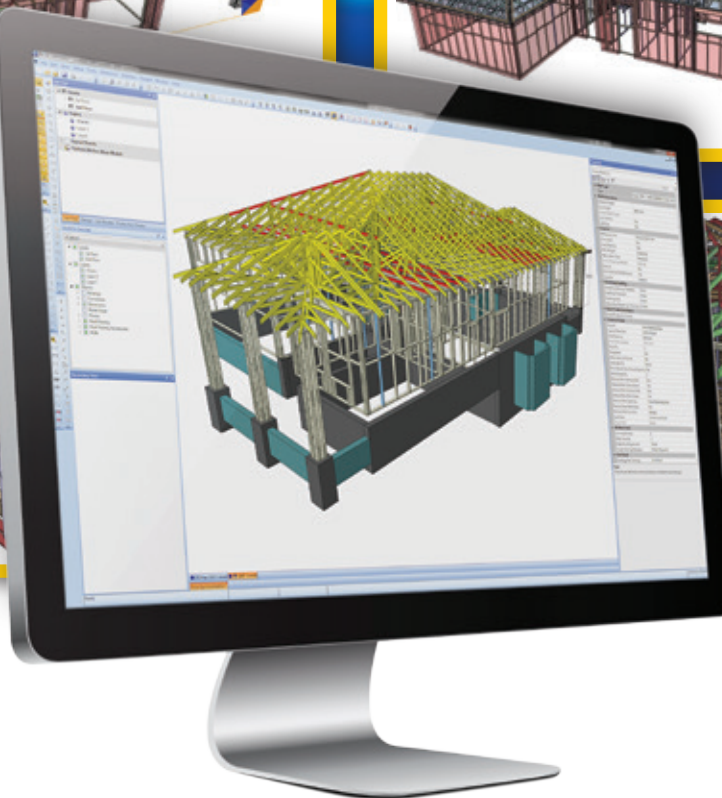
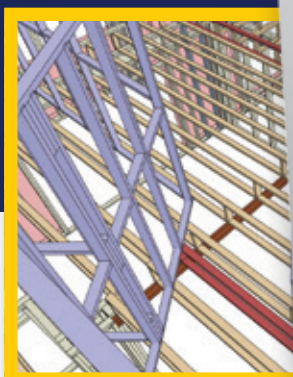
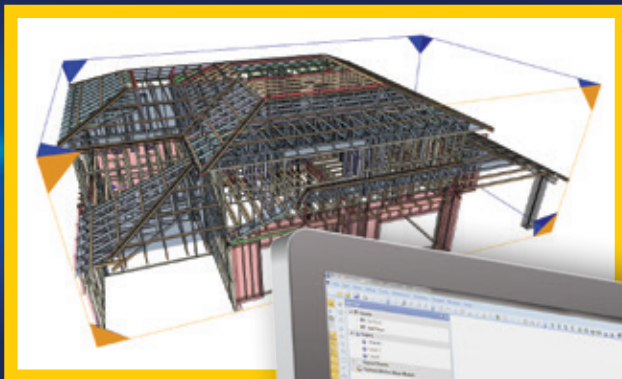
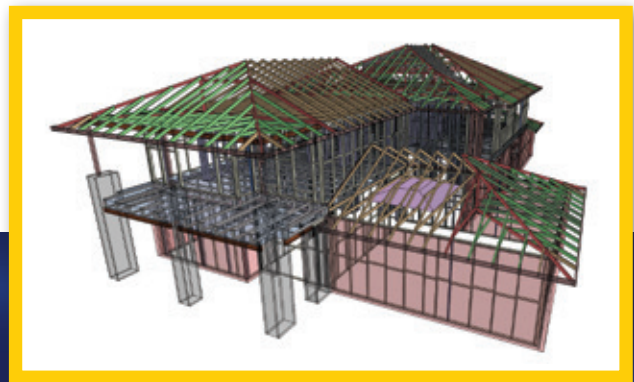
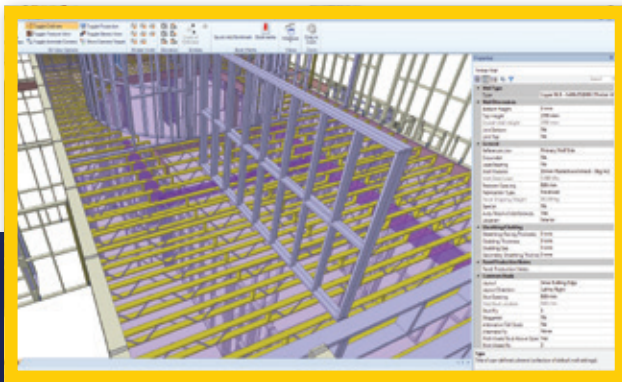


Timber Trusses installed with MiTek's award winning TrussSpacer.

## Advanced SOFTWARE answers even the most CHALLENGING PROJECTS.

One of the keys to improved timber truss design has been the on-going development of faster, smarter, more accountable software programs. MiTek leads the world in research and development in the building industry, with their own software programs gaining universal acceptance. The latest development, MiTek SAPPHIRE™, is the most powerful program ever developed. It's also the world's first truly 'whole-house' software suite. MiTek's software not only engineers solutions, which cater to each individual job, it also provides accurate detailed quotations and material take-off.

MiTek software, with its unique 3D visualisation enables you to 'travel through' the roof, and move around the whole structure, viewing every aspect of the job. You can even zoom in or highlight individual areas of interest, so you know exactly how the roof will be constructed before you commit to the job. No matter how complex the roof design, MiTek's software can create the most cost-effective, practical and structurally sound solution.



## Prefabricated ROOF TRUSSES at a glance:

### ROOF DESIGN FREEDOM

Unlimited roof shape design can be achieved using MiTek roof trusses. Everything from traditional designs to cathedral ceilings and even dome-shaped roofs can all be created.

### VERY STRONG

MiTek roof trusses can be specifically engineered to accommodate unusually heavy loads and cyclonic wind conditions, if required.

### LIGHT WEIGHT (easier to handle)

MiTek roof trusses are lighter than other forms of roof construction, so on-site handling and installation is a breeze. There are obvious safety advantages that come from working with light-weight materials too!

### TIME & COST SAVING

Custom made, engineered to your needs and speed of installation means less time on-site for builders. Costs are also kept under control because only what is needed on-site is delivered on-site.



For more information about Prefabricated Timber Roof Trusses or any other MiTek products or your nearest licensed MiTek fabricator, please call your local state office or visit: [mitek.com.au](http://mitek.com.au)



TTRUSS 05/14

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