

2019-2020



AUSTRALIAN STEEL INSTITUTE

A YEAR IN REVIEW

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5,135

CONTACTS IN THE ASI'S
MEMBERSHIP BASE

12,630

CONTACTS IN THE
BROADER ASI COMMUNITY

417

CORPORATE ASI MEMBERS

1,399

ATTENDEES AT 35 ASI EVENTS,
SEMINARS & CONFERENCE

70

COMPANIES CERTIFIED
TO AS/NZS 5131
AND NSSCS

56

ASI ENVIRONMENTAL
SUSTAINABILITY CHARTER
MEMBER COMPANIES

2019-2020: OVERVIEW

THE AUSTRALIAN STEEL INSTITUTE (ASI) IS DEDICATED TO EQUIPPING THE AUSTRALIAN STEEL INDUSTRY WITH THE TOOLS NEEDED TO NAVIGATE A CHANGING LANDSCAPE, QUALIFY, DIFFERENTIATE, COMPETE AND WIN BUSINESS. WE WANT ALL OUR MEMBERS TO BE PREPARED TO MAXIMISE THE OPPORTUNITIES PRESENTED BY THE CHANGING GLOBAL INDUSTRY IN WHICH THEY OPERATE. THESE ARE THE OBJECTIVES THAT HAVE DRIVEN ALL OUR ACTIVITIES OVER THE 12 MONTHS.

During 2019-2020, the Australian Steel Institute (ASI) continued its work to promote the introduction of the new Australian Standard AS/NZS 5131 *Structural Steelwork – Fabrication and erection* and the National Structural Steelwork Compliance Scheme (NSSCS) as the quality benchmark for steelwork.

As result, AS/NZS 5131 is set to effectively become law; it will be referenced in the steel design Standard AS 4100 *Steel structures* in the next edition of the National Construction Code.

In addition, the rates of adoption of third party certification by Steelwork Compliance Australia (SCA) under the NSSCS grew steadily—70 companies are now certified with another 20 companies in the system—and various State Governments have provided support to the Scheme.

There was continued success as a result of ASI's steel intensity work, with many major projects utilising steel, adding even more steel tonnes to Australian shop floors. Over the last 12 months, ASI continued its policy advocacy work across various state jurisdictions, resulting in changes to procurement procedures for local steel in new infrastructure projects that recognise the economic and social impact when spending taxpayer dollars.

All this was achieved as ASI rolled out its major Digital Transformation Project, delivered several highly successful series of national seminars and local events, and hosted the 2019 Australian Steel Convention.

ADVOCACY ACHIEVEMENTS

GROWING STEEL INTENSITY

During 2019-2020, ASI continued its work promoting the use of steel and growing steel intensity throughout Australia. With many major projects going to steel, this work is adding thousands of tonnes of steel to the order books of the local supply chain and changing building habits permanently in favour of steel.

MAXIMISING LOCAL PARTICIPATION

ASI is making progress in growing steel intensity and creating opportunities for local participation. Over the last 12 months, ASI continued its policy advocacy work across various state jurisdictions, resulting in changes to procurement procedures for local steel in new infrastructure projects. In particular, the ASI worked closely with the Victorian State Government via its Roundtable Group.

SAFETY AND COMPLIANCE

The rates of adoption of third party certification by Steelwork Compliance Australia (SCA) under the National Structural Steelwork Compliance Scheme (NSSCS) grew steadily over the last year. Several of the largest consulting engineering firms have adopted the NSSCS, as well as many smaller firms, flowing through into actual project specifications.

Various State Governments have provided support to the NSSCS, ranging from financial support for fabricators to become certified under the Scheme, through to mandating the Scheme for procurement on Government funded projects.

We also reached a significant milestone, with the NSSCS Manual and documentation achieving accreditation from JAS-ANZ. SCA will now apply for JAS-ANZ accreditation. We expect greater adoption of the NSSCS once SCA is JAS-ANZ accredited.

GOVERNMENT SUBMISSIONS

ASI submitted responses to several Government policy papers, advocating on behalf of the steel industry, including:

- The New South Wales Government's *Building Stronger Foundations* discussion paper
- The introduction of a 'Public Interest Test' within Australia's anti-dumping system to Karl Brennan (Manager Anti-Dumping Policy Section, Department of Industry, Innovation and Science)
- The South Australian Government's *20-Year State Infrastructure Strategy* discussion paper
- The draft *Design and Building Practitioners Bill 2019*, which was in response to the *Building Confidence Report*, authored by Professor Peter Shergold AC and Ms Bronwyn Weir

COVID-19

In the wake of the COVID-19 pandemic, ASI disseminated information to key stakeholders, including Federal and State Governments on behalf of the Australian steel industry, focused on ensuring the steel industry was classified as 'essential' and that the supply chain was secure.



EDUCATION, TRAINING SEMINARS AND EVENTS

WHILE THE ASI'S PROGRAM OF EVENTS WAS IMPACTED BY THE COVID-19 PANDEMIC IN EARLY 2020, THE ASI STILL DELIVERED SEVERAL HIGHLY SUCCESSFUL SERIES OF NATIONAL SEMINARS, ATTENDED BY OVER 1,000 PEOPLE. A HOST OF OTHER LOCAL EVENTS WERE HELD, AS WELL AS THE 2019 AUSTRALIAN STEEL CONVENTION, AND THE ASI ROLLED OUT ITS BRAND NEW eLEARNING AND DIGITAL BOOK PLATFORMS.

DIGITAL TRANSFORMATION PROJECT

ASI continued the roll out of its Digital Transformation Project, accelerating the launch of several components in the wake of the COVID-19 pandemic.

The ASI's eLearning portal was launched in April 2020. This portal brings together—in one easy-to-access repository—highly relevant, superior quality learning material for all steel industry stakeholders. There are currently eight courses available via the eLearning platform, with more slated for development. Courses range from Finite Element Analysis and Corrosion Protection of Steel Structures, through to Connecting Steel to Concrete. For further information on the ASI's eLearning platform, visit: <https://learn.steel.org.au>.

The ASI also released its first eBook: *Design Capacity Tables for Structural Steel, vol. 1 – Open Sections*. We are working to offer more ASI publications as eBooks.

INDUSTRY EVENTS

2019 Australian Steel Convention

With the theme of *Beyond the Pipeline*, the 2019 Australian Steel Convention attracted over 250 delegates. Held in Sydney in September, the convention was one of the most successful in many years. Just some of high-profile keynote speakers included the Hon John Barilaro MP Deputy Premier of NSW, Adam Copp (Infrastructure Australia), Fiona Kerr (NeuroTech Institute), Stephen VanDuin (Defence Materials Technology Centre), Daksesh Patel (InfraBuild) and John Nowlan (BlueScope).

International Steelwork Contractors Group Meeting

The ASI hosted the 2019 meeting of the International Steelwork Contractors Group (ISCG) in September 2019. The ISCG meets every two years and is comprised of some of the world's peak steel construction organisations. The 2019 agenda featured country briefings, as well as visits to the facilities of several Western Australian fabricators and detailers, including PDC, Fero, PIC and Civmec.

ResponsibleSteel Forum II

ASI attended the ResponsibleSteel Forum II, hosted by BlueScope Steel in Wollongong in December 2019. This event included the official launch of the ResponsibleSteel Standard, the world's first international, multi-stakeholder standard for responsible production for steel making and processing.



EVENTS

(CONTINUED)

NATIONAL EVENT SERIES

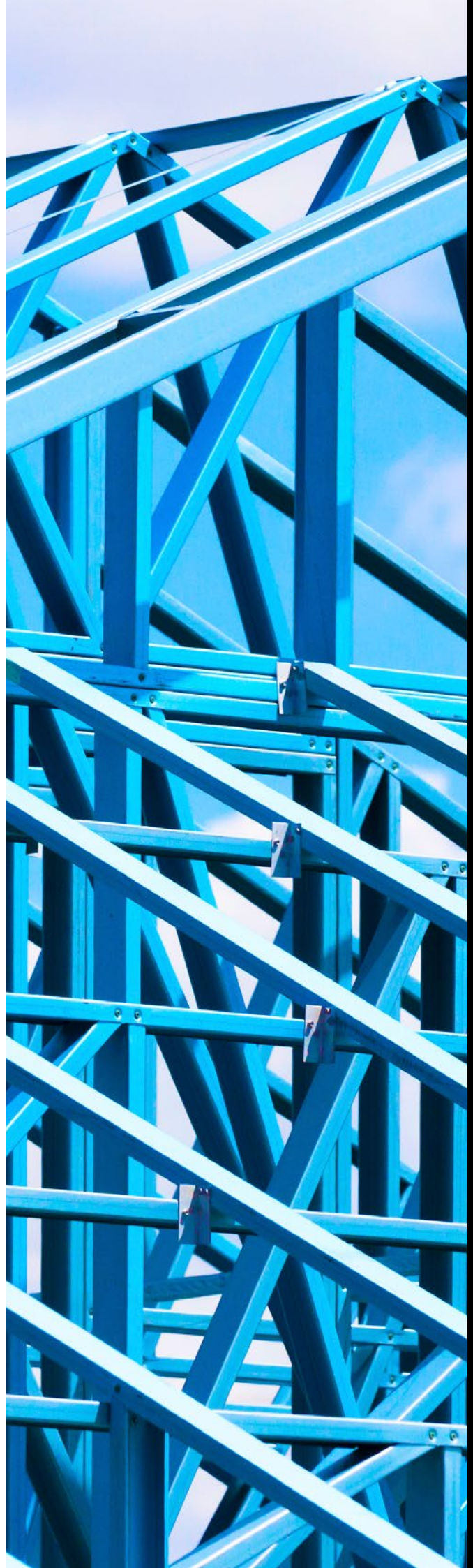
All held in Adelaide, Brisbane, Melbourne, Perth, and Sydney, the ASI conducted six highly successful national events:

- Economic Briefings 2020. This event was attended by 334 people nationally.
- Seminar: *Design of Welds and Welded Connections for Engineers*. Presented by Dr Peter Key (ASI's National Technical Development Manager), this seminar was attended by 175 people nationally.
- Seminar: *Finite Element Analysis of Steel Structures*. Presented by Vernon McKenzie (Managing Director, EnDuraSim, this seminar was attended by 213 people nationally.
- Technical presentation: *Paint Coatings for Steelwork*. Presented by Souma Kichenamourthy (Passive Fire Protection Specialist, AkzoNobel), this seminar was attended by 159 people nationally.
- Seminar: *Design of Structural Steel Hollow Section Members and Connections*. Presented by Dr Peter Key (ASI's National Technical Development Manager), this seminar was attended by 115 people nationally.
- Webcast seminar: *Steel Tanks, Bins and Silos: Prevention of Failures*. Presented by Patrick Meehan (Senior Mechanical Engineer, FE Consultants), this webcast was attended by 57 people nationally.

LOCAL SEMINARS, WORKSHOPS AND OTHER EVENTS

A host of other local events were facilitated by ASI over the last 12 months, including:

- A seminar on the *Design of Composite Beams, Slabs and Columns*, in Sydney
- A presentation with Engineers Australia on *Optimised Steel Design in High-rise Buildings*, in Brisbane and Sydney
- Technical presentations on the *Design and Installation of Tension Control Bolts*, in Sydney and Melbourne
- A seminar on Competitive Manufacturing in Australia, in Brisbane and Sydney
- ShedSafe engineering workshop on *Cold-formed Steel Shed Design*, in the Gold Coast
- A course on *Structural Steel Fabrication and Welding* for Engineers in Brisbane



OTHER PROJECTS

STEEL INNOVATION PORTAL

ASI facilitated connections between industry and Australian research institutions through the Steel Innovation Portal (<https://innovate.steel.org.au>). As the collection point for a significant body of world-class steel-related research, the Portal is promoting innovation, collaboration and communication. Over 25 universities are registered, with projects and researcher details being loaded.

ENVIRONMENTAL SUSTAINABILITY CHARTER

ASI continued to promote the Environmental Sustainability Charter (ESC) as the solution for environmentally aware steelwork fabrication and processing companies. As a result, major infrastructure and Government funded projects are now calling up ESC membership in specifications. The new version of the Green Star program (to be launched in late 2020) will offer a greater range of areas through which ESC members can offer points. There are now 56 ESC member companies.

SHEDSAFE® AND SITE CHECK

ShedSafe® launched Site Check in 2019—a web-based site classification tool specifically designed for the Australian steel shed industry. The ASI continued to support and promote ShedSafe® members at all levels of Government as superior quality, reliable and safe suppliers across all markets.

AUSTRALIAN STANDARDS REVIEW

The ASI undertook extensive work in the compliance area this year, with two important Australian Standards revised and released for public comment: AS 4100 *Steel structures* and AS/NZS 5131 *Structural steelwork – Fabrication and erection*.

AUSTRALIAN STEEL INDUSTRY CAPABILITY REPORT REVISED

ASI revised and released the *Capabilities of the Australian Steel Industry to Supply Major Projects in Australia*, which covers all the major sectors of the industry as they relate to major projects.

2020-2021: ON THE HORIZON

2020-2021 IS ALREADY SHAPING UP TO BE AN EXCITING AND SUCCESSFUL YEAR FOR THE ASI AND ITS MEMBERS. A COMPREHENSIVE REVIEW OF THE ASI'S STRATEGY WILL BE UNDERTAKEN, WITH EXISTING INITIATIVES REAFFIRMED, AND NEW PROJECTS AND PROGRAMS COMMENCED.

ADVOCACY FOCUS

The ASI will continue to advocate to all levels of Government on behalf of members for:

- Responsible economic management to support ongoing investment in infrastructure
- Local content procurement and local industry participation
- Quality, productivity and safety
- Anti-dumping
- Skills and vocational training
- Reliable, affordable power supply
- Sustainability and the environment

AS/NZS 5131 AND NATIONAL STRUCTURAL STEELWORK COMPLIANCE SCHEME

We will continue to promote AS/NZS 5131 and the NSSCS as the new quality benchmark for steelwork, work with fabricators to help them become accredited, and continue briefing all levels of Government.

ENVIRONMENTAL SUSTAINABILITY CHARTER

ASI will continued to promote the Environmental Sustainability Charter (ESC) to help ensure that a greater proportion of infrastructure and Government funded projects require ESC accreditation in their specifications.

SHEDSAFE® COMPLIANCE SCHEME

The ASI will continue to support and promote ShedSafe® at all levels of Government and throughout the private sector to differentiate ShedSafe® members as superior quality, reliable and safe suppliers.

EDUCATION, TRAINING AND EVENTS

Seminars and Local Events

With travel bans and social distancing measures making face-to-face events difficult, the ASI is working to move as many events as possible to an online webinar format.

eLearning Platform

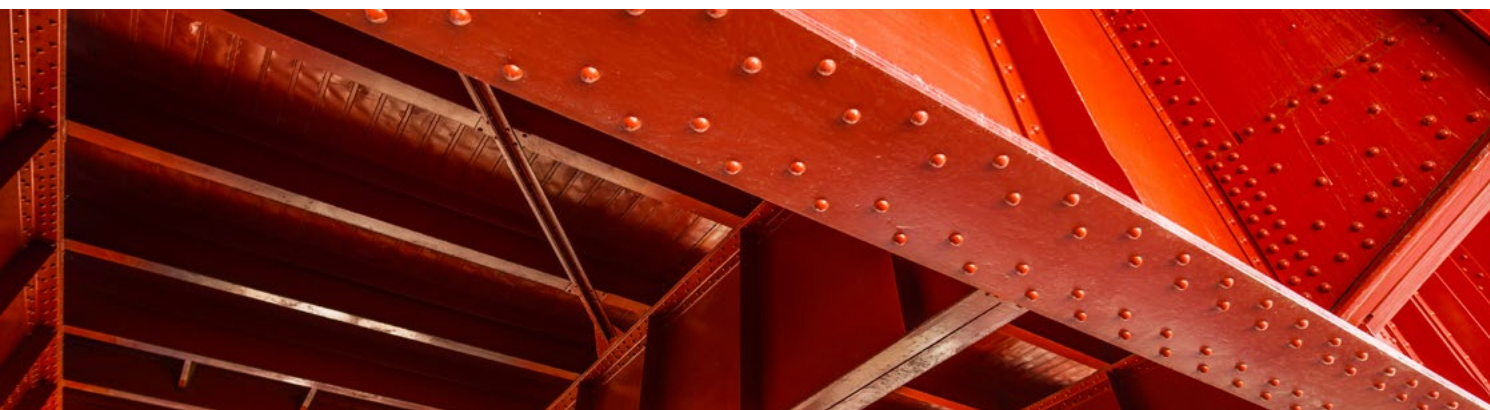
ASI will continue its work on the newly launched eLearning platform, with plans to release another 10 online courses over the coming months. For further information on the ASI's eLearning platform, visit: <https://learn.steel.org.au>.

2020 Australian Steel Convention

Due to the unprecedented circumstances arising from the COVID-19 pandemic, and after careful consideration, the ASI has cancelled the 2020 Australian Steel Convention, which was to be held in Brisbane in September. We understand the importance of the Convention to our members, and have not made this decision lightly. Several factors were considered, including the financial impact of a late cancellation, and the importance of the health and welfare of our community.

STEEL EXCELLENCE AWARDS

The ASI will facilitate the 2020 Steel Excellence Awards, which promote the highest standards of quality, innovation and professionalism. Whilst state-based award presentations and events will not take place face-to-face, nominations, finalists and winners will be celebrated via a special webcast in each state, the ASI website and social media. All nominees and finalists will then be invited to attend the 2020 Australian Steel Excellence National Awards Gala, which will be held in Sydney in late 2020 (conditions permitting). Further information is available via the ASI website: <http://awards.steel.org.au>.





AUSTRALIAN STEEL INSTITUTE

ASI Members: Are You Taking Advantage of Your Member Benefits?

1

Advocacy at the local, state and federal levels to advance the cause of Australian steel

5

Member discounts on ASI bookshop publications and eLearning packages

2

Member discount on technical presentations, seminars, networking events and conventions

6

Superior technical advisory services, delivered by experienced industry experts

3

Regular industry news & steel Australia magazine and Steel Construction journal

7

Opportunities to participate in specialist committees and groups to address steel industry issues

4

For corporate members, promotion in the ASI Directory and use of the ASI logo

8

Countless other benefits from joining and networking with a community of like-minded companies & people