

MiTek's 20/20 program gives 3D detail and insights into the way a building actually goes together – and how to reach the most cost and labour effective solution.

The power of MiTek's 20/20 program isn't just limited to the fabrication plant

# SUNBURY **takes up** the **CHALLENGE**



though – as more and more fabricators are finding out. Its ability to perform on-site is opening a whole new door of marketing opportunities for those fabricators looking for an edge over competitors.

Colour print-outs give the builder a handy reference tool on-site... especially when it comes to those complex jobs.

The program can even be brought on-site via a laptop. This enables the fabricator to bring up intricate details of how a job comes together at a glance. Complicated configurations of trusses and support beams can be seen in detail, making installation on-site a breeze.

“We do a lot of complex work – in particular, when it comes to some of the larger commercial projects,” said Brendon Schneider, head detailer & estimator with Sunbury Wallframes & Trusses. “And sometimes those complexities are transferred straight onto the building site. No builder can be totally up-to-speed all the time with every detail of a job – so being able to help the builder, site manager or carpenters on-site is a definite advantage. Fabricators don't want continuous call-outs, but sometimes they are genuinely warranted. And it's those occasions when MiTek 20/20 really does prove itself as an invaluable on-site tool.”

Sunbury Wallframes & Trusses pride themselves on being able to not only deliver a quality end product, but also provide the engineering information support that is critical on today's building sites. These days there are so many 'codes of practice' and 'rules and regulations' which need to be followed – especially with commercial projects as they require both: Form 11 'Certificate for compliance for design' and Form 12 'Certificate for compliance for inspection.'

“We draw on MiTek's experience and expertise to help with these – but do all the detailing and estimating ourselves with the MiTek 20/20 program,” added Brendan. On a recent large-scale project for an ambitious Architect wanting to 'make a statement', Brendan and the MiTek 20/20 program were both well and truly tested. This rather difficult job just off the Tullamarine Freeway included unusual truss designs, complicated tie-downs and strong wind factoring.



# “ready access to important data is a huge advantage on-site.”

In fact, the MiTek 20/20 program loves a challenge because that's where it really does establish itself as the most powerful prefabrication program ever seen.

**FABRICATOR ADVANTAGES:**

- Fast, accurate detailing
- Fast, accurate estimating
- 3D visualisation
- Improves manufacturing efficiencies
- Design versatility

**BUILDER/ON-SITE ADVANTAGES:**

- 3D visualisation – with image rotation
- View close-ups of roof assembly
- Colour-coded print-outs work as an on-site guide for roof assembly
- A handy tool – especially for complex jobs
- Ready access to valuable data

**FABRICATOR:**  
Sunbury Wall Frames & Trusses

**BUILDER:**  
Hickory Constructions

“This project was built on top of a new four storey steel and concrete complex. The ground floor housed an Officeworks store, the rest, apartments. Our part in all of this – wall frames and trusses for more apartments and a huge cantilevered series of ‘sails’ measuring at their

means making sure it's right on-site too!”  
With every challenge comes responsibility. “I found myself on-site, laptop in hand on more than one occasion on this project, but that's OK; it's all part of the service Sunbury provide,” said Brendan.



extremity, some 7.2m beyond the wall line,” said Brendan. The fact that this structure was so elevated meant strong winds (up to 30 kN) had to be factored into the engineering computations. This also meant a proliferation of tie-downs, including 16mm diameter threaded steel rods fixed to the trusses, passing 2.7m down through the wall frames and secured 300mm into the concrete slab floor. The majority of this cantilevered section was made up with 1/2 pitch Warren Trusses... some were triple-large trusses, double trusses and the rest single.

“Just designing a job like this is a challenge... but we've found MiTek 20/20 can handle even the most complicated scenarios with ease. And we should know – with all the challenging jobs we tend to take on,” added Brendan. “But detailing and estimating are only part of the job. When a fabricator takes on a project they take it on from start to finish...and that

“The MiTek 20/20 program allowed me to call up valuable dimensions and weight information. Having immediate access to this sort of data proved a great resource. The time saving advantages were huge. Plus, we could use 20/20's 3D visualisation to provide builders with close-up, detailed information on how components went together. It was smooth sailing from then on for this ‘sail’ creation.”



creating the **advantage**

To find out more about MiTek 20/20 or any other MiTek products, call your local office or visit: [www.mitek.com.au](http://www.mitek.com.au)

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