

PRECAST NEWS 04

MEMBERS/INDUSTRY EDITION JULY 07

PRECAST NEW ZEALAND INC. WWW.PRECASTNZ.ORG.NZ



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WORD FROM THE PRESIDENT

Welcome to the 4th issue of the Precast New Zealand Industry Newsletter.

Well here we are again, three months since our last newsletter and unfortunately I have to report that the major focus of the president and executive officer of Precast NZ is still directed at dealing with legal opinions and attending industry meetings relating to the Department of Corrections prison precast operations at Paremoremo competing in the commercial market place. While at times this can be frustrating (not to mention expensive) PCNZ sees this issue as crucial in protecting the rights of fair trading for our members as well as ensuring precast continues to be regarded as a quality product and a preferred building option.

On a brighter note Precast NZ, and other concrete industry bodies, have been working with the Building & Construction Industry ITO (BCITO) over the past two years discussing the most appropriate approach to take to provide an industry inclusive qualification pathway that represents the broad nature of the concrete industry.

A proposed qualifications structure has been developed and is considered to be a good outcome for precast and which Precast NZ fully supports.

It is also pleasing to report that a total of 102 trainee apprentices are registered with the BCITO. Two course completions were recorded in Auckland. New trainees numbered 37 spread throughout the country.

Planning is well underway for representatives of Precast NZ to attend a combined meeting with the National Precast Association of Australia in Sydney during August. The meeting will take the form of site visits and meetings. The meetings provide excellent opportunities to discuss technical and commercial precast issues on a wider basis than the NZ environment. The NZ party comprises members and associates numbering 13 together with partners

As we do every year a South Island meeting of PCNZ was held at the Firth offices in Christchurch on the 24th of May. This was well received and we were fortunate enough to have Stefano Pampanin as our guest speaker. As you may have already guessed Stefano's presentation was based around the advantages of the Press Technology and I am pleased to be able to report that as a result of this there have been some positive leads through our members that are likely to result in the technology being adopted in real life projects in the very near future.

This edition of our newsletter features a member precaster Fulton Hogan Precast who is now operating on a national basis and an associate member SIKA who supplies a variety of supporting products into our industry. As we go to press it has come to my attention that another well known long time national operator, Stresscrete, is undergoing a sale process.

Please remember if you have any industry news or information you consider would be beneficial to the ever growing list of recipients of the PCNZ newsletter, please contact our executive officer (Ross Cato) to arrange for inclusion in the next issue.

Russell Bennetto *President Precast NZ*

01 Building & Construction ITO (BCITO) > The

Representatives of the precast industry recently attended a BCITO strategy meeting held during May. The meeting was concerned with obtaining support for a classification change for the concrete industry National Certificate in Concrete Pre-cast.

The concrete industry and BCITO have been working over the past two years discussing the most appropriate approach to take to provide an industry inclusive qualification pathway that represents the broad nature of the concrete industry.

To provide clarity for industry, prospective trainees and providers, the precast concrete industry wishes to have in place its own recognisable sub-field and unique domains that take into account the industry's broad and diverse nature and the technical knowledge and skill levels required in today's construction environment.

The proposed qualifications structure is a good outcome for precast which Precast NZ fully supports. Example components of the precast qualification structure are:

Product Manufacture,

Construction, Pre-cast Production, Technology, Supervision and Core Skills (common to all training qualifications).

It is also pleasing to report that a total of 102 trainees are registered with the BCITO. Two course completions were recorded in Auckland. New trainees numbered 37 spread throughout the country.

02 Plant Visits > Precast NZ

wishes to promote site visits to Member plants throughout New Zealand. The precast industry

believes it is an activity that assists in promoting understanding between head contractors, specifiers, project managers and members. Particularly in the areas of precast manufacture and sub-contract supply.

Anyone wishing to visit off-site precast manufacturing plants please contact Ross Cato at 09 6389-416.

03 Prison Labour – Corrections Inmate Employment (CIE) Marketplace operations

➤ Precast NZ has received advice from the Auditor General that “it is for the courts to determine whether an entity (Dept of Corrections) has acted lawfully in a particular situation – not the Auditor-General”.

The PCNZ case was put for the withdrawal of prison labour competing in the commercial

market place. Further options available to Precast NZ are limited to legal action through the courts and / or another meeting with the Minister of Corrections. In the meantime data is continuing to be collected from contractors which assists out case for presentation to the Minister.

04 Web-Site ➤ A Members only web page has been designed and uploaded. It is about to undergo trials and is planned to go onstream next month.

05 Hollowcore Manufacturers (Precast Flooring Overview Group (PCFOG)) ➤ Precast NZ were recently advised of the resignation of Dene Cook (now with Firth) from the PCFOG. A proposal has been put to David Hopkins, chair of the Overview Group, to replace Dene with Rod

Fulford a highly experienced engineer and former member of the technical Advisory Group at the University of Canterbury.

The Group is made up of members from the Earthquake Society, Concrete Society, Sesoc, ACENZ and Canterbury University.

06 Land Transport NZ, Transit NZ – Standard Highway Bridge Beams – Stage 2.

➤ A Wellington meeting was held on 12 April 2007 between representatives of Beca, Opus and the highway bridge deck manufacturers (Heb Precast, Stresscrete and Stahlton Prestress Concrete (Fulton Hogan)). The meeting considered the comments and recommendations raised by the bridge deck manufacturers in their 15 February 2007 report to the industry committee. Discussions between attendees was

productive and lead to mutually acceptable solutions. Beca and Opus will incorporate these outcomes into their designs prior to verification of the designs between Beca and Opus.

07 Joint Meeting – New Zealand & Australian

precasters ➤ A joint meeting between Precast NZ and the National Precast Association of Australia will be held on the 9th and 10 of August 2007 in Sydney. This will be the third meeting of the national precast associations and will comprise a day of plant and site visits followed by meetings to discuss the promotion of precast, sub-contract issues and new product developments. A party of 12 and partners will be attending from New Zealand.

MEMBERSHIP

CORPORATE MEMBERS	PHONE No.	ASSOCIATE MEMBERS	PHONE No.
Ashburton Prestress Concrete	03 308 2397	0800 Ducting Ltd	07 343 9505
Atlas Tilt Slab	09 426 9497	Allied Concrete	03 217 1612
Bradford Precast Ltd	03 308 9039	Argon Construction Ltd	09 274 5672
Busck Prestressd. Conc Ltd	09 438 3059	Austin Carr & Co Ltd	09 535 5245
C. Lund & Son Ltd	03 349 6900	BASF Construction Chemicals NZ Ltd	09 414 7233
Central Precast Ltd	06 355 5125	Bridgeman Concrete	06 879 7254
Emmetts Civil Construction Ltd	06 349 1788	Canzac Ltd	03 343 4254
Formstress Industries Ltd	09 235 7257	Demden Ltd	07 575 5410
Fulton Hogan Concrete Div	03 418 2880	Firth Industries /Certified Conc.	09 525 9193
Heb Precast	07 575 2325	Fletcher Reinforcing	09 570 1383
Hynds Precast	09 274 0316	Holcim New Zealand Ltd	09 580 4730
Lathey Civil Engineers Ltd	06 879 8364	Humes Pipeline Systems	09 580 0781
Precast Compts (Wgtn) Ltd	06 364 8355	Mainzeal Property & Construction Ltd	09 375 2100
Precast H.B. Ltd	06 835 8315	Mike Herlihy Consulting Ltd	03 325 1165
Smith Crane & Construction Ltd	03 359 7759	RC Macdonald Ltd	04 472 4924
Stahlton Prestressed Concrete	09 831 0107	Reid Engineering Systems	09 444 4122
Stevenson Precast Sys. Ltd	09 274 0726	Sika (NZ) Ltd	09 828 7002
Stresscrete - North Island	09 525 9212	TCT Project Managers Ltd	06 877 1948
Stresscrete - South Island	03 344 3014	Vulcan Steel Ltd	09 273 7214
Thelin Construction	03 544 8906		
Wilco Precast Ltd	09 295 1060		
Wilson Precast Construction Ltd	09 294 7207		



Overview:

Fulton Hogan Precast is a specialist manufacturer and supplier of prestressed and precast concrete products. The purchases of Stahlton and PreCast Components just recently means the company has a presence in Auckland, Hamilton, Otaki, Christchurch, Balclutha and Dunedin and product suppliers in Ashburton, Papua New Guinea and Melbourne Australia.

Examples of Products:

Fulton Hogan Precast yards supply Prestressed products such as Hollowcore, Double Tees, Flat Slab, Shell Beams and the Stahlton Rib and Timber system. The Auckland yard also makes Super Tees and Double Hollowcore bridge beams. Precast products such as wall panels and columns are also made in most of the Fulton Hogan Precast sites which means a complete package can be supplied to most projects.

Research & Development

Fulton Hogan Precast structural concrete systems have been developed by New Zealand engineers to satisfy the requirements of the countries construction industry and associated design standards. The company has a strong focus on product development and testing to match the constantly changing demands of a competitive building industry. Recent innovations include an extra wide Double Tee custom made for carparking systems and a Spaced Hollowcore system which still delivers fire and acoustical STC ratings as per the standard system.

Recent Projects:

Fulton Hogan Precast Auckland branch is supplying the bridge beams for the State Highway 20 and the Northern Gateway projects. These bridges are a combination of Double Hollowcore and Super Tees.

Balclutha and Dunedin yards combined together to complete the Queenstown courthouse project. Precast panels were supplied from Dunedin and the prestressed flooring system (Shell Beams and Stahlton Ribs) came from Balclutha.

Client Services:

Fulton Hogan Precast offers the following services;

- Technical advice at preliminary design stage
- Estimate at tender time
- Shop drawings and problem solving concerning any construction issues
- Quality product delivered to site
- Queries in general throughout the project
- Producer Statement at conclusion of project

For More information:

Fulton Hogan Precast

Telephone: 0800FHPRECAST

Facsimile: 09 833 4408

Airdrie Rd, Ranui

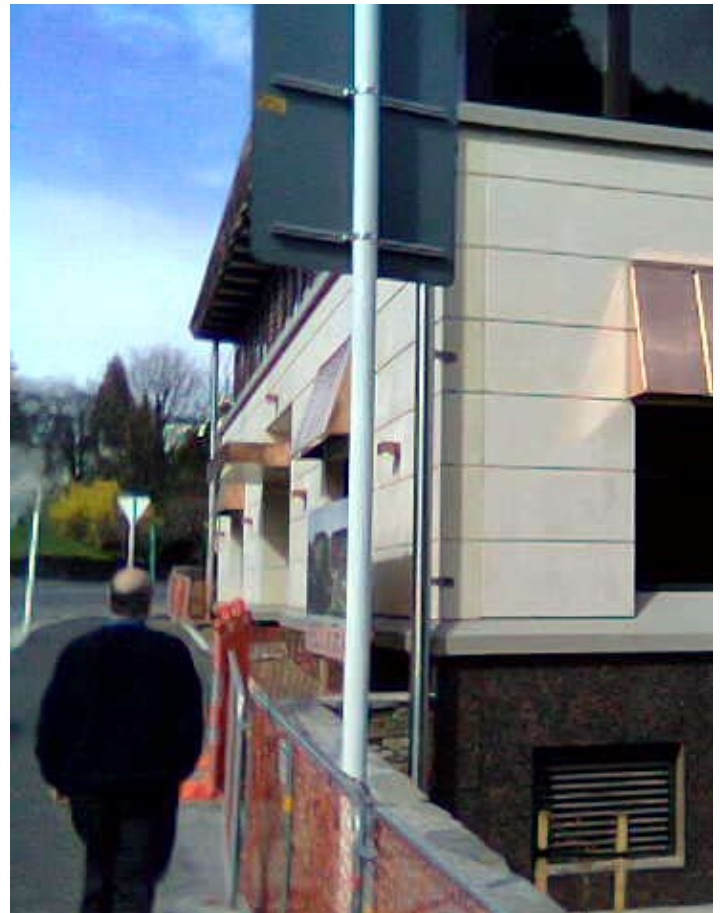
Auckland

Email: info@fhprecast.co.nz

Website: www.fhprecast.co.nz



Otanerua Viaduct At 256 metres long and 25 metres wide and a cost of \$10 million, the Otanerua Viaduct towers 35 metres above the Otanerua Stream. Each span of the bridge deck comprises ten 1.5 metre deep Super Tee beams covered by a continuous in situ concrete deck slab. Each of the 31 metre long Super Tees were delivered to site by truck and rear powered jinker from Fulton Hogans precast manufacturing yard.



Queenstown Courthouse



Overview:

Sika is a Swiss multinational company which has been in New Zealand since 1959. Now with an international network of production and marketing companies in over 70 countries the company has a truly global presence and is a recognised leader in specialty products for the ready mixed concrete, civil engineering and construction industries.

Examples of Products:

As a leading supplier of specialty chemicals, Sika has a wide range of concrete admixtures and support products available for the precast and ready mixed concrete industry.

Sika offers air entrainers and water reducers to provide improved workability and water reduction; retarders and accelerators to regulate set times. There are fibres to reduce plastic shrinkage cracking, along with admixtures to waterproof, control shrinkage, and provide corrosion protection. Other products of interest are surface retarders for construction joints and decorative finishes, and chemical or water-based form release agents. Curing agents and an evaporation retardant are also available.

Of particular interest to the Precast Industry is our range of early age strength superplasticisers. The advantages are numerous for both the production of precast elements and Self Compacting Concrete. Benefits include: earlier finishing/demoulding/detensioning and transportation. Less repairs, good surface finish, higher final strengths and shorter construction times resulting in reduced energy and labour costs.

Sika ViscoCrete allows customers to maximize water cement ratio reduction and – thanks to shorter curing cycles – to raise their capacity in precast element production.

Research & Development

Sika is a company with a strong innovative tradition, constantly striving for new levels of excellence. This means developing innovative technologies that will open up new opportunities for the company, its employees, and its partners in trade and industry.

Client Services:

Our nationwide customer services team and technical staff are available for your orders or enquiries on 0800 SIKA NZ.

For More information:

SIKA (NZ) LTD

Telephone: 0800 SIKA NZ (0800 745 269)
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Branches: Auckland, Wellington, Christchurch
Email: shieffelbein.phil@nz.sika.com
Website: www.sika.co.nz



Self Compacting Concrete using Sika's specialised admixture technology strongly reduces honeycombing and surface defects, meaning less repairs (as illustrated in the top image), and smooth and uniform surfaces can be achieved especially around complex details (above).