



# Annual Review 2020/21







The Glass Works, Barnsley - Billington Structures Ltd



BCSA Limited is the national organisation for the steel construction industry: its Steelwork Contractor Members undertake the design, fabrication and erection of steelwork for all forms of construction in building and civil engineering. Industry Members are those principal companies involved in the direct supply to all or some members of components, materials or products. Corporate Members are clients, main contractors, professional offices, educational establishments etc which support the development of national specifications, quality, fabrication and erection techniques, overall industry efficiency and good practice.

The principal objectives of the Association are to promote the use of structural steelwork; to assist specifiers and clients; to ensure that the capabilities and activities of the industry are widely understood and to provide members with professional services in technical, commercial, contractual, certification and health and safety matters. The Association's aim is to influence the trading environment in which member companies have to operate in order to improve their profitability.

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# Introduction

The COVID-19 pandemic, Brexit, price increases and the ever-important issue of climate change have all made 2020/21 a challenging year. Even with these trials the constructional steelwork sector has remained buoyant and continues to provide high-quality structural steelwork satisfying client demands for value for money and low carbon, sustainable structures.

The COVID-19 pandemic has influenced the total UK consumption of structural steelwork in 2020 which fell by 20.3%. However, as we look forward and confidence builds industrial buildings are expected to bounce back with a 16.2% growth forecast in 2021 and a further 7.4% growth in 2022. Overall, the total UK consumption of structural steelwork is expected to grow to 864,000 tonnes by 2023 with industrial sheds making the most significant contribution to this growth.

The climate emergency has pushed sustainability and the drive for low carbon solutions even further up the agenda. BCSA has been supporting the challenges faced by the UK construction sector by providing advice and solutions to both specifiers and its members.

In 2021 BCSA launched a revised and improved Steel Construction Sustainability Charter.

In addition to this BCSA will shortly be launching a consolidated roadmap to net-zero carbon by 2050 for the UK constructional steelwork sector. The roadmap has been created and supported by BCSA's steelwork contractor, steel maker and wider supply chain members. It demonstrates the constructional steelwork sector is serious and committed to decarbonisation and is working together to make low carbon sustainable structures an ongoing reality. Supporting these two initiatives is an upgrade of BCSA's existing carbon foot printing tools that allows BCSA members to measure both their company's and project carbon footprints.

The 7th Edition of the National Structural Steelwork Specification (NSSS) was released in late 2020 and came into force on 1st January 2021. This was probably the biggest change to the NSSS since it was first published. The main changes included a requirement for steelwork contractors to have a certified welding quality management system complying with the relevant part of BS EN ISO 3834, a revised section on corrosion protection with the inclusion of intumescent systems and two new annexes (static and fatigue) on the requirements for execution class 3. Looking forward BCSA will be publishing a new commentary on the NSSS. This will be the first revision since it was published in 2004.

BCSA issued several other publications in 2020/21 including; Steel Construction – Carbon Credentials, Design and Fabrication of Lifting Accessories, High Strength Steel for Structural Applications and Steel Construction – UKCA Marking.

The COVID-19 pandemic has driven professional organisations to do things differently and adopt more flexible approaches. This applied equally to BCSA, the Steel Construction Certification Scheme (SCCS) and Steel for Life. They have addressed these challenges head-on and adapted their systems to ensure members and clients continue to receive high quality technical, sustainability, commercial, health and safety, certification and marketing services and advice. The Association's regional and committee meetings were held on-line with this new way of working which is likely to continue for some meetings in the future.

BCSA also extended its digital services by introducing a series of webinars and providing dedicated online resources and advice for businesses on the COVID-19 pandemic and Brexit. Seminar titles ranged from technical issues such as high strength steels, the update to BS EN 1993-1-1 and technology for non-technologists, to contracts and commercial advice on Reverse VAT and payroll issues.

BCSA was also pleased to host several external speakers from organisations such as HS2 and Build UK.

BCSA's certification arm SCCS moved to on-line assessments and BCSA launched social media platforms such as LinkedIn and Twitter to help promote the benefits of constructional steelwork and using a BCSA member.

While 2020/21 has seen many changes in the way BCSA operates more are planned for the future. BCSA continues its digital upgrade programme with the first phase completed in 2020 with plans underway to further develop the Association and the SCCS website. BCSA is also committed to upgrading and improving the way it communicates and provides updates to its members.

All these changes will allow BCSA and SCCS to better promote their services to their members and clients and in the case of Steel for Life promote the benefits of constructional steelwork to a wider audience.



## BCSA steelwork contractor members:

- Are independently audited annually to ensure they are competent to undertake various types and size of project.
- Are assessed in line with PAS 91.

## All members:

- Have access to BCSA's member resources and one-on-one advice, so they are up to date with changes to codes and standards.



Dr David Moore, Chief Executive Officer



Mark Denham, President



# Commercial and contracts

Widening knowledge of current commercial and legal issues to assist members in managing their contracts.

BCSA's commercial and contracts function provides help and support for members to improve their commercial position. It does this through the provision of direct advice and training of members, through projects initiated and managed by the Commercial and Contracts Committee, together with liaison with government and industry bodies and by the provision of general guidance.

BCSA's Commercial and Contracts Committee provides the primary forum for anonymised discussion of general industry issues. This committee also decides upon and manages individual projects that it considers will be of benefit to all members. Areas of focus in 2020/21 are discussed below.

### COVID-19 Pandemic

As the effects of the global pandemic started to take effect in March 2020, BCSA was a key conduit for information for members in terms of measures rapidly introduced by governments and devolved administrations in the UK and Ireland. Guidance was provided generally and individually on working restrictions, contractual and financial matters and government schemes to assist business. BCSA quickly collaborated with the Construction Industry Coronavirus (CICV) Forum in a cross-industry initiative to gather and share advice and speak directly to government.

### Webinars

BCSA was able to offer a number of webinars to members in 2020/21. The annual autumn seminars could not take place in the usual way, and in place of these BCSA contributed to a series of commercial and contractual webinars in collaboration with CICV Forum, which were also available to members to view at any time.

BCSA also delivered webinars on; leaving the EU, reverse VAT and IR35 off payroll working changes.

### Leaving the EU

BCSA has been monitoring and advising members on legal and commercial issues surrounding Brexit and has regularly liaised with government in order to pass on relevant information to members and to give feedback and obtain further clarity on important issues. Regular memos updating members on the current position have been circulated and bespoke advice to individual members has been provided, as well as a member-only webinar held in November 2020.

### Member Resources

BCSA continues to develop further legal resources as a member-only benefit. BCSA has widened access to and raised awareness of the member resources available on the website. Dedicated resource pages were set up dealing with Brexit, COVID-19, Reverse VAT and IR35 as well as the guidance set out below.

### Subcontract terms and conditions to look out for

This spreadsheet, which allows members to track negotiations on their subcontract documents and gives a succinct summary of the implications of common onerous clauses, is regularly updated. Presentations on problematic contract clauses were given at BCSA regional meetings.

### Model letters and documents

A number of template letters and documents are available in the member area of the BCSA website including model notices on suspension of works and early warning notices.



### Minimum Standards of Contract

This is a guide to fair contract terms intended to help members in reviewing and drafting contracts and continues to be regularly updated. These terms were also shared and discussed with the Crown Commercial Service to assist them in developing fair contract terms as part of the construction frameworks.

### Provision of bespoke guidance

Members receive general contractual and legal information via several routes, including free contract reviews, memoranda on individual issues and legal/commercial updates, documents and checklists giving general information, and details of free helplines are available in the Member's Area of the BCSA website to assist members in managing their contracts.

### Reverse VAT

BCSA along with other trade associations campaigned for a rethink of this legislation and for its further postponement or cancellation in 2020 which it was felt would have an adverse effect on members' cashflow. BCSA also provided general and bespoke advice to members on the measures and a member-only webinar.

A number of members kindly contributed to "postcards" for the #StopReverseVAT campaign on social media.

### Professional Indemnity Insurance

BCSA members and the wider construction industry have weathered a perfect storm of insurance being unavailable, or huge increases in premiums, accompanied by higher demands from clients. BCSA continues to liaise with industry and government on this issue and provide individual and general advice to members.



### Future projects

- Further contractual webinars will be held in 2021.
- New edition of The Orange Book (Allocation of Design Responsibilities in Structural Steelwork).



# Process and technical

Assisting members to deliver quality, cost effectiveness and buildability.

BCSA's Process and Technical team supports its members by providing them with technical advice on a range of subjects, promoting research and technology development projects to develop guidance and practical rules on the design and fabrication of structural steelwork, and participating on National and European code committees. BCSA's Process and Technical Committee achieved the following in 2020/21.

## Advice to Members

BCSA continued to provide comprehensive technical advice and support to its member companies, clients, specifiers, designers and contractors. This ongoing service includes:

- Response to specific technical enquiries;
- Advice on BREXIT and Conformity Assessment (UKCA & CE+UKNI);
- Advice on specifications and interpretation of design and execution standards;
- BCSA steelwork contractor members also receive complimentary membership of The Steel Construction Institute (SCI) as part of their BCSA membership package.

## BREXIT and Conformity Assessment

In 2020/2021, the BCSA continued to provide advice on Conformity Assessment (UK and CE marking) to BCSA members and the wider construction industry and published a supplement on UK Conformity Assessed Marking (UKCA), with some guidance on the Northern Ireland specific rules.

The UK remained a member of the EU single market and of its Customs Union until 31 December 2020, and strictly followed all EU regulations. CE marking of construction products remained unchanged. After 1 January 2021, and for a period of 1 year, CE marking and UKCA marking will both be accepted in Great Britain. The UKCA mark should be affixed to all construction products placed in the Great Britain market from 1 January 2022. The Northern Ireland (NI) protocol maintains CE marking for placing manufactured goods on the NI market after 1 January 2021.

BCSA also continued to lobby government and Trading Standards to take a stronger approach to the policing of UK and CE marking.

## Technical Strategy

BCSA continued to participate in the development of the European structural design and execution standards. All the European structural design standards, the Eurocodes, are being revised over the next three years and a new set will be issued from 2023 onwards. Once this work is complete BCSA will update the current suite of 35 design guides. This will take several years and considerable resources.



East Midlands Gateway, Derby - Adstone Construction Ltd



Cinema, The Glass Works, Barnsley - Farrat CineSTEEL, Farrat Isolevel Ltd



Modular Steel Towers erected with Greenkote® TCBs - Tension Control Bolts Ltd



In 2020/2021 BCSA and Steel for Life continued its programme of technical activities including:

### 1. Dynamic wind testing of decking sheets

The BCSA commissioned the BRE to carry out a series of wind uplift tests of metal decking to develop a simplified methodology for determining the wind loads on steel sheeting in steel framed structures to enable the temporary fixing requirements to be determined.

### 2. High strength steel design and execution guide

BCSA was a partner in a European-funded project (coordinated by SCI) to (i) summarise and extend the design rules in revised Eurocode 3, and (ii) supplement provisions in the execution standard BS EN 1090-2:2018 for steel grades up to and including S700. A guide which presents comprehensive guidance on when and how the benefits of steels with strengths from 420 to 700 MPa can be exploited in practical design situations in the construction industry was published in late 2020.

### 3. Deflection limits for mega-sheds

BCSA is supporting a 4-year PhD student at Imperial College London to carry out research into the deflection limits for mega-sheds, and the influence of the interaction between the cladding and the primary structural elements in large steel portal frames.

### 4. Fatigue design of crane supporting structures

The BCSA is currently developing a guide on fatigue design of crane supporting structures, which will include:

- Explanation of fatigue cracking due to repeated loading;
- Review of the Eurocode and the National Annex design requirements;
- Fatigue life of details sized for static design;
- Worked examples.

### National Structural Steel Specification

The 7th Edition of the NSSS came into force on 1 January 2021. This revised edition includes the following main changes:

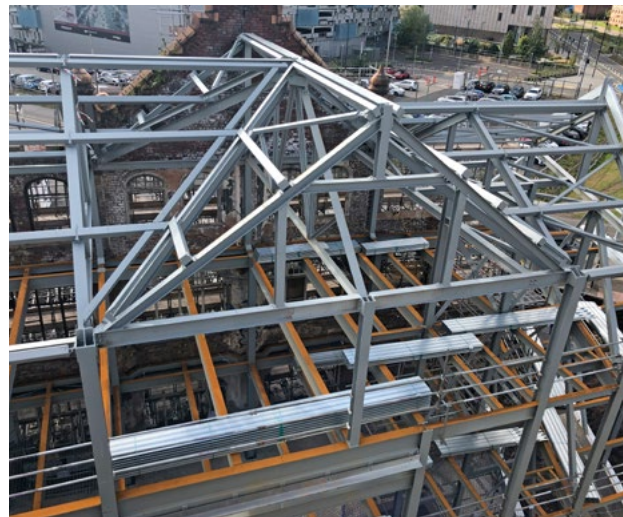
- Consistency with BS EN 1090-1, BS EN 1090-2, BS EN 1090-4;

- Mandatory Welding Quality Management certified to BS EN ISO 3834 for Execution Classes 2 and 3;
- New sub-section on intumescent systems;
- New sub-sections on corrosion protection;
- New Annex on the requirements for Execution Class 3 – Static;
- New Annex on the requirements for Execution Class 3 – Fatigue.

The Commentary on the NSSS will be updated and published in 2021. It gives guidance and information on the specification document and on the philosophy behind it.

### Publications

In 2020/2021 BCSA published High Strength Steels for Structural Applications: a guide for fabrication and welding, which addresses questions concerning e.g. available product forms, steel grades, manufacturing routes, weldability, welding process selection, consumable selection and fabrication considerations including thermal cutting, forming and heat treatment. The BCSA also published a guide for the Design and Fabrication of Lifting Accessories to assist steelwork contractors.



Student Accommodation, Birmingham - Shipley Structures Ltd



Waterlily, London Institute of Medical Sciences Building Project, Hammersmith Campus, London - ASME Engineering Ltd



Esther Simpson Building, Leed University Business School Purple Zone - Elland Steel Structures Ltd



### Training courses

In 2020/2021 BCSA gave the following webinars:

- An overview of the revisions to parts 1-1 and 1-8 of Eurocode 3;
- Technology for non technologists webinar;
- UKCA marking and BREXIT.

The BCSA is launching a training course - later this year - for 'Responsible Painting Coordinators' (RPC). The RPC will oversee all aspects of the application of both protective coatings and intumescent systems including the specification, preparation of the steel, application of the paint, inspection plus the use of instruments and health and safety requirements. The RPC will also be responsible for ensuring the qualifications and training of those preparing the steel, the paint applicators and the inspectors meet the required standards.

### www.steelconstruction.info

The [www.steelconstruction.info](http://www.steelconstruction.info) web site, which was launched in 2012, was updated regularly with the latest technical information and case studies, and continues to be an excellent source of information on steel construction for the wider construction industry.

New articles and content added in 2020/21 included:

- Project case studies;
- Advisory Desk Notes;
- Articles covering the cost of structural steelwork have been updated quarterly;
- Details of the 2020 SSDA winning projects;
- The fifth NSC Technical Digest;
- Steel for Life press supplements in Construction Manager and Building magazine;
- Steel for Life CPD articles in Building magazine;
- Steel construction – Carbon credentials supplement;
- Steel construction – UKCA marking supplement.

Over the year, approximately 50% of the entire content of the website was reviewed and updated as part of a formal maintenance programme to ensure that technical information on the website remains up-to-date.

The website received a monthly average of 215,000 visits in 2020.

### Codes and Standards

BCSA is represented on key BSI, CEN, and European Technical Committees, and strives to provide practical advice to shape and influence (i) the development of new codes and standards, and (ii) the maintenance of existing codes and standards. These standards include:

- National and European design and execution (fabrication and erection) standards;
- Product standards, including bolts and welds;
- Harmonised standards for CE marking, and designated standards for UK marking.

Key developments in these standards in 2020/21 include:

- BS EN 1993-1-1: General rules and rules for buildings was circulated for CEN Enquiry in September 2020; formal vote anticipated for February 2022;
- BS EN 1993-1-8: Design of joints was circulated for CEN enquiry in March 2021; formal vote anticipated for August 2022;
- BS EN 1090-1: Requirements for conformity assessment of structural components was circulated for formal vote in 2020; on the 1st January 2021 this standard became a designated standard under the auspices of BSI.



Pirelli, Banbury - carbon powder extension - PMS Fabrications Ltd



Guy's & St Thomas' Hospital, Westminster - SDM Fabrication Ltd



Bespoke beam fabrication, made from S460 Material - Cementation Skanska



# Sustainability

Tackling the climate emergency. A spotlight on sustainability with the focus firmly placed on carbon reduction has continued in 2020/21.

The construction industry has a major part to play in the drive to net-zero carbon. We need to do more with less; maximise the efficient use of resources and move towards a truly circular economy.

Steel is well-placed to play a crucial role in reducing the environmental impact of construction, and this shift in emphasis towards a reduction in carbon emissions is the major factor, and one most likely to have the best impact.

BCSA continues to have a strong strategic focus on carbon and the circular economy and has updated and created a number of new tools and resources. These tools and resources support members in their efforts to address the challenge. Additionally, they provide the wider construction industry with information to make the most informed decisions so they can achieve their sustainable ambitions on projects using structural steel and drive down carbon use.

## Carbon Credentials

In October 2020, the BCSA published a guide to steel's carbon credentials. The publication provides guidance and information to designers, to help them in their decision making as they strive to address the climate emergency.

The publication addresses the growing importance of embodied carbon in the drive towards a decarbonised world, and the case is made for appropriate whole life carbon assessments that take account of end of life aspects.

Operational carbon and thermal mass are explained, as well as how steel-framed buildings are capable of meeting the most stringent operational requirements in the drive towards net zero carbon emissions.

There are also features explaining steelwork's recyclability and suitability for reuse, steel's contribution to the circular economy and the BCSA's push for sustainable procurement.

## Future projects

- Consolidated Roadmap for the Steelwork Construction Industry.
- An upgrade of BCSA's existing carbon foot printing tools that allows its members to measure both their company's and project carbon footprints.
- Sustainability Specification that will provide engineers with guidance to reduce the carbon footprint of steel building structures and sustainable specification of new and reclaimed steelwork, including responsible sourcing requirements, fabrication and waste management.



Unit 3, Oxford Technology Park, Kidlington, Oxford - TSI Structures Ltd





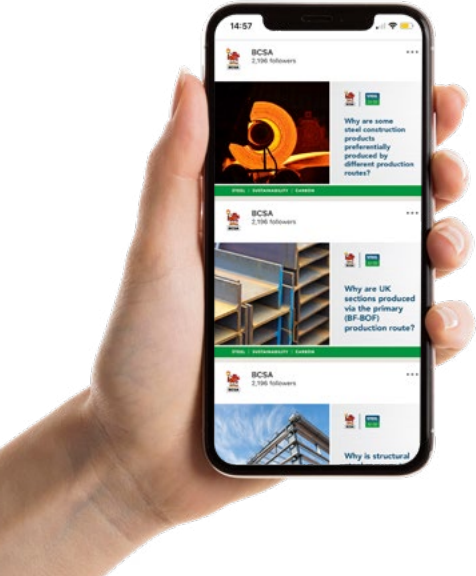
**Education resources for the wider supply chain**  
**CPD Articles**

Steel for Life partnered with Building Magazine and the Structural Engineer to provide essential education material for the construction industry. Two CPD articles have been published. The first focussed on steel and embodied carbon and examines the embodied carbon credentials of steel and its potential to contribute to a zero-carbon future.

The second focussed on steel and the circular economy. It examines a number of steel's credentials specifically on its ability to be reused, recycled and multi-cycled, its structural efficiency as a construction material, and its alignment and application to circular economy principles.

**Structural Steel Sustainability FAQs**  
BCSA has released a series of frequently asked questions (FAQs) to support and inform members and design and construction professionals of the sustainability attributes of structural steel. The series includes 11 FAQs including:

- Should I specify a high percentage of recycled material?
- Why is European steel lower carbon than UK steel?
- Should I rationalise my design?
- How does the circular economy help today's emissions?



**BCSA's Sustainability Charter strengthened**  
The objective of the Steel Construction Sustainability Charter is to develop steel as a sustainable form of construction in terms of economic viability, social progress and environmental responsibility.

The Charter has been updated and strengthened and now consists of fifteen requirements that address all sector relevant sustainability issues, including:

- A published sustainability policy.
- A policy to manage: energy, water, waste, and business travel.
- A policy to reduce the company carbon footprint in line with the BCSA sector target(s).
- The Organisation shall have a valid BS EN ISO 14001 Environmental Management System (EMS) certificate issued by a certification body accredited for that standard by a National Accreditation Body (NAB).
- A programme of involvement with their local community on social issues and with the steel construction community generally.
- A structured programme for personnel training, development and communication.
- A published equal opportunities policy.
- A published ethical trading policy.
- The Organisation shall have a valid BS OHSAS 18001/BS EN ISO 45001 Occupational Health and Safety Management Systems (OHSMS) certificate issued by a certification body accredited for that standard by a National Accreditation Body (NAB).
- Use of Life Cycle Assessment (LCA) techniques, measurement and monitoring to assess, understand and improve the environmental impacts of the company's processes.
- A responsible sourcing policy.
- The Organisation shall have a valid BS EN ISO 9001 Quality Management Systems (QMS) certificate issued by a certification body accredited for that standard by a National Accreditation Body (NAB).

- To procure at least 50% (by weight) of steel sections and plate from steel producers with a published decarbonisation roadmap.
- A company commitment to contribute to efficient and optimised structural designs, taking into account greenhouse gas emissions and the reusability of the steel structure, and to communicate options to clients.
- Demonstration of innovation relating to sustainable steel construction but not covered under the other requirements, since the last Charter audit.

Charter members are audited against this criteria and awarded a rating of Certified, Bronze, Silver and Gold.

**Consolidated Roadmap for the Steelwork Construction Industry**  
BCSA has brought together steelmakers and steelwork contractors to produce a consolidated 'Roadmap to net-zero carbon by 2050' to demonstrate to the wider industry and community the steel construction industry's commitment to the carbon agenda. This will be released later this year.

**Sustainability Specification**  
BCSA is currently developing a new annex to the NSSS focussed on sustainability. The annex includes general requirements and practices for achieving the most sustainable solution with structural steelwork.

- The Specification will provide engineers with:
- Guidance to reduce the carbon footprint of steel building structures.
  - Sustainable specification of new and reclaimed steelwork, including responsible sourcing requirements fabrication waste management.



Sandwell Aquatics Centre, Smethwick - Billington Structures Ltd



Brazenose House, Manchester - Cauntton Engineering Limited



Energy House, Manchester - EvadX Ltd



# Health and safety

Sharing experience and knowledge to ensure good working practices and reduce health and safety incidents and injuries.

**COVID-19**  
Throughout 2020/21 BCSA continued to report and explain the COVID-19 health and safety restrictions imposed by the different administrations in the UK and the Republic of Ireland to its members.

**Health and Injury**  
The Accident Frequency Rate (AFR) rate for 2020 was 0.3 for BCSA members based on the injuries reported under the Reporting of Injuries, Diseases and Dangerous Occurrences Regulations. The rate shows an improvement from 2019 and demonstrates that BCSA members are addressing the issues raised by the Health and Safety Committee.

The drive to reduce injuries in the constructional steelwork industry continued to be a focus of BCSA's Health and Safety Committee. This was achieved by identifying injury trends through annual data collection and then sharing members combined knowledge to develop good practice guidance.

The Health and Safety Executive (HSE) carried out two campaigns on occupational health. One was the reduction of weld fumes in the workplace and BCSA met with the HSE to discuss how this was rolled out and to try and provide better and more proactive information for its members to be able to comply with the new requirements.

The second campaign was on metalworking fluids. The relevant information regarding the campaign and changes to guidance was shared with members. Additionally, webinars offering advice and help were also promoted and attended. BCSA continues to liaise with the HSE on occupational health campaigns.

**Measuring and Managing**  
The Health and Safety Committee discussed the various ways that near miss and hit incidents along with unsafe acts and conditions can be measured and managed. As a result, a guidance document was issued to members providing options on how this can be introduced in the workplace. This was predominately for members that did not already have a programme in place but were prepared to adopt this as part of their health and safety management system. Where members agree BCSA will collect the data for accumulation which can be shared for benchmarking and incident reduction.

**Behavioural Based Safety Programmes**  
The BCSA 'Be Selfish Be Safe' programme has a simple message that can be adopted by the workforce and as a result should be self-driven. To help support the health and safety message during the pandemic the monthly health and safety themes were related to behaviours, social distancing and protective measures that were used in the workplace as tool-box talks and posters to ensure good working practices were given a high profile and actively supported.

SEE building, Salford University - Elland Steel Structures Ltd



**Health and Safety Forums**  
BCSA worked with other Trade Associations to establish common areas of health and safety concern. The following forums are actively attended:

- Construction Industry Coronavirus (CICV) Forum.
- Engineering Construction Industry Association (ECIA).
- Metals Industry Forum Education and Training Working Group.

- Metals Industry Liaison Group (EA).
- Mobile Elevating Work Platforms (MEWPs) UK Safety Forum.
- Institution of Occupational Safety and Health (IOSH).
- Weld Fume Health Partnership Forum (HSE).
- Safety Health Engineering Partnership (SHEP).

**Pre-qualification**  
The industry body Build UK and the Civil Engineering Contractors Association (CECA) worked together to establish the Common

Assessment Standard (CAS), which is intended to become the one scheme used by all those working in construction instead of the myriad of different versions that are preferred by the various main contractors. The CAS will be the scheme for all the areas of pre-qualification assessment not just health and safety.

BCSA worked with Build UK to establish some of the specialist elements of the CAS and can offer assistance to its members to develop the appropriate evidence required.

## Future projects

- Promote more near miss and incident reporting.
- Planning work tasks for health and safety.
- Support the development of initiatives.



# Training

Supporting a skilled and qualified workforce.

The number of apprenticeship training enrolments was significantly reduced nationally due to the impact of the pandemic. The devolved governments have developed their own promotions to encourage employers to engage apprentices or to create temporary positions with the intention of making them permanent roles for the young people wanting to take their first steps into employment.

BCSA continues to monitor the government initiatives for training and skills and will identify the relevant information to make sure the members are given informed choices to help maintain training programmes within the industry.



The five trades currently covered by the CRAFT training scheme are:

CRAFT	Number of Modules	Duration	Meets Trailblazer Standard	End Point Assessment	Experienced Worker Assessment
Welder Fabricator	12	2 years	Yes	Available	Available
Steel Welder	8	2 years	Yes	Available	Available
Metal Decking Installer	8	18 months	n/a	n/a	Available for CSCS Cards
Structural Steel Detailer	10	2 years	n/a	n/a	n/a
Surface Treatment	7	18 months	n/a	n/a	n/a

**CRAFT Training and E Learning:**  
The tables below show all those that have used the CRAFT trainee scheme to date:

CRAFT Course	Number Enrolled
Fabricator Welder	100
Steel Detailer	5
Welder	13
Surface Treatment	11
Metal Decking (experienced worker - first Cert. 17/06/16)	161
<b>Total</b>	<b>290</b>

E learning	Number Enrolled
Bolting	206
BIM	19
Welding	41
<b>Total</b>	<b>266</b>

BCSA will continue to ensure that the scheme is focused on the principles of validation and raises standards in the constructional steelwork sector.





### Trailblazer Programme

The Trailblazer Programme is a government initiative to develop training standards for apprenticeships. Trailblazer standards form the backbone of the government's new apprenticeship framework and must be written by employer groups.

The End Point Assessment Plans and the Standards are now available for approved training providers to work with employers to deliver the training with funding via the government apprentice levy system.

The following Trailblazer Standards, which have been developed by BCSA employer groups, are available for training providers to use:

- The Structural Steelwork Fabricator Standard: Level 2 (£5K) 24 Months  
[www.instituteforapprenticeships.org/apprenticeship-standards/structural-steelwork-fabricator/](http://www.instituteforapprenticeships.org/apprenticeship-standards/structural-steelwork-fabricator/)
- The Industrial Coatings Applicator Standard: Level 2 (£9K) 18 Months  
[www.instituteforapprenticeships.org/apprenticeship-standards/industrial-coatings-applicator/](http://www.instituteforapprenticeships.org/apprenticeship-standards/industrial-coatings-applicator/)
- The Structural Steelwork Erector Standard: Level 2 (£9K) 24 Months  
[www.instituteforapprenticeships.org/apprenticeship-standards/structural-steelwork-erector/](http://www.instituteforapprenticeships.org/apprenticeship-standards/structural-steelwork-erector/)

### Future projects

- BCSA will continue to promote industry specific training and encourage other trade associations to adopt the training.
- Ongoing consideration of new CRAFT courses depending on where access to industry specific training is limited.





# Steel for Life

Celebrating and promoting the success of structural steelwork to ensure that it remains the material of choice.

## About Steel for Life

Steel for Life's key objective is to promote the advantages of steel as a construction material, and the features that make steel the framing material of choice for a wide range of buildings, bridgeworks and other structures. Steel for Life is governed by an independent Advisory Board, comprising BCSA members and headline sponsors.

Having completed its fifth full year of operation, Steel for Life is engaging with clients, architects, engineers, main contractors and cost consultants, providing them with knowledge, support and tools for specifying and designing in steel.

Steel for Life carried out several significant marketing activities in 2020/21 some of which are described below:

## Structural Steel Design Awards

The 52nd Awards, sponsored by BCSA and Trimble Solutions (UK) Ltd, was announced online on 1st October 2020 and widely publicised via NSC magazine, Construction Manager, social media and BCSA channels. Sadly, a physical event was not possible for the 2020 Awards due to social distancing measures to combat the COVID-19 pandemic.

The objective of the Structural Steel Design Awards (SSDA) is to recognise and celebrate the excellence of the UK and the Republic of Ireland in the field of steel construction, particularly demonstrating its potential in terms of sustainability, efficiency, cost-effectiveness, aesthetics and innovation.

Entries for the Awards continue to demonstrate increasingly high standards, not only in design and fabrication, but also in speed, quality, health and safety, and environmental awareness.

Due to COVID-19 travel restrictions in 2020, the independent judging panel were unable to hold their usual project visits. Instead, they met the teams behind each of the shortlisted entries online for a virtual project visit to explore the key features, concepts and issues in more detail than could be conveyed by the entry on paper.

The Awards have made a significant contribution to the high market share of steel-framed construction.

## Future projects

- October 2021 will see the 53rd Structural Steel Design Awards, jointly sponsored by BCSA and Trimble Solutions (UK) Ltd, hopefully with a real event once again.
- Costing Steelwork will continue throughout 2021 providing construction professionals with regular cost updates for structural steelwork.
- A series of marketing activities are planned for 2021 to present the UK steel construction sector's roadmap to net-zero carbon by 2050 along with updates to the BCSA Sustainability Charter and carbon footprint tool.



## Social Media

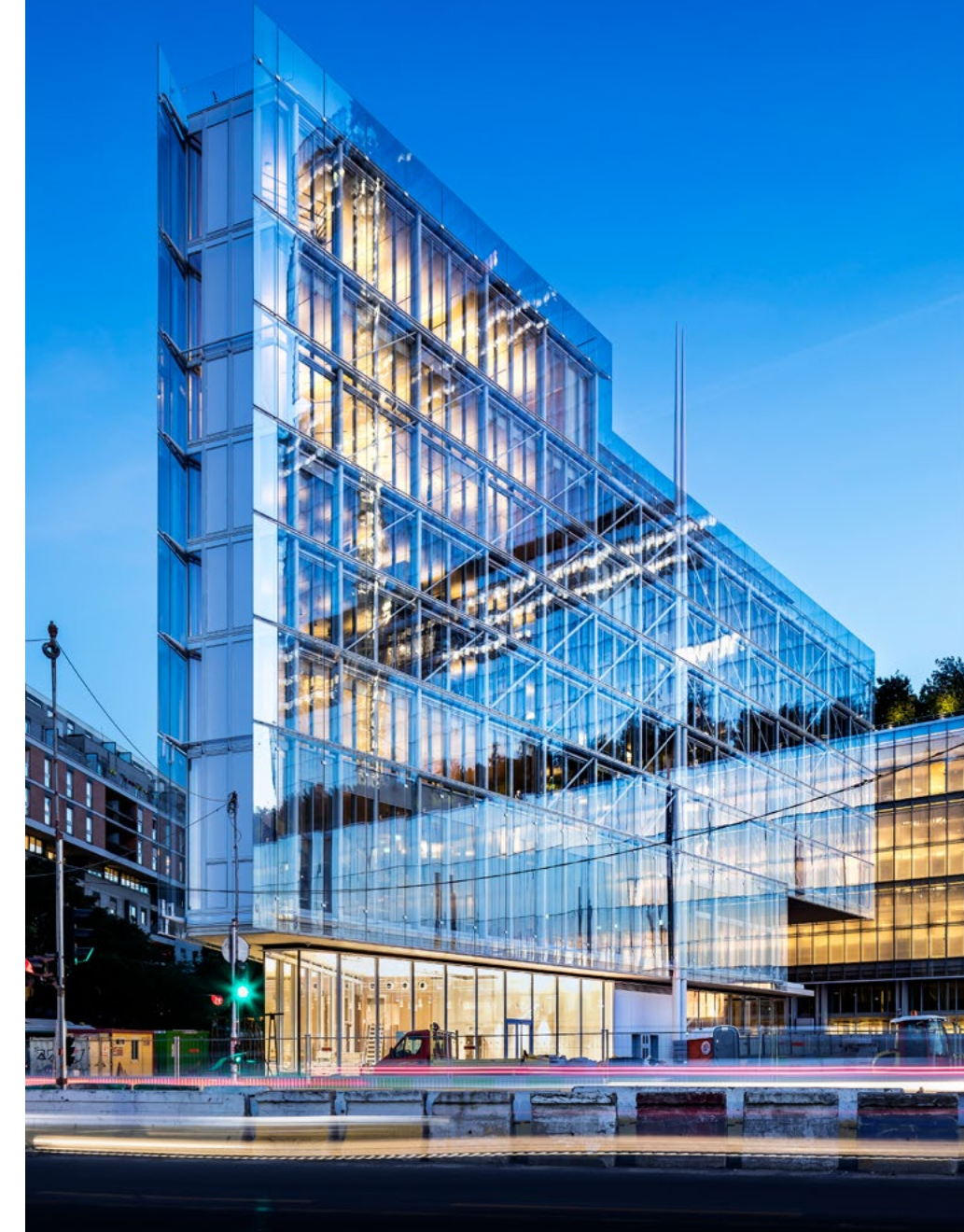
Social media, including Twitter, Facebook, LinkedIn, and our own YouTube channel, have been used to engage with specifiers to further promote [www.steelconstruction.info](http://www.steelconstruction.info) and key issues.

## New Steel Construction Magazine

New Steel Construction (NSC) continued to be published in association with the SCI in both print and digital formats with 10 issues per year, supported by a Weekly News service.

Email alerts for each issue are now sent to over 8,200 named specifiers from across the construction supply chain, and the print format circulation reaches over 5,600. The magazine is also available digitally on [www.newsteelconstruction.com](http://www.newsteelconstruction.com)

January 2021 saw the publication of the NSC Technical Digest, which brings together all of the Advisory Desk Notes and Technical Articles from the steel construction sector published in NSC magazine throughout 2020. Available in PDF format, this was widely promoted via NSC, BCSA, NCE and The Structural Engineer.





Construction Press

A number of regular steel construction features are now well established with the leading construction press. These aim to highlight the benefits of structural steel to the specifier target audience. A library of these features and guides can be found at [www.steelconstruction.info/Steel\\_construction\\_news](http://www.steelconstruction.info/Steel_construction_news)

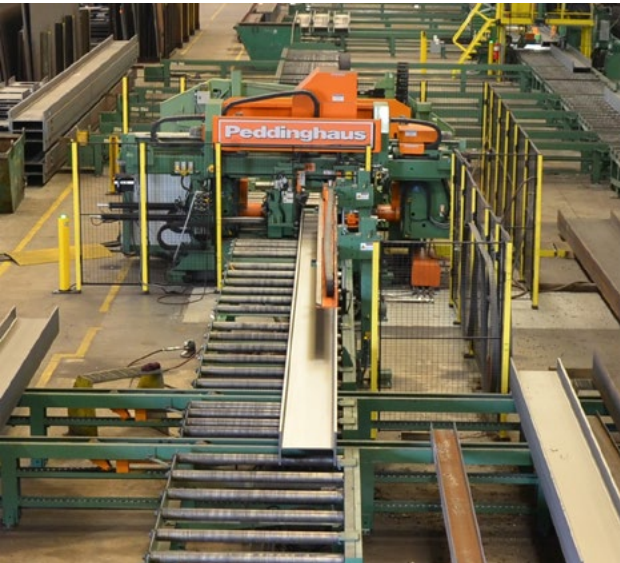
- Costing Steelwork - a quarterly feature in Building magazine, written by AECOM, to assist quantity surveyors with up-to-date information and guidance on the realistic pricing of structural steelwork. It also presents a series of cost comparisons covering five building types.
- Building Magazine CPD Modules - a series of written CPD modules which contain a full technical article followed by a multiple-choice questionnaire. The series covers sustainable steel buildings; steel and fire protection; costing structural steelwork, steel and offsite-construction, corrosion protection and steel and assessing embodied carbon.

- The Structural Engineer CPD Modules - a series of written CPD modules which contain a full technical article followed by a multiple-choice questionnaire. Mirroring those in Building magazine, but for a different audience, the series covers fire protection; steel and offsite-construction, steel and assessing embodied carbon, and steel and the circular economy.
- Construction Manager - a 14-page special feature showcasing the projects recognised in the 2020 SSDA was included in Construction Manager the official publication of CIOB members.
- 52nd SSDA commemorative brochure - this reviewed the projects that received Awards, Commendations and Merits.
- Steel construction – Carbon Credentials - this supplement, distributed with the main UK construction press in autumn 2020, provides an overview of steel's environmental attributes and guidance for designers to assist them in their decision making as they strive to address the climate emergency.

- Steel construction – UKCA Marking - this supplement, distributed with the main UK construction press in early 2021, provides an overview of the new form of conformity assessment that is replacing CE Marking in Great Britain and Northern Ireland and spells out in detail what it will mean for the steel construction sector.

Steel Essentials Seminar

Steel for Life held a Steel Essentials seminar online in October 2020, in association with The Institution of Structural Engineers. This seminar covers, steel construction options, efficient steel design, design performance, steel specification, budget costing and design resources.



Steel machinery - Peddinghaus Corporation UK Ltd



New Medical Centre, Eastbourne - Southern Fabrications (Sussex) Ltd



Headline sponsors:



Gold sponsors:

Ficpe UK Ltd | National Tube Stockholders and Cleveland Steel & Tubes  
voestalpine Metsec Plc | Wedge Group Galvanizing

Silver sponsors:

Jack Tighe Ltd | Peddinghaus Corporation

Bronze sponsors:

AJN Steelstock Ltd | Barnshaw Section Benders Ltd | Hempel | Kaltenbach Limited  
Sherwin-Williams | Tension Control Bolts Ltd | Voortman Steel Machinery

As of June 2021



# Membership

Demonstrating competence and certifying capability, resulting in improved service and client confidence.

## Membership Services

BCSA has been representing the UK constructional steelwork sector for over a century. It is a focal point at a local, national, and international level for the constructional steelwork sector.

Acting as the sector's representative body it drives forward the sector's priorities to the wider construction industry, government and provides expert technical, commercial, and business operation advice to its members.

## BCSA:

- Drives constructional steel as the material of choice in the UK and Ireland.
- Promotes the capabilities of its members to specifiers, main contractors and clients.
- Provides members with expert specialist professional advice and support.
- Represents member interests and lobbies government and industry on key sector issues.
- Brings members together through regular meetings and groups to discuss and tackle matters of common interest.
- Organises seminars, webinars and courses tailored to member needs.
- Keeps members up to date with technical advances and best practice.

New Porsche dealership, South Lakeland - BD Structures Limited



BCSA members have access to a wide range of services and benefits, both professional and economic, which are focused on helping the company, including a professional Head Office advisory service on a variety of topics.

A comprehensive briefing and information package is issued to members electronically on an almost daily basis to keep them fully informed on current matters. There are three categories of membership:

**Steelwork Contractor Members** are companies which undertake the design, fabrication and erection of all forms of construction in building and civil engineering.

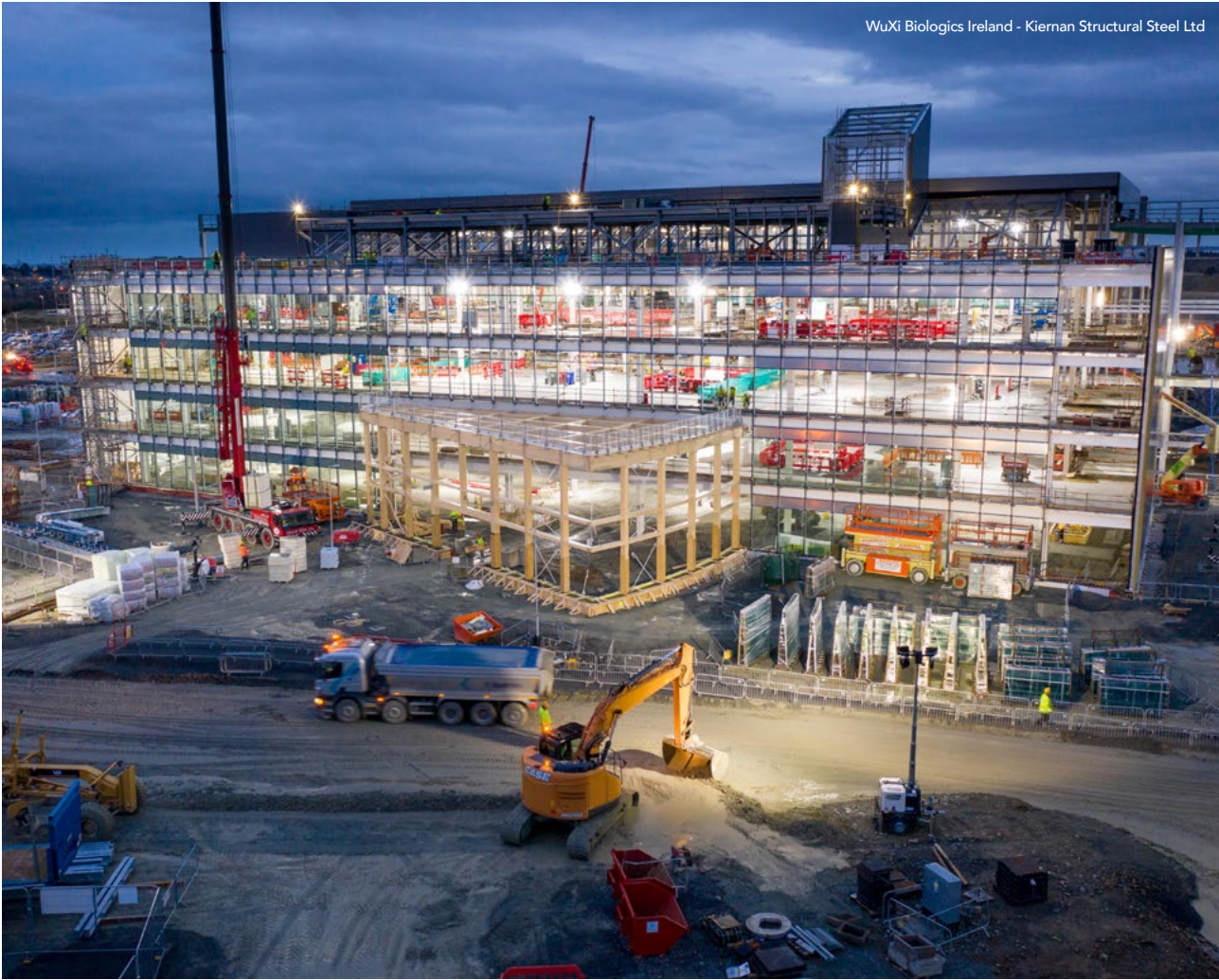
**Industry Members** are those principal companies involved in the direct supply to all or some members of components, materials or products.

**Corporate Members** are clients, professional offices, educational establishments etc which support the development of the national specifications, health and safety, quality, fabrication and erection techniques, overall industry efficiency and good practice.

## Selecting a Steelwork Contractor

To select a steelwork contractor for tender lists there is no easier way of pre-qualifying companies than using the BCSA Membership Directories for Buildings and Bridgeworks, which can be found on [www.steelconstruction.org/member-directories/buildings/](http://www.steelconstruction.org/member-directories/buildings/)

The Directories should be used to select a steelwork contractor who has the special skills to suit your project. BCSA's experienced professional assessors visit all companies to assess their capabilities in 14 Categories of building steelwork and 11 Subcategories of bridge construction.



The Categories give guidance on what type of steelwork the company is competent to undertake, which relates to the company's work facilities, its track record and its technical and management experience. Each applicant is independently assessed during a visit by reference to a range of competence criteria including technical and managerial.

Companies can attain one or several Building Categories for different types of steelwork.

The Directories also classify companies by suggesting a maximum contract value that they should handle. The Class gives guidance on the size of steelwork contract which the company has the financial and management

resources to undertake. There are over 90 steelwork contractor member companies of the BCSA, and this provides users with plenty of choice to ensure a competitive tender list. Membership of BCSA is open to any steelwork contractor who has a fabrication facility within the United Kingdom or the Republic of Ireland. See [www.steelconstruction.org/member-directories/buildings/](http://www.steelconstruction.org/member-directories/buildings/)





Cornbrook Manchester - Walter Watson Ltd

**Buildings Categories:**

- C** Heavy industrial platework for plant structures, bunkers, hoppers, silos etc.
- D** High rise buildings (offices etc. over 15 storeys)
- E** Large span portals (over 30m)
- F** Medium/small span portals (up to 30m) and low rise buildings (up to 4 storeys)
- G** Medium rise buildings (from 5 to 15 storeys)
- H** Large span trusswork (over 20m)
- J** Tubular steelwork where tubular construction forms a major part of the structure
- K** Towers and masts
- L** Architectural steelwork for staircases, balconies, canopies etc.
- M** Frames for machinery, supports for plant and conveyors
- N** Large grandstands and stadia (over 5000 persons)
- Q** Specialist fabrication services (eg. bending, cellular/castellated beams, plate girders)
- R** Refurbishment
- S** Lighter fabrications incl. fire escapes, ladders and catwalks

A full list of BCSA Steelwork Contractor members can be found at the back of this Annual Review and within the BCSA online directory:  
[www.steelconstruction.org/member-directories/buildings/](http://www.steelconstruction.org/member-directories/buildings/)

**Selecting an Industry Member**

Industry members are those principal companies involved in the direct supply to all or some members of components, materials or products.

Sub-categories of industry membership are as follows:

- Computer software
- Design services
- Manufacturing equipment
- Protective systems
- Safety systems
- Steel producers
- Steel stockholders
- Structural components
- Structural fasteners
- Welding equipment and consumables
- Membership services

A full list of industry members can be found at the back of this Annual Review and within the BCSA online directory:  
[www.steelconstruction.org/member-directories/buildings/](http://www.steelconstruction.org/member-directories/buildings/)



Cambridge House, London - Deconstruct UK Ltd



Apex Park, Daventry - Caunton Engineering Limited



ComFlor 60, Luxury House, Poole - Composite Profiles UK Ltd



Steel machinery installed at Rainham Steel Company Ltd - Cutmaster Machines (UK) Ltd



# RQSC Bridgeworks

Demonstrating competence and certifying capability, resulting in improved service and client confidence.

The Register of Qualified Steelwork Contractors Scheme for Bridgeworks (RQSC) is open to any Steelwork Contractor who has a fabrication facility within the UK and European Union. In order to be registered for Bridgeworks, a company must present references for completed supply and erect contracts that include at least three bridgework contracts (or contracts of similar complexity), of which two must each exceed £100,000 contract value completed within the last three years.

The company must have manufactured in-house at least 75% of the steelwork for each of the three contracts. The contracts must have required materials and workmanship to recognised bridgework Standards. At least one of the contracts must generally have required thick plate welding such as the butt welding of S355J2 plate in a thickness of at least 40mm.

The company's track record and the company's systems, existing facilities and employed personnel will be used to establish its capability. Companies can attain just one category, for one type of bridge steelwork, or two or more.

**Bridgeworks Categories:**

- FB** Footbridges
- CF** Complex footbridges
- SG** Sign gantries
- PG** Bridges made principally from plate girders
- TW** Bridges made principally from trusswork
- BA** Bridges with stiffened complex platework (eg in decks, box girders or arch boxes)
- CM** Cable-supported bridges (eg cable-stayed or suspension) and other major structures (eg 100 metre span)
- MB** Moving bridges
- FRF** Factory bridge refurbishment
- SRF** On site bridge refurbishment
- AS** Ancillary structures in steel associated with bridges, footbridges or sign gantries (eg grillages, purpose-made temporary works)

Highways England Company Ltd, Transport Scotland and Northern Ireland's Department for Regional Development require that companies seeking to tender for contracts involving the fabrication and erection of bridgeworks should be listed on the Register of Qualified Steelwork Contractors for the type and value of work to be undertaken.

For a full list of RQSC members please visit [www.steelconstruction.org/member-directories/bridgeworks](http://www.steelconstruction.org/member-directories/bridgeworks)



Hatfield Link Road, Doncaster - Cleveland Bridge UK Ltd



Carrington Bridge, Worcester - Cleveland Bridge UK Ltd



Murdoch's Connection Bridge, Hull - SH Structures Ltd



# Steel Construction Certification Scheme

Ensuring Commitment to Quality, Environmental and Occupational Health & Safety.

**Certification Services – 2020/21**  
The COVID-19 pandemic audit guidance issued by both the International Accreditation Forum (IAF) and United Kingdom Accreditation Service (UKAS) has allowed the use of either remote auditing techniques or the postponement of scheduled audits as a form of risk mitigation during the Pandemic. SCCS has adapted well to this new normal without compromising the level of service expected by our certified clients, subsequently demand for SCCS certification services continues to grow significantly.

A vast majority of Quality Management (QMS), Environmental Management (EMS), Occupational Health & Safety Management (OHSMS), Welding Quality Management Systems (WQMS) and Factory Production Control (FPC) initial certification, surveillance and recertification assessments scheduled for 2020/21 were successfully completed throughout the year either as a physical or remote audit.

During 2020/21 SCCS continued to work alongside Highways England on the issues related to NHSS 3, NHSS 3B, NHSS 19A and NHSS 20 standards. SCCS continues to be recognised as the lead Certification Body for National Highways Sector Schemes 3, 3B, 19A and 20.

The voluntary certification audits for site installation compliance to BS EN 1090-2:2008+A1:2011 continued during 2020/21.

SCCS actively attended the UK meetings of UK Approved Bodies, the NHSS Sector Scheme 3, 3B, 19A and 20 meetings, the NHSS Liaison Group meetings and the NHSS Certification Body Group meetings during 2020/21.

**UKAS Accreditation**  
SCCS maintained its accreditation for the Scheme's BS EN ISO 9001:2015, BS EN ISO 14001:2015, BS EN ISO 3834:2005, BS OHSAS 18001:2007/BS EN ISO 45001:2018, SSIP, NHSS 3, NHSS 3B, NHSS 19A and NHSS 20 certification systems to BS EN ISO/IEC 17021-1:2015.

Due to the United Kingdom departing as an EU member state in late 2020 SCCS was automatically transferred from EU Notified Body status to UK Approved Body status for the purpose of UKCA & CE+UKNI Marking of Structural Steelwork in accordance with BS EN 1090-1:2009+A1:2011.

## Future Developments

SCCS is currently investigating a number of business development opportunities with potential clients that operate within the structural steelwork industry or allied industries.



Felstead Preparatory School, Essex - SDM Fabrication Ltd



Grain House, Drury Lane, London - LA Metalworks Ltd



Basildon Cinema - Walter Watson Ltd



Oculus style staircase, Cardiff Innovation Centre, Wales - Taunton Fabrications Ltd



Steel Construction Certification Scheme Business Performance

Standard	Certified BCSA members	Certified Non BCSA members	In Process BCSA members	In Process Non BCSA members	Total Certificate Issued	Total Certificates Pending
BS EN ISO 9001:2015	55	147	1	18	202	19
BS EN ISO 14001:2015	24	27	2	6	51	8
BS OHSAS 18001:2007 / BS EN ISO 45001:2018	23	21	3	3	44	6
BS EN ISO 3834:2005	20	38	10	12	58	22
BS EN 1090-1:2009+A1:2011	84	456	1	18	540	19
National Highways Sector Scheme 3	0	1	0	1	1	1
National Highways Sector Scheme 3B	8	6	0	0	14	0
National Highways Sector Scheme 19A	5	7	0	0	12	0
National Highways Sector Scheme 20	18	22	1	0	40	1
BS EN 14399:2015 / BS EN 15048:2007	0	3	0	0	3	0
Safety Scheme In Procurement	2	3	0	0	5	0
Total	239	731	18	58	970	76

As of 16 March 2021.



TG Columns, Turbine Hall, Hinkley Point C - William Hare Ltd



Royal Devon and Exeter Hospital ICU Unit - Snashall Steel Fabrications Co Ltd



National Grid, Dorset Visual Impact Project, Steelwork for L13 Pylon and Gentries - Had Fab Ltd

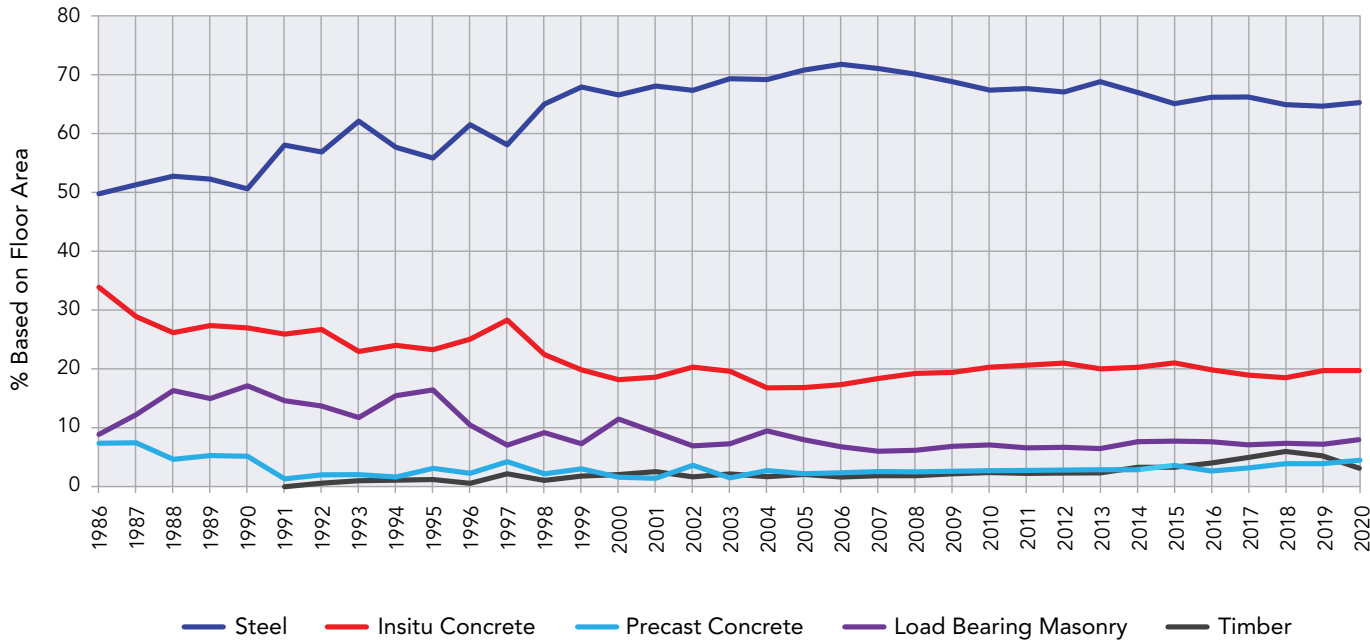


Westlands Outdoor Leisure Centre - PMS Fabrications Ltd



# Market share of Constructional Steelwork

Steel's Share of UK Multi-Storey Non-Residential Market



# Consumption of Constructional Steelwork

UK Consumption of Construction Steelwork

SECTOR												FORECAST		
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Industrial	335	332	330	350	378	407	431	416	431	424	330	381	422	423
Offices	99	96	90	88	87	106	124	123	104	100	83	86	84	85
Retail	31	29	24	20	21	21	18	17	16	11	6	6	6	6
Leisure	50	48	36	31	37	34	28	37	36	29	25	26	27	28
Health	51	44	32	31	30	27	25	22	15	17	12	17	23	27
Education	137	135	104	87	95	98	85	79	75	71	48	46	49	51
Power	31	34	37	43	51	57	67	74	85	89	79	103	106	108
Bridges	42	19	21	23	24	29	22	17	21	17	20	27	27	25
Other Infrastructure	24	25	27	28	29	30	34	35	40	46	41	59	62	64
Domestic	16	12	10	8	6	9	13	12	11	12	8	8	9	9
Agriculture	49	45	39	36	16	18	16	16	17	15	9	9	10	11
Other	14	12	11	10	9	7	9	10	10	10	8	8	8	9
Fabricated Imports	16	16	17	18	19	20	21	19	18	18	14	18	20	19
Total UK Consumption	895	847	778	773	802	864	892	876	879	858	683	794	853	864
Yr-on-yr % Change	-11.0%	-5.4%	-8.2%	-0.6%	3.8%	7.6%	3.3%	-1.8%	0.3%	-2.4%	-20.3%	16.2%	7.4%	1.2%
Fabricated Exports	100	95	93	90	90	90	90	90	90	90	75	83	90	90
Total UK Production	979	926	854	845	873	934	961	947	951	930	744	859	923	935

Figures in thousand tonnes  
Figures supplied by BCSA and Steel for Life



# Members Listing



## Steelwork contractors for buildings

Member companies that undertake the design, fabrication and erection of steelwork for all forms of construction in building and civil engineering.

A C Bacon Engineering Ltd www.acbacon.co.uk
Adey Steel Ltd www.adeysteel.co.uk
Adstone Construction Ltd www.adstone-construction.co.uk
Advanced Fabrications Poyle Ltd www.advancedfabricationspoyle.co.uk
AJ Engineering & Construction Services Ltd www.ajengineering.co.uk
Angle Ring Company Ltd www.anglering.com
Arminhall Engineering Ltd www.arminhall.co.uk
Arromax Structures Ltd www.arromax.co.uk
ASME Engineering Ltd www.asmeengineering.co.uk
Atlasco Constructional Engineers Ltd www.atlasco.co.uk
B D Structures Ltd www.bdstructures.co.uk
Ballykine Structural Engineers Ltd www.ballykine.com
<b>Barnshaw Section Benders Ltd</b> <b>www.barnshaws.com</b>
BHC Ltd www.bhc.ltd.uk
Billington Structures Ltd www.billington-structures.co.uk

Border Steelwork Structures Ltd www.bordersteelwork.co.uk
Bourne Group Ltd www.bournegroup.ltd
Briton Fabricators Ltd www.britonsltd.co.uk
Cairnhill Structures Ltd www.cairnhillstructures.co.uk
Caunton Engineering Ltd www.caunton.co.uk
Cementation Fabrications www.skanska.co.uk
Cleveland Bridge UK Ltd www.clevelandbridge.com
CMF Ltd www.cmf.co.uk
Cook Fabrications Ltd www.cookfabrications.co.uk
Coventry Construction Ltd www.covcon.co.uk
D H Structures Ltd 01785 246269
D Hughes Welding & Fabrication Ltd www.dhwelding.com
Duggan Steel www.duggansteel.ie
ECS Engineering Services Ltd www.ecseng.co.uk
Elland Steel Structures Ltd www.ellandsteel.com

EvadX Ltd www.evadx.com
Four Bay Structures Ltd www.4bay.co.uk
Four-Tees Engineers Ltd www.fourtees.co.uk
Fox Bros Engineering Ltd www.foxbros.ie
Gorge Fabrications Ltd www.gorgefabs.co.uk
G.R. Carr (Essex) Ltd www.grcarr.com
H.Young Structures www.hyoungstructures.co.uk
Had Fab Ltd www.hadfabltd.co.uk
Harry Peers Steelwork Ltd www.peers.co.uk
Hescott Engineering Company Ltd www.hescott.co.uk
Hillcrest Structural Ltd www.hillcreststructural.co.uk
Intersteels Ltd www.intersteels.com
J & A Plant Ltd www.ja-steel-fabrication.co.uk
James Killelea & Co Ltd www.killelea.co.uk
Kiernan Structural Steel Ltd www.kssl.ie
Kloekner Metals UK – Westok www.kloeknerwestok.com
LA Metalworks Ltd www.lametalworks.co.uk
Leach Structural Steelwork Ltd www.leachsteel.com
Legge Steel (Fabrications) Ltd www.leggesteel.co.uk

Littleton Steel Ltd www.littletonsteel.co.uk
M Hasson & Sons Ltd www.hassons.com
M&S Engineering Ltd www.mandsengineering.co.uk
Mackay Steelwork & Cladding Ltd www.mackaysteelworkcladding.co.uk
Maldon Marine Ltd www.maldon-marine.co.uk
Mifflin Construction Ltd www.mifflin.co.uk
Murphy International Ltd www.murphygroup.ie
Newbridge Engineering Ltd www.neluk.com
North Lincs Structures Ltd www.northlincsstructures.com
Nusteel Structures Ltd www.nusteelstructures.com
Painter Brothers Ltd www.painterbrothers.com
Peter Marshall Steel Stairs Ltd www.marshallstairs.com
PMS Fabrications Ltd www.pmsfabrications.co.uk
REIDsteel www.reidsteel.com
Robinson Structures Ltd www.robinsons.com
SAH Luton Ltd www.sahengineeringltd.co.uk
SH Structures Ltd www.shstructures.com
SDM Fabrication Ltd www.sdmstructures.com
Severfield plc www.severfield.com

Severfield (NI) Ltd www.severfield.com
SGC Steel Fabrication www.sgc-steel.co.uk
Shaun Hodgson Engineering Ltd www.sheltd.co.uk
Shipleys Structures Ltd www.shipleysuk.com
Snashall Steel Fabrications Co Ltd www.snashallsteel.co.uk
South Durham Structures Ltd www.south-durham-structures.co.uk
Southern Fabrications (Sussex) Ltd www.sfabs.co.uk
Steel & Roofing Systems www.steelandroofingsystems.ie
Taunton Fabrications Ltd www.tauntonfab.co.uk
Taziker Industrial Ltd www.ti.uk.com
Temple Mill Fabrications Ltd www.templemill.co.uk
Traditional Structures Ltd www.traditionalstructures.co.uk
TSI Structures Ltd www.tsisttructures.co.uk
Underhill Engineering Ltd www.underhillengineering.co.uk
WIG Engineering Ltd www.wigsteel.co.uk
Walter Watson Ltd www.walter-watson.co.uk
Westbury Park Engineering Ltd www.westburyparkengineering.co.uk
William Haley Engineering Ltd www.haleyengineering.co.uk
William Hare Ltd www.hare.com

As of June 2021. Bold text denotes Steel for Life sponsors



# Members Listing



## Steelwork contractors for bridges

The Register of Qualified Steelwork Contractors Scheme for Bridgeworks (RQSC) is open to any Steelwork Contractor who has a fabrication facility within the European Union.

Adey Steel Ltd <a href="http://www.adeysteel.co.uk">www.adeysteel.co.uk</a>	Kiernan Structural Steel Ltd <a href="http://www.kssl.ie">www.kssl.ie</a>
AJ Engineering & Construction Services Ltd <a href="http://www.ajengineering.co.uk">www.ajengineering.co.uk</a>	M Hasson & Sons Ltd <a href="http://www.hassons.com">www.hassons.com</a>
Billington Structures Ltd <a href="http://www.billington-structures.co.uk">www.billington-structures.co.uk</a>	Millar Callaghan Engineering Services Ltd <a href="http://www.millar-callaghan.co.uk">www.millar-callaghan.co.uk</a>
Bourne Group Ltd <a href="http://www.bournegroup.ltd">www.bournegroup.ltd</a>	Murphy International Ltd <a href="http://www.murphygroup.ie">www.murphygroup.ie</a>
Briton Fabricators Ltd <a href="http://www.britonsltd.co.uk">www.britonsltd.co.uk</a>	Nusteel Structures Ltd <a href="http://www.nusteelstructures.com">www.nusteelstructures.com</a>
Cairnhill Structures Ltd <a href="http://www.cairnhillstructures.co.uk">www.cairnhillstructures.co.uk</a>	REIDsteel <a href="http://www.reidsteel.com">www.reidsteel.com</a>
Cementation Fabrications <a href="http://www.skanska.co.uk">www.skanska.co.uk</a>	SH Structures Ltd <a href="http://www.shstructures.com">www.shstructures.com</a>
Cleveland Bridge UK Ltd <a href="http://www.clevelandbridge.com">www.clevelandbridge.com</a>	Severfield (UK) Ltd <a href="http://www.severfield.com">www.severfield.com</a>
D Hughes Welding & Fabrication Ltd <a href="http://www.dhwelding.com">www.dhwelding.com</a>	Shaun Hodgson Engineering Ltd <a href="http://www.sheltd.co.uk">www.sheltd.co.uk</a>
Donyal Engineering Ltd <a href="http://www.donyal.co.uk">www.donyal.co.uk</a>	Taziker Industrial Ltd <a href="http://www.ti.uk.com">www.ti.uk.com</a>
ECS Engineering Services Ltd <a href="http://www.ecseng.co.uk">www.ecseng.co.uk</a>	Underhill Engineering Ltd <a href="http://www.underhillengineering.co.uk">www.underhillengineering.co.uk</a>
Four-Tees Engineers Ltd <a href="http://www.fourtees.co.uk">www.fourtees.co.uk</a>	William Hare Ltd <a href="http://www.hare.com">www.hare.com</a>

As of June 2021



## Corporate members

Corporate Members are clients, professional offices, educational establishments etc which support the development of national specifications, quality, fabrication and erection techniques, overall industry efficiency and good practice.

Gene Mathers 0115 9747831
Griffiths & Armour <a href="http://www.griffithsandarmour.com">www.griffithsandarmour.com</a>
Highways England Company Ltd <a href="http://www.highwaysengland.co.uk">www.highwaysengland.co.uk</a>
Keiths Welding Limited 07791 432 078
Paul Hulme Engineering Ltd 07801 216 858
QHSE-Interspect Ltd <a href="http://www.qhse-interspect.co.uk">www.qhse-interspect.co.uk</a>
Sandberg LLP <a href="http://www.sandberg.co.uk">www.sandberg.co.uk</a>
Structural & Weld Testing Services Ltd <a href="http://www.swtndt.co.uk">www.swtndt.co.uk</a>
SUM Ltd <a href="http://www.wearesum.co.uk">www.wearesum.co.uk</a>

As of June 2021



# Members Listing



## Industry members

Industry Members are those principal companies involved in the direct supply to all or some Steelwork Contractor Members of components, materials or products. Industry member companies must have a registered office within the United Kingdom or Republic of Ireland.

### STRUCTURAL COMPONENTS

Albion Sections Ltd  
[www.albionsections.co.uk](http://www.albionsections.co.uk)

BW Industries Ltd  
[www.bw-industries.co.uk](http://www.bw-industries.co.uk)

Cellbeam Ltd  
[www.cellbeam.co.uk](http://www.cellbeam.co.uk)

Composite Profiles UK Ltd  
[www.compositeuk.com](http://www.compositeuk.com)

Construction Metal Forming Ltd  
[www.cmf.uk.com](http://www.cmf.uk.com)

Daver Steels Ltd  
[www.daversteels.co.uk](http://www.daversteels.co.uk)

Fabsec Ltd  
[www.fabsec.co.uk](http://www.fabsec.co.uk)

Farrat Isolevel Ltd  
[www.farrat.com](http://www.farrat.com)

FLI Structures  
[www.fli.co.uk](http://www.fli.co.uk)

Hadley Industries Plc  
[www.hadleygroup.com](http://www.hadleygroup.com)

Hi-Span Ltd  
[www.hi-span.com](http://www.hi-span.com)

**Jamestown Manufacturing Ltd**  
**[www.jamestownprofiling.com](http://www.jamestownprofiling.com)**

Kingspan Limited  
[www.kingspan.com/gb/en-gb](http://www.kingspan.com/gb/en-gb)

MSW UK Ltd  
[www.mswukltd.com](http://www.mswukltd.com)

Prodeck-Fixing Ltd  
[www.prodeck-fixing.co.uk](http://www.prodeck-fixing.co.uk)

Structural Metal Decks Ltd  
[www.smdltd.co.uk](http://www.smdltd.co.uk)

Stud-Deck Services Ltd  
[www.studdeckservices.co.uk](http://www.studdeckservices.co.uk)

Tata Steel – ComFlor  
[www.tatasteelconstruction.com](http://www.tatasteelconstruction.com)

**voestalpine Metsec plc**  
**[www.metsec.com](http://www.metsec.com)**

### STRUCTURAL FASTENERS

BAPP Group Ltd  
[www.bapp.co.uk](http://www.bapp.co.uk)

Blind Bolt  
[www.blindbolt.co.uk](http://www.blindbolt.co.uk)

Cooper & Turner Ltd  
[www.cooperandturner.co.uk](http://www.cooperandturner.co.uk)

Lindapter International  
[www.lindapter.com](http://www.lindapter.com)

**Tension Control Bolts Ltd**  
**[www.tcbolts.com](http://www.tcbolts.com)**

### WELDING EQUIPMENT AND CONSUMABLES

Air Products PLC  
[www.airproducts.co.uk](http://www.airproducts.co.uk)

### STEEL STOCKHOLDERS

**AJN Steelstock Ltd**  
**[www.ajnsteelstock.co.uk](http://www.ajnsteelstock.co.uk)**

ArcelorMittal Distribution Solutions UK Ltd  
[www.arcelormittal.com](http://www.arcelormittal.com)

**Barrett Steel Limited**  
**[www.barrettsteel.com](http://www.barrettsteel.com)**

British Steel Distribution  
[www.britishsteel.co.uk](http://www.britishsteel.co.uk)

**Cleveland Steel & Tubes Ltd**  
**[www.cleveland-steel.com](http://www.cleveland-steel.com)**

Dent Steel Services (Yorkshire) Ltd  
[www.dentsteel.co.uk](http://www.dentsteel.co.uk)

Dillinger Hutte U.K. Limited  
[www.dillinger.de](http://www.dillinger.de)

Duggan Profiles & Steel Service Centre Ltd  
[www.steel.ie](http://www.steel.ie)

Kloeckner Metals UK  
[www.kloecknermetalsuk.com](http://www.kloecknermetalsuk.com)

Murray Plate Group Ltd  
[www.murraysteelproducts.com](http://www.murraysteelproducts.com)

**National Tube Stockholders Ltd**  
**[www.nationaltube.co.uk](http://www.nationaltube.co.uk)**

Rainham Steel Company Ltd  
[www.rainhamsteel.co.uk](http://www.rainhamsteel.co.uk)

### MEMBERSHIP SERVICES

Deconstruct UK Ltd  
[www.deconstructuk.com](http://www.deconstructuk.com)

### PROTECTIVE SYSTEMS

Forward Protective Coatings Ltd  
[www.forwardprotectivecoatings.co.uk](http://www.forwardprotectivecoatings.co.uk)

**Hempel UK Ltd**  
**[www.hempel.com](http://www.hempel.com)**

Highland Metals Ltd  
[www.higalv.co.uk](http://www.higalv.co.uk)

International Paint Ltd  
[www.international-pc.com](http://www.international-pc.com)

**Jack Tighe Ltd**  
**[www.jacktighe.com](http://www.jacktighe.com)**

Joseph Ash Galvanizing  
[www.josephash.co.uk](http://www.josephash.co.uk)

PPG Architectural Coatings UK & Ireland  
[www.ppg.com](http://www.ppg.com)

**Sherwin-Williams Protective & Marine Coatings**  
**[www.sherwin-williams.com/protectiveEMEA](http://www.sherwin-williams.com/protectiveEMEA)**

Vale Protective Coatings Ltd  
[www.valeprotective.co.uk](http://www.valeprotective.co.uk)

**Wedge Group Galvanizing Ltd**  
**[www.wedge-galv.co.uk](http://www.wedge-galv.co.uk)**

### COMPUTER SOFTWARE

Idea Statica UK Ltd  
[www.ideastatica.uk](http://www.ideastatica.uk)

STRUMIS Ltd  
[www.strumis.com](http://www.strumis.com)

Trimble Solutions (UK) Ltd  
[www.tekla.com/uk](http://www.tekla.com/uk)

### STEEL PRODUCERS

British Steel Ltd  
[www.britishsteel.co.uk](http://www.britishsteel.co.uk)

Tata Steel – Tubes  
[www.tatasteeleurope.com](http://www.tatasteeleurope.com)

### SAFETY SYSTEMS

easi-edge Ltd  
[www.easi-edge.co.uk](http://www.easi-edge.co.uk)

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British Steel Ltd  
[www.britishsteel.co.uk](http://www.britishsteel.co.uk)

Tata Steel – Tubes  
[www.tatasteeleurope.com](http://www.tatasteeleurope.com)

### MANUFACTURING EQUIPMENT

Behringer Ltd  
[www.behringerltd.co.uk](http://www.behringerltd.co.uk)

**Cutmaster Machines (UK) Ltd**  
**[www.cutmastermachines.co.uk](http://www.cutmastermachines.co.uk)**

**Ficep (UK) Ltd**  
**[www.ficep.co.uk](http://www.ficep.co.uk)**

Kaltenbach Ltd  
[www.kaltenbach.co.uk](http://www.kaltenbach.co.uk)

Lincoln Electric (UK) Ltd  
[www.lincolnelectric.com](http://www.lincolnelectric.com)

**Peddinghaus Corporation UK Ltd**  
**[www.peddinghaus.co.uk](http://www.peddinghaus.co.uk)**

As of June 2021.  
Bold text denotes Steel for Life sponsors





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