

STEEL FUTURES



Latest Industry & SCNZ News

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SCNZ SETS STEEL AGENDA WITH SUCCESSFUL AGM AND CONFERENCE

On Friday 16 September 2016 around 80 SCNZ members and their partners descended on the magnificent venue - "The Old Church" in Napier - for SCNZ's Steel Agenda (AGM & Conference).

The event got underway with a visit to the local Weldwell Factory to give delegates a unique insight into the work of New Zealand's only manufacturer of Arc Welding Electrodes. Weldwell uses traditional manufacturing methods to create the



MEMBERS' FORUMS & SOCIAL EVENTS
HAWKE'S BAY, NAPIER – 16 SEPTEMBER



electrodes rather than automation.

The first part of the afternoon conference session opened with a Fabricator Forum. Terry Buchan, Auckland Regional Manager at Hawkins Construction, gave an overview of the company's key projects and outlined what they look for when selecting a steel contractor/partner. Terry also explored competing with offshore steel and how fabricators can provide a better service and make themselves more attractive than overseas fabricated steel.

This was followed by a Client Panel Discussion, which gave delegates the opportunity to put questions to an expert panel on the Steel Fabricator Certification scheme, fabricator selection and the future of the structural steel market. The Panel consisted of two main contractors (Terry Buchan – Hawkins Construction and Steve Meek – Gemco); an engineer (Guy Lethbridge – Strata Group); and a welding inspector (Rob Penney – Southern QA).

The Fabricator Forum concluded with the SCNZ Annual General Meeting (AGM), at which Mike Sullivan (D&H Steel Construction and past SCNZ Chairman) thanked Alistair Fussell for his huge contribution to SCNZ and for being a very strong Manager. Mike also commented on how much he had enjoyed working with Alistair during his years serving on the Executive Council. Elections were held for the Chairperson and Vice-Chairperson. See [“2016/2017 Chairman and Vice-Chairman Elected”](#) for more information.



Rob Penney, Southern QA

Following a short break, Alistair Fussell welcomed everyone to the General Member Forum – his last event as SCNZ Manager – and introduced a series of diverse, informative and inspirational speakers.

Rob Penney, Director/Technical Manager at Southern QA, outlined valuable observations on quality assurance of imported steel materials and structures. Rob highlighted local fabrication issues, acknowledged the SFC scheme as “very beneficial” and called for more robust material checking for both local and overseas manufacture.

Bob Hawley, Managing Director of Red Steel, gave an interesting insight into the design and construction of Deleat Winery - a new purpose built wine making facility in Hawke's Bay.

Lawrence Yule, The Mayor of Hastings then took the podium to discuss growth pressures and changes facing New Zealand and Hawke's Bay; before helping HERA's Michail Karpenko to present certificates to the latest round of fabricators to achieve Steel Fabricator Certification. See [“Three New SFC Certified Fabricators Celebrated at Steel Agenda”](#) for more information.

Keynote speaker Sam Hazledine, Ernst & Young and Young Entrepreneur of the Year, combined his proven and much decorated business experience with energy and enthusiasm to memorably wrap-up the afternoon session. Sam is regarded as one of the brightest young business minds in the country and passionately shared the lessons he has learned to help us recognise that success lies at the intersection of mind-set and action.

Following the General Forum came networking drinks and the climax of the day, the highly enjoyable evening gala dinner. Everyone was kept entertained by the down-to-earth and extremely funny Jamie Fitzgerald, world-class adventurer and leadership development consultant, who not only took on the job of post-dinner speaker but also spent time mingling with delegates and chatting.

The event concluded with the presentation of the inaugural SCNZ Apprentice of the Year Award. See "[Congratulations To Our Apprentice Of The Year Winner](#)" for more information.



Sam Hazledine, Keynote Speaker

The social side stretched into the weekend with many delegates taking the opportunity to enjoy a winery tour on Saturday morning.

Many thanks to everyone who attended and to the SCNZ staff who worked hard to make this event so successful and enjoyable. Don't forget to rate your experience on the SCNZ app.

Presentations from the event are available on the SCNZ App. If you have any questions or feedback, please contact Chris Burns, Senior Structural Engineer – Industry (email: chris.burns@scnz.org or phone: 09 262 6684).



Delegates enjoying the gala dinner

SFC TO BECOME MANDATORY FOR ALL SCNZ FABRICATOR MEMBERS

SCNZ members voted unanimously to introduce the Steel Fabricator Certification (SFC) qualification as a compulsory requirement for all fabricator members at the September AGM in Napier.

Launched in 2014, SFC is an industry-led quality assurance scheme that aims to reduce risk for specifiers. It ensures participating structural steel fabricators are capable of manufacturing product to the specified quality standard by certifying companies have the appropriate personnel and quality management systems in place.



This new resolution provides an important point of difference for locally fabricated steelwork compared with offshore competitors; and means that SCNZ membership will be much more than simply paying an annual fee.

New members must now qualify for SFC prior to being inducted into the organisation and then ensure they maintain their standard. Existing SCNZ members have four years to meet the new requirement. This timeframe will allow sufficient time for the certification process – there are currently 64 steel fabricator members to be certified and the SFC process involves an initial audit followed by annual reviews.

Bob Hawley, SCNZ Chairman says: “Our fabricator members have shown overwhelming support for the SFC scheme and to raising industry standards. We are committed to providing compliant product of the highest quality for building and infrastructure projects up and down the country.

Terry Buchan, Hawkins Construction Auckland Regional Manager, comments: “Compliant product that meets New Zealand standards is of paramount importance to our building and infrastructure projects. As a major customer of the structural steel industry, we applaud SCNZ and its members for taking this positive step to bolster the quality assurance of the fabricated steelwork produced locally. It’s a welcome development that will give us increased confidence in New Zealand fabricated product.”

Significantly, the SFC scheme raises the bar by providing independent, expert certification of New Zealand fabrication companies. Independent auditing body HERA Certification has been established to audit and certify steel fabricators to ensure they have both the welding and the fabrication quality management systems in place to consistently produce fully compliant steelwork.

For more information about the scheme, please contact Chris Burns, Senior Structural Engineer – Industry (email: chris.burns@scnz.org or phone: 09 262 6684).

THREE NEW SFC CERTIFIED FABRICATORS CELEBRATED AT STEEL AGENDA

As SCNZ members voted unanimously to introduce the SFC qualification as a compulsory qualification at SCNZ’s September AGM, another group of structural steel fabricators succeeded in achieving certification.

HERA, together with The Mayor of Hastings, Lawrence Yule, presented SFC certificates to Queenstown Engineering, Southern Cross Engineering and Steelworks NZ at SCNZ's Steel Agenda (AGM & Conference).

Developed jointly by SCNZ and HERA, the SFC scheme provides procurers and specifiers with reduced compliance risk. The launch of the independent quality assurance scheme marked a major milestone for our industry, creating an important point of difference for locally fabricated steel compared with imported prefabricated steelwork.



HERA Welding Centre Manager, Dr Michail Karpenko, and The Mayor of Hastings, Lawrence Yule, presenting Southern Cross Engineering with their SFC certificate

Chris Burns, SCNZ Senior Engineer (Structural), comments: “We are thrilled that 23 fabricators – representing nearly a quarter of our fabricator members have now achieved certification under this scheme, ensuring that 75% of the local industry output is meeting international best practice.”

More information about the SFC scheme and the 23 certified fabricators is available at www.steelfabcert.co.nz.

CONGRATULATIONS TO OUR APPRENTICE OF THE YEAR WINNER

Thomas Forbes of Napier-based steel fabricator Red Steel became SCNZ's first Apprentice of the Year when the inaugural award was announced during a gala dinner at the Steel Agenda (AGM & Conference).

Thomas was presented with a trophy, certificate and \$1,000. Runner up Louie Lumampao of John Jones Steel received a highly commended award and \$500.

The SCNZ Apprentice of the Year Award, in association with Weldwell, acknowledges people whose skills, drive and willingness to learn and work hard has helped them to achieve outstanding outcomes. It recognises well-rounded apprentices who demonstrate not only talent in steel fabrication, but display traits important to the industry – commitment, innovation and ability.

24-year-old Thomas was stoked to win the award, and says he is always up for new challenges. He credits his drive to demonstrate initiative for his success. “I’m constantly focused on improving outcomes, such as decreasing fabrication time through different fabrication methods and procedures.”

Red Steel workshop manager, Alister Varcoe, says that Thomas regularly impressed him with his ability to learn. “Thomas rapidly became proficient at drawing interpretation and job planning. This, coupled with his exceptional ability to both fabricate and weld, allowed me to give Thomas the opportunity to work on projects traditionally reserved for long-serving tradesman. Thomas was given an extremely long leash with these projects and it was not long before he separated himself from the crowd and became one of my go-to men for the difficult projects.”



Apprentice of the Year 2016 winner, Thomas Forbes

The judging process spanned two months. Finalists were invited to a face-to-face interview with the four-person judging panel, after which they were put through their paces during a practical skills exercise.

“We had two excellent finalists that highlighted the impressive ability of apprentices within our industry. The quality of both of their practical exercises was extremely high, which made it particularly difficult for the judging panel to determine the overall winner,” says judging panel spokesman Grant Simpson of Weldwell.

The Award is part of SCNZ’s work to promote careers and training in the structural steel sector. “Importantly, a steel structure is the product of a highly skilled team, and each team member is essential to the overall success of the project. The structural steel sector boasts a wide variety of careers, and each offers challenging and rewarding opportunities,” says SCNZ manager Alistair Fussell.

2016/17 CHAIRMAN AND VICE-CHAIRMAN ELECTED

Congratulations to Bob Hawley (Steel Constructor: Red Steel Ltd, Napier) and Dave Hardy (Steel Distributor: H J Asmuss, Auckland) for their election to the positions of Chairman and Vice-Chairman respectively by the Council elect at the SCNZ AGM in Napier on Friday 16 September.

Following a ballot for the Associate representative, Mike Klemick (Dimond, Auckland) has been re-elected to the position.

The 2016/17 Executive Council is:

Associate

Mike Klemick (Dimond)

Professional

Scott Miller (Silvester Clark)



*Bob Hawley
(SCNZ Chairman)*

Steel Constructor

Bob Hawley (Red Steel)
Wayne Carson (D&H Construction)
Frank van Schaijik (John Jones Steel)

Steel Distributor

Peter Donohue (Steel & Tube Holdings)
Dave Hardy (H J Asmuss)

Steel Producer

Craig Taylor (Onesteel NZ)
Nigel Bradley (NZ Steel)



*Dave Hardy
(SCNZ Vice-Chairman)*

For more information about SCNZ's Executive Council, please visit the [SCNZ website](#).

SCNZ APPOINTS NEW MANAGER

We are pleased to announce the appointment of Darren O'Riley as the new SCNZ Manager.

Darren has a sales and marketing background with business development experience, which have been identified by the Executive Council as key attributes required to move the organisation forward.

SCNZ Chairman, Bob Hawley, comments: "We believe that Darren has the skills and vision to ensure that our industry continues to adapt to support the needs of our members and clients. Establishing future targets for SCNZ while continuing to promote the SFC scheme will be Darren's priorities as he continues and expands the role previously held by Alistair Fussell. We look forward to welcoming and supporting him."

Darren comes to SCNZ from Fletcher Aluminium, where he has worked for the last 16 years, building up valuable experience as Franchise Manager and more recently as Components Business Manager. Prior to that, Darren held the positions of Sales & Marketing Manager for Plyco Doors and Product Manager for Marley NZ; and also spent a number of years at BHP NZ Steel.



*Darren O'Riley, SCNZ
Manager*

Darren comments: "I am thrilled to be the new Manager of this unique organisation, and look forward to the challenge of working to ensure that the structural steel industry has an exciting and prosperous future ahead."

Darren will start his new role as SCNZ Manager on Monday 31 October.

SPARE INDUSTRY CAPACITY TREND CONTINUES INTO 2017

SCNZ's second Structural Steel Industry Snapshot has revealed that structural steel fabricators will continue to have significant spare capacity for the first two quarters of 2017. This is despite the continued boom in construction activity driven by the Auckland market and the Christchurch rebuild.

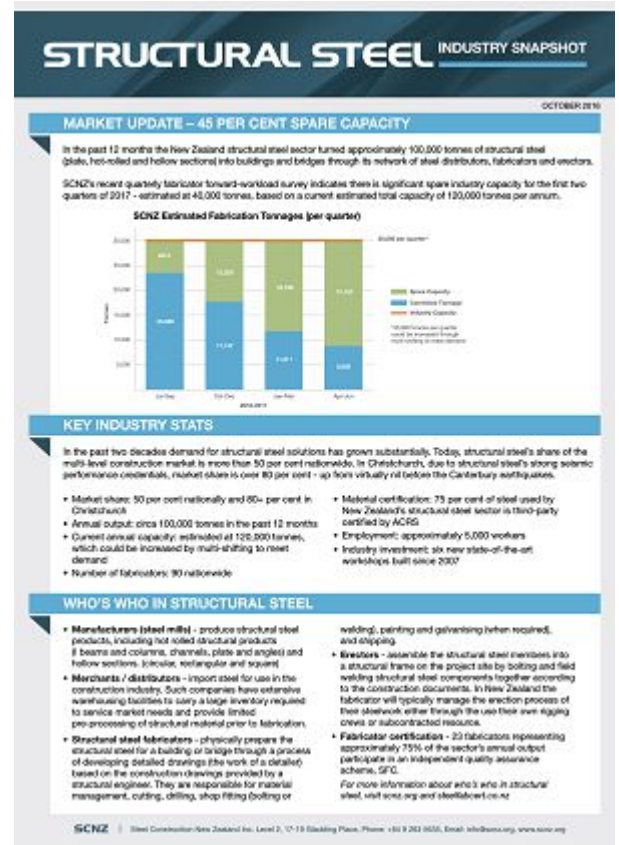
In the past 12 months the New Zealand structural steel sector has turned approximately 100,000 tonnes of structural steel (plate, hot-rolled and hollow sections) into buildings and bridges through its network of steel distributors, fabricators and erectors.

Going forward, a fabricator forward-workload survey indicates that there is spare industry capacity for the first two quarters of 2017 – estimated at 40,000 tonnes, based on a current estimated total capacity of 120,000 per annum.

This half-yearly report contains solid data on industry capacity, market share etc. It is a key tool in SCNZ's drive to convince the market that our industry has the capacity to satisfy demand as the construction sector experiences the biggest building boom in 40 years.

Alistair Fussell, SCNZ Manager, comments: "A widespread view persists that fabricators nationwide will struggle to meet the-increasing demand for structural steel. This latest Structural Steel Industry Snapshot should assure industry players that going into 2017 our fabricators have more than enough capacity to satisfy projected volumes so there is no reason to look overseas to get work done."

Take a moment to look at the [Structural Steel Industry Snapshot](#) and share it with your networks: include a link on your website, post on your LinkedIn profile, and refer to it in any direct communications you have with your customers, industry contacts and local MPS.



SCNZ's second Structural Steel Industry Snapshot

DATE FOR YOUR DIARY: 2017 ISCG MEETING

The biennial International Steelwork Contractors Group (ISCG) meeting will be held in London from 2-5 October 2017.

The ISCG comprises the English speaking steel construction associations (American Institute of Steel Construction, Australian Steel Institute, British Constructional Steelwork Association, Canadian Institute of Steel Construction, Southern African Institute of Steel Construction and Steel Construction New Zealand).

The 2015 meeting was hosted by the American Institute of Steel Construction in Nashville, Tennessee. Mike Sullivan, D&H Steel and then Chairman of SCNZ, Alistair Fussell, SCNZ Manager, and Wayne Carson, D&H Steel, attended the event and were very impressed by the technological developments showcased, which will shape the future of our industry.

Mike comments: “These meetings are of great interest and value to New Zealand fabricators of all sizes. The emphasis is very much on advancing skills and knowledge across the industry to the benefit of everyone. Ultimately the issues we face in the steel industry are similar worldwide and the knowledge sharing we gain from our sister organisations overseas is invaluable.”



Historic City of York, UK

The principal driver behind the ISCG group concept is the opportunity for the various steel construction associations to achieve some form of synergy through the sharing of ideas and resources and to identify areas of common interest for future cooperation. Aside from the formal meetings, one of the valuable outcomes is the development of a network of key international steel industry people to provide assistance on technical and marketing matters.

Mike continues: “It would be great if we could get a bigger group together for the 2017 meeting as the knowledge and experience we gained in 2015 expanded our horizons and opened our eyes to the new technologies and innovations that will shape our industry in the near future. I urge you to note the 2017 dates in your calendar. It is also tax deductible!”

Delegates attending the 2017 meeting will fly in and out of London and then take the train to York on Monday 2 October to undertake factory visits. UK fabricators are considered to be the leading adopters of new fabrication technology to drive up productivity and our local fabricators will potentially learn a lot from how this industry implements this technology.

Delegates will then return to London on Tuesday afternoon for Round Table Meetings and the Structural Steel Design Awards on the evening of Wednesday 4 October. The week will wrap up on Thursday 5 October with a site visit and closing dinner.

Watch this space for further details.

NEW MEMBER FABRICATORS’ AREA LAUNCHED ON SCNZ WEBSITE

A new area of the SCNZ website, dedicated to providing information specific to fabricators and enabling discussion and cooperation amongst fabricator members, is now live.



The new Member Fabricators' Area can be found in the [Membership](#) section of the website and can be accessed by all SCNZ fabricator members. The Area incorporates three main sections:

Regional Fabricator Forums – agendas for forthcoming Regional Fabricator Forums and minutes from past Forums;

Steel Guidance Articles –an industry publication which enables SCNZ to communicate and distribute information specific to Steel Constructors;

Moderated Discussion Board – a place for members to exchange news, views and information. Fabricator members can "meet" here and discuss any topics relevant to the structural steel industry.

All fabricator members can access the area once logged in to the website using your normal log-in details.

Please contact **Rebecca Symonds, Marketing Administrator** (email: rebecca.symonds@scnz.org or phone: 09 263 5635) if you have any problems accessing the area.

NEW STEEL GUIDANCE NOTE PUBLISHED – FULLY TENSIONED HIGH STRENGTH BOLTS

The first in a series of Steel Guidance notes, with recommended requirements for high strength structural bolts and their installation, has been published.

A significant proportion of structural steel connections in New Zealand use fully tensioned high strength structural bolts. These are designated in contract documents as 8.8/TF and 8.8/TB and are supplied to AS/NZS 1252 "High Strength Bolt Standard" and tensioned in accordance with NZS 3404 "Steel Structures Standard".

NZS 3404 states the minimum bolt tension required for fully tensioned property class 8.8 bolts to AS/NZS 1252.

Recent research at the University of Auckland on fully tensioned property class 8.8 bolts installed using the part turn of nut method has highlighted the importance of thread finish quality as well as storage and lubrication considerations to ensure the minimum tension values assumed in NZS 3404 are achieved. Poor quality thread finish and a lack of thread cleanliness and lubrication result in nut-turning energy being converted into bolt torsional plastic strain rather than bolt tensile plastic strain.

The first Steel Guidance note on high strength structural bolting gives recommendations aimed at ensuring only free turning bolted assemblies are used for fully tensioned applications.

This publication is targeted at those involved in the installation of high strength structural bolts. It will also be of interest to engineers and builders responsible for ensuring structural bolts have been installed correctly.

A copy of this Steel Guidance note is available to Fabricator Members only for download from the [SCNZ website](#). You must log into the website to access this document.

HELP US SHOWCASE STEEL AND SPREAD THE WORD

As part of our mission to promote excellence in steel construction, SCNZ is building up a bank of case studies to remind our members' market of the advantages in using steel.

Right now, we are looking for member projects big or small which illustrate some of the following:

- Quality / environmental management in the workshop and on-site
- Technical innovation
- Project management
- Local industry capability and cost-effectiveness
- Seismic resilience
- Strong commercial and design benefits
- Health and safety practices

Just tell us what you have been doing and we will do the hard work to showcase your projects to developers, architects, quantity surveyors and people in Government.

If you have a project that might fit the bill, please contact Rebecca Symonds, SCNZ Marketing Administrator (email: rebecca.symonds@scnz.org or phone: 09 263 5635).



Example of an SCNZ Case Study - PWC Centre, Christchurch. Visit our [Media Centre](#) for more.

SCNZ TUTORS VICTORIA UNIVERSITY ARCHITECTURAL STUDENTS

SCNZ Structural Engineer, Zahid Hamid, recently visited Victoria University to help under-graduate architectural students develop structural models for their third year design project.

The students have been tasked with creating a new complex for the New Zealand Made School of Music (NZSM).

The design project challenges the students with bringing two sites together into one coherent architectural concept. The new complex will facilitate the School working towards its vision, meet its spatial requirements and house an institution promoting excellence in research, teaching, practice and performance.



SCNZ Structural Engineer, Zahid Hamid (back, far left), with Victoria University architectural students

The project must be designed in steel or timber, but most students use steel due to the long spans involved and the desire to avoid bulky cross-sections.

Zahid comments: “My role was to tutor the students and help them resolve their structures in ways that integrate with and support their architectural design concepts. It was a great pleasure to work with such enthusiastic and innovative young people; and to demonstrate the many inherent features that structural steel boasts which make it an excellent construction solution.”

Andrew Charleson, Associate Professor – School of Architecture, Victoria University of Wellington, says: “This project presents a number of challenges and complexities. We really appreciate SCNZ’s input as we recognise how important it is for our students to have experience of working with structural steel and to have contacts to turn to for advice and guidance when they are working in the industry.”

NEW SCNZ MEMBERS

SCNZ welcomed two new members during the first quarter ending September 2016.

Full (Constructor)

Kiwi Steel NZ Ltd, Manukau City

Full (Detailer)

SNC Steel Ltd, Takanini

Steel Construction New Zealand

PO Box 76403, Manukau City New Zealand

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