

Welcome to Spring Techtalk

In this issue we introduce new team members Shaun Hogkinson and Andrew Wills, update you on a world-first building for Wellington and highlight some recent projects we've been busy working on.

// Tall Timber

Great news for the New Zealand timber industry recently with the announcement that Sir Bob Jones is planning to build the world's tallest wooden office tower in downtown Wellington.

The building, which will stand 52 metres tall, is due to be completed in 2018. While some will question the safety and longevity of a wooden building, Victoria University's law school, the biggest timber structure in the southern hemisphere, is proof that wooden buildings can stand the test of time having occupied its site for 150 years.

Image credit: Studio Pacific Architecture

Fire performance in Techlam products – it's hot!

We are proud of the fire resistance rating (FRRmax) that our products achieve.

With correct design and installation, our tongue and groove structural laminated flooring can achieve up to 150 minutes FRRmax.

FRRmax for floor systems is determined for the maximum allowable spans (L_{max}) and cantilever length (L_{cmax}). It is assumed that only the underside of the floor is exposed to fire and that the char rate of the timber is 0.65mm/min.



With fire resistance ratings like this, Techlam Structural Flooring is a perfect solution for mid floors, with the added benefit of reduction in the amount of sub-floor framing required.



// Meet the new faces at Techlam



Shaun Hodgkinson, Techlam's newest account manager, has spent more than a decade in sales and customer service. He has a solid history in customer relationship building and management and loves creating practical solutions to solve our customer's problems.

"Always make sure your goals scare you a little, it's the only way to ensure personal growth."



In July of this year we welcomed **Andrew Wills** to the team as Techlam's Chief Financial Officer. Andrew has many years' experience in finance and accounting in a variety of industries including accountancy, public sector and manufacturing.

"I enjoy working in manufacturing industry as it is dynamic and challenging, and you get to work with many different people and skill sets under the same roof. My aim is to ensure that the whole Techlam team fully understands the financial figures behind the business operation and their own areas, and to provide the assistance and advice required to help the business operate at its best."

And talking of staff, in July our entire team attended a **team building day** at Orlando Country, just outside of Palmerston North. The day was spent developing teamwork, our company strategy and how we can continue to deliver great value to our customers. We learned a lot about ourselves and how we communicate and work as a team. The day was a huge success, although some suspect golf shots were played!

// Recent projects

Check out some exciting projects both here and overseas that feature our structural laminated timber.

CCCS Jubilee Church, West Samoa

Malua is a small village on the Samoan island of Upolu and CCCS has been building a new church for the last few years.

We became involved in the project early in 2015 and quickly realised the roof design was going to need changing to enable it to perform in the cyclone prone area.

We worked with the Church and engaged our engineer to redesign the structure so it was stronger, and more importantly for the client, more efficient and less costly to build!

We created a design that incorporated a 'box beam' configuration. This meant we could create a beam that matched the width of the concrete columns already poured on site, enabling a seamless transition from the walls through to the rafter beams. The beams are a massive 19 metres above the floor level!



Te Wharehou, Lake Waikaremoana

The large-scale use of timber combined with the curved wall and mono-pitched raked curved roof contour gives this building a warm and welcoming atmosphere.

Main portal frame roof structures were prefabricated and stained at the Techlam factory before we delivered them on site to be assembled. This process guaranteed an efficient and cost-effective building process for the Waikaremoana Tribal Authority, who commissioned the project.

Glulam products bring significant benefits to large-scale projects such as this one - projects that demand the highest quality consistently. Compared with other materials commonly used in construction such as concrete and steel, the manufacture of glulam timber also uses less energy, resulting in a significantly smaller environmental footprint.



November 7
Happy Birthday to us :)

25 years
young

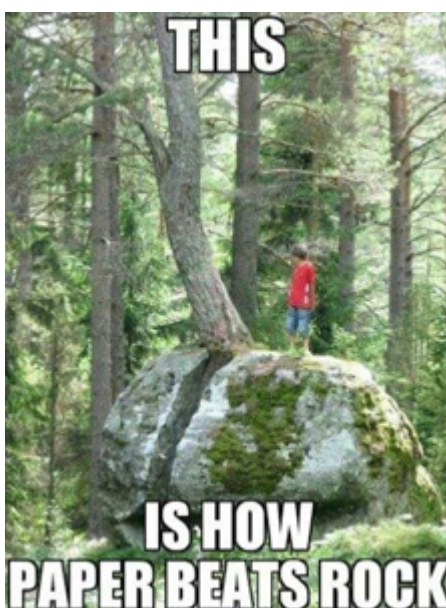
// Product feature: Glulam Portals

Cost effective and strong.

Laminated timber portal frames are a cost-effective structural solution and have long been used in place of steel or other materials to provide large spans.

Timber portals also have low maintenance requirements in corrosive environments such as swimming pools or coastal locations. They also have a high fire resistance rating making them a safer option.

We manufacture all types of portals including curved knee and plywood gusset portals. Whatever your portal requirement, we will work closely with your structural engineer to find the best, safest and most cost effective solution.



Win Win!

Don't forget to enter our monthly competition – it only takes a minute to enter the draw to win a Logitech X300 Mobile Bluetooth Wireless Speaker.

Congratulations to July's winner, Mike Schimanski from Carters Maungaturoto.

Well done!