

2023  
2024



**BCSA**

**Annual Review**





The British Constructional Steelwork Association (BCSA) is the national organisation for the steel construction industry in the UK and the Republic of Ireland. BCSA Limited operates on a local, national, and international levels, raising the profile of the sector and its Members.

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, sustainability, 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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The Review covers the period July 2023 to June 2024



**An overview of the constructional steelwork market, the achievements of the Association and a look forward to future developments.**

# Introduction

## By Jonathan Clemens

In 2023, the consumption of constructional steelwork remained at 893,000 tonnes which is only a small decrease of 1% on 2022. Steel took the greatest market share of 48.6%, compared to other framing materials. Industrial buildings increased by 2.2% to 450,000 tonnes in 2023, but is forecast to fall in 2024 before seeing an upward trend in 2025 and 2026. Also, the consumption figure for offices rose by 9.1% to 107,000 tonnes, but is forecast to fall back by 14% in 2024 before stabilising in 2025 and 2026.

Although key growth sectors for structural steelwork in the forecast are hard to find as the post-pandemic recovery is over, online retail is not going away and there are some major gigafactory projects in the pipeline. In addition, attractive office space will still be required, even for hybrid working, so demand for sheds and office buildings should stabilise. As for the health, education and renewable power generation sectors, the long-promised investment in new hospitals, schools and low carbon energy production, should create further opportunities for the steel construction sector.

In early 2024, BCSA launched its very first steel construction industry Manifesto, at the House of Lords on 16 January. It includes the following five asks of Government:

- End cash retentions
- Public project procurement
- Apprenticeships to meet the growing skills gap
- Access to finance to innovate
- Support for the steelmakers to decarbonise

The launch was attended by Peers from the House of Lords and Members of Parliament, which gained praise from them, for producing a practical range of asks of Government, supported by the industry.

BCSA's ask to end cash retentions received strong support from Debbie Abrahams MP, who proposed a new clause to the Procurement Bill mandating the use of project bank accounts ensuring retention money was kept safe. Unfortunately, the Government blocked this change. Further support came from Lord Aberdare who asked Government what progress they are making to end the practice of cash retentions by 2025. BCSA will continue to lobby Government to end cash retentions and to support the industry's other demands.

Shortly, following this, were the announcements and ensuing media attention from British Steel and Tata Steel to, transition from Basic Oxygen Steelmaking (BoS) production to Electric Arc Furnace (EAF) steelmaking over the next few years, which is a positive step for the industry.

BCSA remains focused on sustainability and the decarbonisation of the steel sector and has helped Members reduce their carbon emissions through membership of the Steel Construction Sustainability Charter, and the promotion of reused steel. BCSA is also developing a design efficiency guide to help the sector reduce embodied carbon emissions through more efficient designs. The publication will be released later this year.

Last year Dr David Moore reported that BCSA had published the 7th Edition, 1st Revision of the National Structural Steelwork Specification for Building Construction (NSSS). One of the main changes was the introduction of the Register of Qualified Steelwork Contractors for Buildings (RQSC), which became a mandatory requirement in early October 2023. Members of RQSC are assessed for their competence and capability, which the Building Safety Act 2022 focuses on, in relation to the steel they fabricate for buildings. This should provide main contractors and clients with confidence on the delivery of their projects. I'm pleased to announce that a significant number of steelwork contractors have already signed up to RQSC.

BCSA continues to be involved in the development of the 2nd generation of the European Standards for the design of constructional steelwork, and has prepared a business plan to update the current suite of steel design standards. This work will start by revising the 'Blue Book' (comprehensive section property data is provided as well as tables of member resistances) and the 'Green Books' (guidance for structural steelwork connections for use in buildings) and the 'Blue Book' will include section resistance for higher grade steel, including S420 and S460.

BCSA is soon to publish the National Light-Gauge Steelwork Specification for Building Construction. This provides a specification for the designers, manufacturers and installers of light-gauge steel structures. The publication includes a section on quality management, which requires those involved in light-gauge steel to have the necessary facilities, skills, competence, and capability to undertake the work.

Finally, BCSA itself, has also gone through several changes this year. The Annual General Meeting in June 2023 saw the election of a new BCSA President. Mark Denham MD at Elland Steel stood down after three challenging years for the industry and the Association, resulting from the pandemic and Brexit. He was replaced by Gary Simmons, Chief Engineer at William Hare Ltd. In April 2024, Dr David Moore stepped down from his position, to become BCSA's Deputy CEO and myself, Jonathan Clemens, took over as BCSA CEO.

I aim to build on the changes introduced by Mark Denham and Dr David Moore over the past four years, to develop a stronger and more sustainable constructional steelwork sector and an Association able to meet the opportunities from emerging technologies such as AI and robotic manufacturing, positioning steel as the sustainable choice for construction, and supporting skills and diversity in our industry.



**Jonathan Clemens**  
Chief Executive Officer



**Gary Simmons**  
President



Widening knowledge of current commercial and legal issues to enable member resilience, competency, and best value from contracts.

# Commercial and 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, 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. It is well-attended with an average of 15 Members representing all the membership regions.

## **Political instability and recession**

BCSA was a key conduit in providing information for Members through challenging economic conditions in the last year. Guidance was provided generally and individually on the legal aspects of the Building Safety Act, contractual and financial matters, BCIS indices, contract fluctuation clauses

and public sector infrastructure projects. BCSA has continued its alliance with; Build UK, Construction Industry Collective Voice (CICV) Forum and the Construction Industry Council (CIC), to gather and share advice, and speak directly to Government.

## **Webinars**

BCSA was able to offer a number of webinars to Members in 2023/24, which included:

- Contractual Risks
- Payments and Notices
- Pre-Construction Services Agreements
- Construction Adjudication and the Resolution of Payment Disputes and Performance Bonds
- Retention Bonds and Advanced Payment Bonds
- Business Resilience

These were well-attended and also serve as a permanent resource on the website in the BCSA-members only area. BCSA staff have also resumed Member visits and have provided bespoke training.



## 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 such as:

- **Disputes Resolution Helpline**

Free expert advice is available to Members on BCSA's disputes resolution telephone and email service.

- **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 business resilience were given at BCSA regional meetings.

- **JTC Taxation Newsline**

BCSA subscribes to a newsletter and advice service providing expert construction tax advice which is available to Members on the website. There is also an advice section on IR35/Off Payroll Working.

- **Model Letters and Documents**

A number of template letters and documents are available in the member area of the BCSA website, including a contracts review/due diligence checklist, retention bonds, 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 Advice**

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 Build UK's free helplines are available in the member's area of the BCSA website to assist Members in managing their contracts and businesses.

## Future Projects

- **New edition of The Orange Book (Allocation of Design Responsibilities in Structural Steelwork)**





Butlins PLAYXPERIENCE, Bognor Regis – Snashall Steel Fabrications Co Ltd



Avian Nesting Structures off the coast of Lowestoft – Four-Tees Engineers Ltd



AF Girder Clamp, Euston Station – Lindapter International



Assisting members to deliver quality, cost effectiveness and buildability.

# Process and Technical

BCSA's Process and Technical team supports Members by providing them with technical advice on a range of subjects, promoting research and technology projects to develop guidance and practical rules on the design and fabrication of structural steelwork. BCSA's Process and Technical team achieved the following in 2023/24.

## 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, specifications and interpretation of design and execution (fabrication and erection) standards
- Advice on Conformity Assessment (UKCA, CE+UKNI and CE marking)
- Dedicated advisory service for coatings (coatings@bcsa.org.uk) and welding (welding@bcsa.org.uk)

BCSA steelwork contractor Members also receive complimentary membership of The Steel Construction Institute (SCI), as part of their BCSA membership package.

## Conformity Assessment

In 2023/2024, the BCSA continued to provide advice on Conformity Assessment (UKCA and CE marking) to BCSA Members and the wider construction industry. CE and UKCA marking will both be accepted in Great Britain until 30th June 2025.

BCSA also continued to lobby Government, Trading Standards and the Office for Product Safety and Standards (OPSS), to take a stronger approach to the policing of CE and UKCA marking.

## Technical Strategy

In 2023/2024 BCSA continued its programme of technical activities including:

### 1. Best practice for low-carbon steel buildings

The SCI, with BCSA funding, has produced a design guide explaining how steelwork designers can make their buildings more sustainable. The focus is lightweight design (low embodied carbon), through efficient design, although the broader sustainability benefits of steel construction are also included. The guide also recognises the opportunities for the reuse of reclaimed steelwork in new projects.

### 2. Deflection limits for mega-sheds

BCSA maintained its relationship with Imperial College London, which is carrying out research into the deflection limits for mega-sheds, with the following objectives:

- To use finite element models to study the interaction between the steel frame and the cladding it supports
- To study, in particular, the effect of scale and relative flexibility of the frame and the cladding, and the consequences on the connecting elements
- To identify potential problems and propose any mitigation strategy



### 3. Holding down arrangements

The BCSA has commissioned the SCI to identify the differences between the current design guides for connections for holding down arrangements (i.e the Green Books) and the 2nd generation of the European design standards, the Eurocodes. The review identified two main differences. The first is that the new version of BS EN 1993-1-8 for joint design includes a factor that reduces the shear resistance of column bases to account for the induced moment in the fasteners. The second is that BS EN 1992-4 includes rules for different fasteners used in concrete. Both changes will be included in a new Green Book for holding down arrangements, which should be available in early 2025.

### 4. Portal frames in boundary conditions

Portal frame structures, with walls that are close to a site boundary, are generally designed with moment-resisting bases and fire protected columns to prevent a fire within the building from spreading to other structures. BCSA established a Working Group in September 2023 to provide guidance on how to specify, design and execute the fire resistance of the boundary wall, including the supporting structure required for the external cladding systems, and the level of fire protection required for the external columns. The Working Group has produced a flow-chart, supported by a commentary, to help designers and this will be made available later in 2024.

### 5. Second generation Eurocode design guides

The BCSA is developing a business plan to align the current suite of publications for the design of steel structures, with the recommendations given in the 2nd generation of the Eurocodes. There are about 20 design guides and the programme will initially focus on the Blue Book which gives

comprehensive tables of member resistances for steel grades S275 - S460 and the Green Books which gives guidance for the design of steelwork connections for use in buildings.

### National Light-Gauge Steelwork Specification for Building Construction

The BCSA is soon to publish the National Light-Gauge Steelwork Specification for Building Construction. The aim of this publication is to provide a uniform set of requirements for the manufacture and construction of light-gauge steel structures in compliance with the requirements for the European Standards. The specification also includes a section on quality management, which requires the designers, manufacturers and installers for light-gauge steel structures to have the necessary facilities, skills and quality management systems in place.



### Codes and Standards

BCSA continued to participate in the development of the European structural design and execution 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 standards
- Product standards, including bolts and welds
- Harmonised standards for CE marking, and designated standards for UKCA marking

All the European structural design standards, the Eurocodes, are being revised and a new set will be issued from 2028 onwards. Key developments in these standards in 2023/24 include:

- BS EN 1993-1-1:2022 – General rules and rules for buildings was issued in early 2023
- The second generation of Parts 1-2 (fire), 1-3 (cold-formed), 1-5 (plated structures), 1-8 (joints) and 1-13 (large web openings) of EN 1993 were approved by countries after Formal Vote

The BCSA is currently involved in drafting the National Annexes for parts 1-1, 1-3, and 1-8 of the second generation of Eurocode 3.

### BCSA Digital Technology Group

The Digital Technology Group met in September at Lincoln Electric's Application Resource Centre in Sheffield. Lincoln Electric gave demonstrations on:

- Linc-Cobot welding robot
- High deposition submerged arc welding
- Fume extraction solutions presentation
- Hyperfill twin MIG process

During the formal meeting, Trimble and Strumis gave Members an update on their software, and a series of thought-provoking presentations were given, focusing on the use and potential ramifications of artificial intelligence (AI) systems in the design, manufacture and construction of structures.



Thunderer Jetty, London – Hillcrest Structural Ltd



West London Film Studios, Hayes – Farrat Ltd



Aylsham Garden Centre, Norwich – A C Bacon Engineering Ltd



**Embodied carbon remains the most significant sustainability issue for the UK steelwork sector.**

# Sustainability

The most important sustainability issue for the UK steelwork sector remains embodied carbon. Although Government has, so far, been reluctant to legislate on embodied carbon, there are growing calls to do so and Government has commissioned research into how this could be done.

Industry is separately developing a Net Zero Carbon Building standard, which will supersede the voluntary embodied carbon targets which are increasingly used on projects. This standard will be based on current benchmarks and the UK's legally binding carbon budget targets. Therefore, it is likely to be challenging.

Announcements by British Steel and Tata Steel to transition to EAF steelmaking over the next few years, should help meet superstructure embodied carbon targets using the widely used RICS and IStructE whole life carbon assessment guidance.

## **Building Refurbishment**

There is a strong push for retrofitting existing buildings rather than demolition and new build, with many exemplar projects demonstrating significant carbon and resource savings. Steel is well-placed to capitalise on this growing trend through innovative refurbishment solutions, both to existing steel and concrete framed buildings.

## **CBAM**

Carbon border adjustment mechanisms (CBAMs) are likely to be important for the sector going forward. A CBAM is intended to limit the import of products from countries with less stringent climate policies in place, so-called, 'carbon leakage'.

The EU CBAM was introduced in 2023 and details of the UK CBAM should be confirmed in 2024.

Initially, EU importers of steel products will be required to report the carbon emissions associated with the steel products they import, and from 2026 pay for these carbon emissions.

## **BCSA Sustainability Focus**

BCSA sustainability activity continues in two main areas:

1. Supporting Members to adopt more sustainable practices.
2. Engagement with clients, structural engineers and others, notably Government and construction sector institutions, to communicate the sustainable credentials of steel, steel-framed buildings and the steel construction supply chain.



The BCSA decarbonisation roadmap remains the overarching framework for BCSA and its Members to decarbonise the sector. The sector is making progress across all six 'decarbonisation levers' within the roadmap including:

- Design efficiency guidance, led by SCI, will be published in 2024
- Steel for Life Sustainable procurement publication
- BCSA is co-ordinating initiatives on steel reuse, a key aspect of the circular construction economy (see below)
- Major steelmakers supplying structural steel to the UK have made important commitments to decarbonise
- A growing number of steelwork contractors are taking steps to measure and reduce their carbon footprints

### **BCSA Steel Construction Sustainability Charter (SCSC)**

Many BCSA Members have signed up to the BCSA Sustainability Charter which recognises the sustainability progress of companies across the breadth of social, environmental and economic impacts.

BCSA is working closely with many Members to help them meet the requirements of the updated 2021 Charter and to achieve a higher level.

### **Structural Steel Reuse**

Interest in reusing structural steel continues to grow and this is reflected in the membership of BCSA's Steel Reuse Working Group, which now exceeds 50 organisations across the supply chain. The Working Group continues to review the steel reuse market, to prioritise and coordinate activities required to support this growing area.

### **BCSA Sustainability Group**

The BCSA Sustainability Group remains active and well-attended (with around 40 Members) and meets virtually, three times a year. It provides a forum for Members to keep up to date on the many and various sustainability initiatives that are underway, which are of relevance to the sector. It is also a way for Members to share experience, learn from each other and provide input to BCSA's sustainability strategy going forward. Topics discussed at recent meetings included:

- Renewable energy and alternative fuels
- Social value within the sector
- Embodied carbon reporting and development of a steel fabrication environmental product declaration (EPD)
- Biodiversity in the steel and construction supply chains
- BSI and CEN committee work on the development of sustainability and circular economy standards for construction

### **BCSA Engagement with the Wider Construction Industry**

In addition to Member engagement, BCSA is actively engaged with many organisations leading on sustainable construction. During 2023, this has included:

- IStructE – The Institution of Structural Engineers
- LETI – The London Energy Transformation Initiative
- RICS – Royal Institution of Chartered Surveyors
- RIBA – Royal Institute of British Architects
- ResponsibleSteel and SteelZero

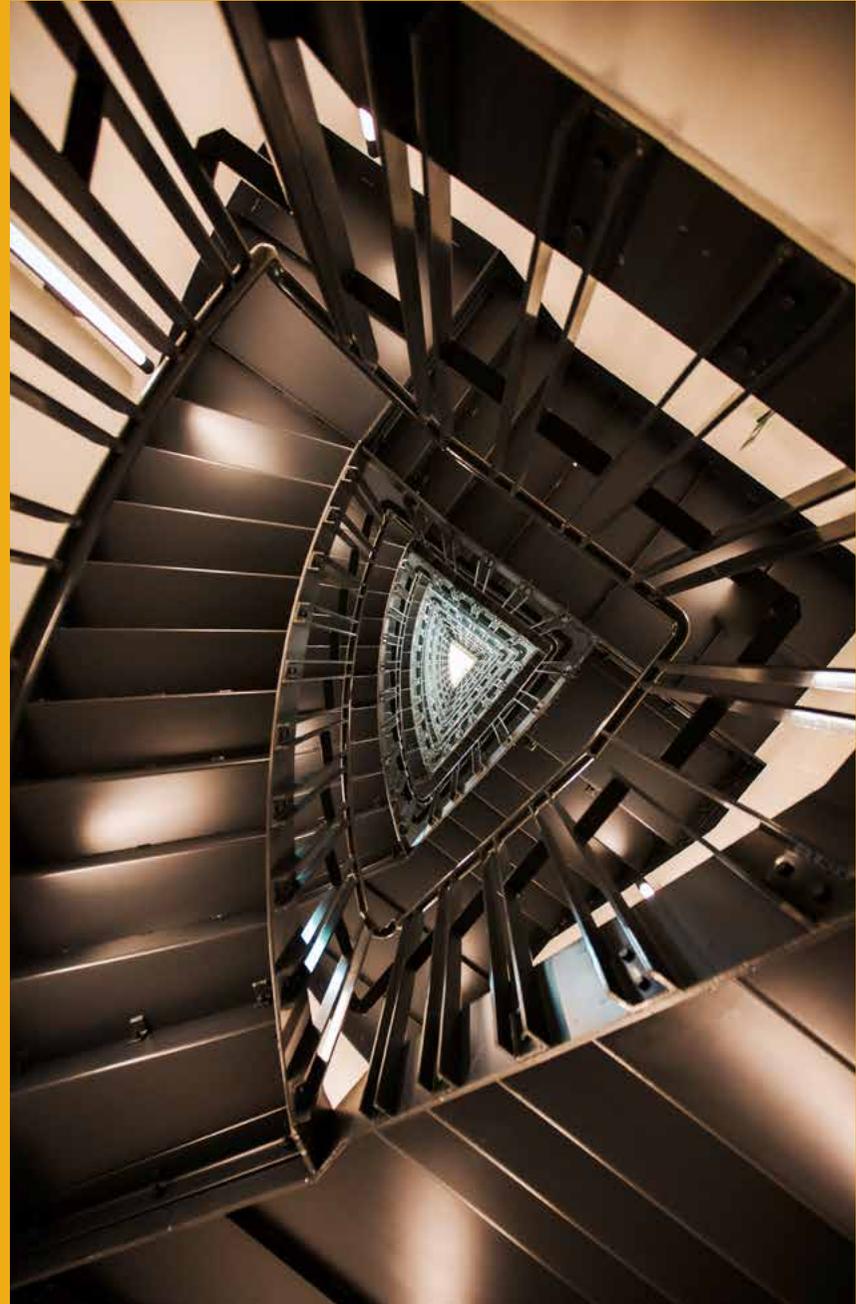
During the period of this annual review, BCSA also participated in:

- UK Metals Expo at the NEC in September – BCSA had a stand and chaired a panel session on steel reuse and design for deconstruction
- Circular Steel 2023
- Construction News podcast on decarbonising steel
- SCI webinar on embodied carbon





One City Road, Bradford – ASD Westok Ltd



3 St Helen's Place, London – HBE Services Ltd



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

# Health and Safety

The BCSA Health and Safety Committee works together to develop good practice guides and information that helps and supports the steelwork industry to continue working safely.

## Health and Injury

The Accident Frequency Rate (AFR) rate for 2023 was 0.3 for BCSA Members based on the injuries reported under the 'Reporting of Injuries, Diseases and Dangerous Occurrences Regulations' (RIDDOR). This remains the same as the 2022 record which means that the Accident Frequency Rate remains steady.

This continues to show the industry injury rate is well below the Government's target of 1.7 set in 2000.

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 trends through annual data collection and then sharing Members' knowledge to develop good practice guidance where appropriate.

## CHAS Scheme

BCSA has an established partnership with CHAS, which provides Members the opportunity to save up to 20% on accreditation with them. Members are able to save 20% off the first year's membership and then 10% off subsequent years. Access to the discount codes to redeem this offer, as well more information on CHAS accreditation, can be found on the member's area of the website.

## 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 Collective Voice (CICV) Forum
- Engineering Construction Industry Association (ECIA)
- Metals Industry Forum Education and Training Working Group (UKMC)
- Metals Industry Liaison Group (EA)
- National Highways Sector Schemes
- Mobile Elevating Work Platforms (MEWPs)
- UK Safety Forum
- Institution of Occupational Safety and Health (IOSH)
- Safety Health Engineering Partnership (SHEP)



### **Building Safety Act 2022**

The constructional steelwork industry has administered a competency scheme for National Highways called the Register of Qualified Steelwork Contractors (RQSC). This scheme is a good example of an organisational competency assessment and can be used by Members to demonstrate compliance with the Building Safety Act. BCSA has also prepared competency based checklists / assessments that Members can use to help manage staff competency and identify training gaps.

### **Retained EU Law Bill**

The RUEL intended to remove 4,000 Regulations by the end of 2023, but has only been reduced to 600, mostly Agricultural and Environmental Regulations. Industry is still no wiser as to what the Government plans are to make these changes, and BCSA maintains a watching brief for any opportunities to participate in the review and revision of any relevant regulations.

### **Zinc/Aluminium Metal spray**

Network Rail informed BCSA that the metal spray will change from Aluminium / Zinc (85/15) to Zinc / Aluminium (85/15), which increases the health and safety risk along with significant changes needed to the plant and equipment used to apply this. Following on from the issues raised by BCSA, Network Rail has now changed its policy, so this is only required in high salt areas if the designer requires this. BCSA will keep the pressure on specifiers to prevent the use of this process, as it will leave an environmental legacy issue for the next generation to address.

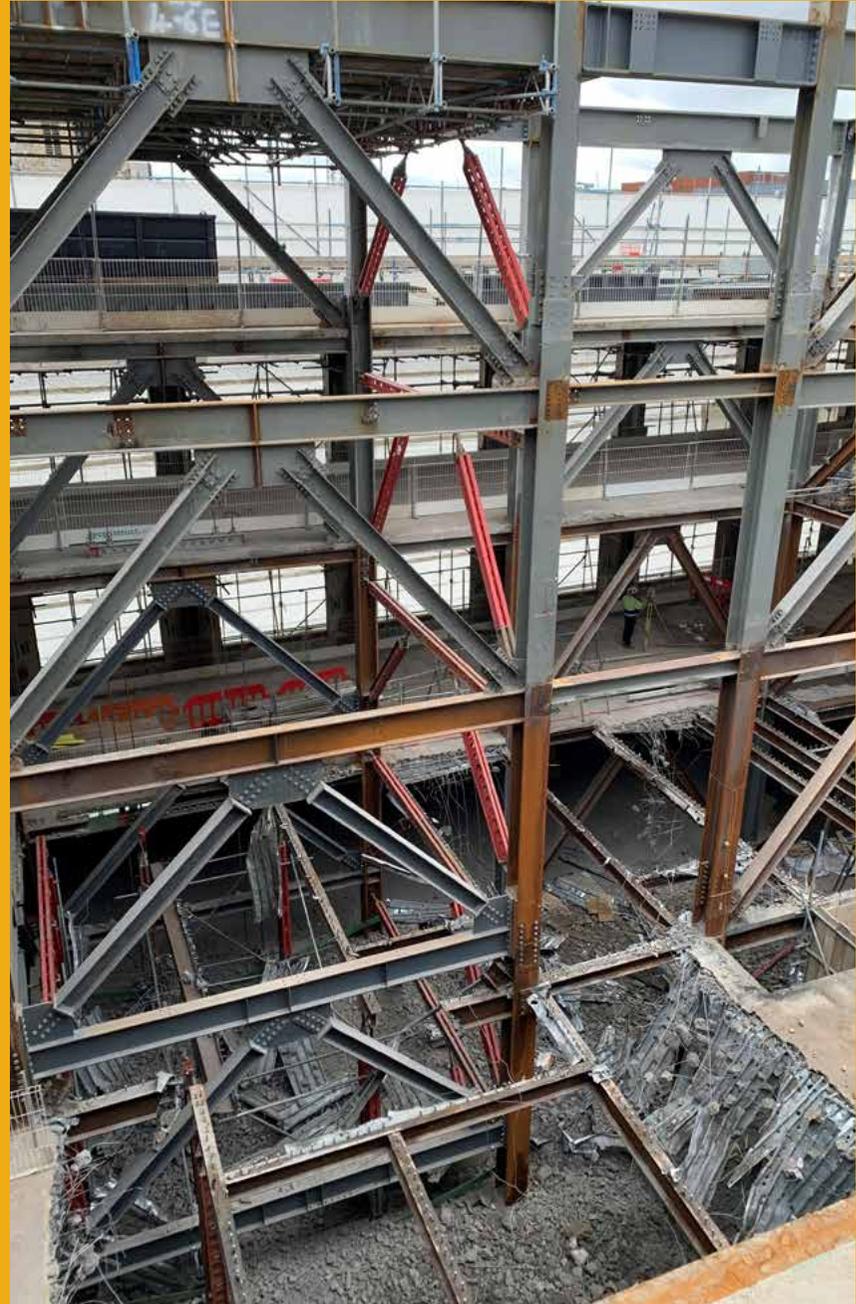
## **Future Projects**

- **Review of the UK Health and Safety Regulations and guidance**
- **Review of existing Health and Safety publications**

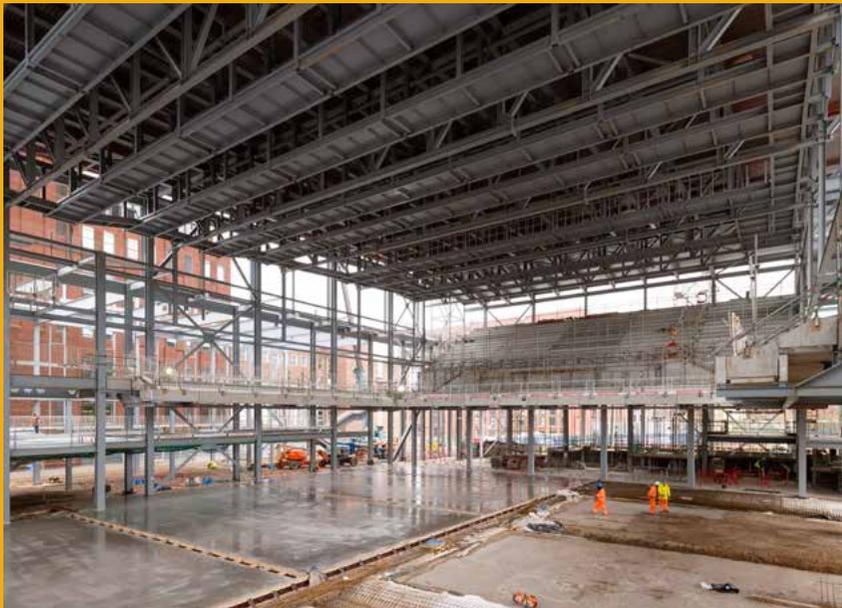




101 Moorgate, London – BHC Ltd



20 Giltspur Street, London – Deconstruct UK Ltd



Becketwell Performance Venue, Derby – Shipley Structures Ltd



Supporting a skilled and qualified workforce.

# Training

## Apprenticeships

The number of apprenticeship training enrolments continue at a low level due to the bureaucracy of the apprenticeship schemes in England. To try and increase the take up of the apprenticeships in England, BCSA has continued to raise the profile of the Level 2 Apprenticeships which are needed for the industry.

BCSA is working on the T Level Action Group to try and promote the qualification by making it known to a wider audience and provide specific information for employers to encourage them to use the T level programmes.

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

## Training Courses

The BCSA continued running the following training courses:

- **CRAFT Apprenticeship Scheme**

The CRAFT scheme is used by Members to carry out internal apprenticeship training. The scheme is written by the industry, for the industry and fills the gap left by the Government apprenticeship schemes which are engineering based and not widely available in the regions where BCSA Members are located.

- **CRAFT Metal Decking**

The CRAFT scheme for Metal Decking and Studwelding also has the experienced worker assessment route available, which was mapped by CITB, and is therefore acceptable to gain the CSCS Blue Card.

- **Bolting Competency**

The National Highways Sector Scheme 20 requires steelwork contractors to be on the Register of Qualified Steelwork Contractors (RQSC), which is a third-party assessment scheme to give confidence to the clients and industry that they are competent contractors. A recognised Bolting Competency Training course and assessment is required for this and there continues to be a steady stream of candidates undertaking the training to become Level 3 Bolting Coordinators or the Level 2 Bolting Inspectors and train their Level 1 Bolting Operatives.



- **Temporary Works Coordinator**

The BCSA launched a training course for 'Management of Temporary Works Coordination in Steelwork (MTWC)', which is specific to the constructional steelwork industry and gives details of the standards and the practical implementation of policies and procedures the industry needs to manage.

This course was developed and assumes that steelwork contractors will be 'managing sub-contractors' (i.e. have their own TWC).

The course is steelwork specific, but generic enough, to ensure each company can have its own procedures meeting the recommendations set out in BS 5975:2019 and the following are only dealt with in general terms:

- Implementation risk class
- Design check category

This includes a template procedure which is aimed at those who might not have one.

The template forms include:

- Temporary works register
- Design brief
- Design check certificate

### **Responsible Painting Coordinator**

The Responsible Painting Coordinator (RPC), oversees all aspects of the application of both protective coatings and intumescent systems, including the (i) specification, (ii) preparation of the steel, (iii) application of the paint, (iv) inspection and the use of instruments, and (v) health and safety requirements.

The RPC is also responsible for ensuring the qualifications and training of those preparing the steel, the paint applicators and the inspectors meet the required standards.

This course has been rewritten and will be launched later in the year as the '**Responsible Coatings Professionals**' course. The section on intumescent has been made more comprehensive, as well as information included on salts, the painting of galvanising and holiday testing. Those attending the course will also have a practical session where they get to blast and paint a steel panel to a specification they have written, and then test it to see if it conforms.

### **Responsible Welding Coordinator**

The Responsible Welding Coordinator (RWC) is for companies wishing to train their own RWC up to and including comprehensive level to BS EN ISO 3834 for UKCA marking. This course is organised as and when there is demand.

### **BCSA Young Members Group**



Young  
Members  
Group

BCSA has established a new Working Group for younger Members, which met for the first time in January 2024. In addition to personal development of group members, the purpose of the Group is to hear their views on what the sector, and BCSA needs to do to attract, nurture and retain talent within the industry, and to help shape the future of the Association.

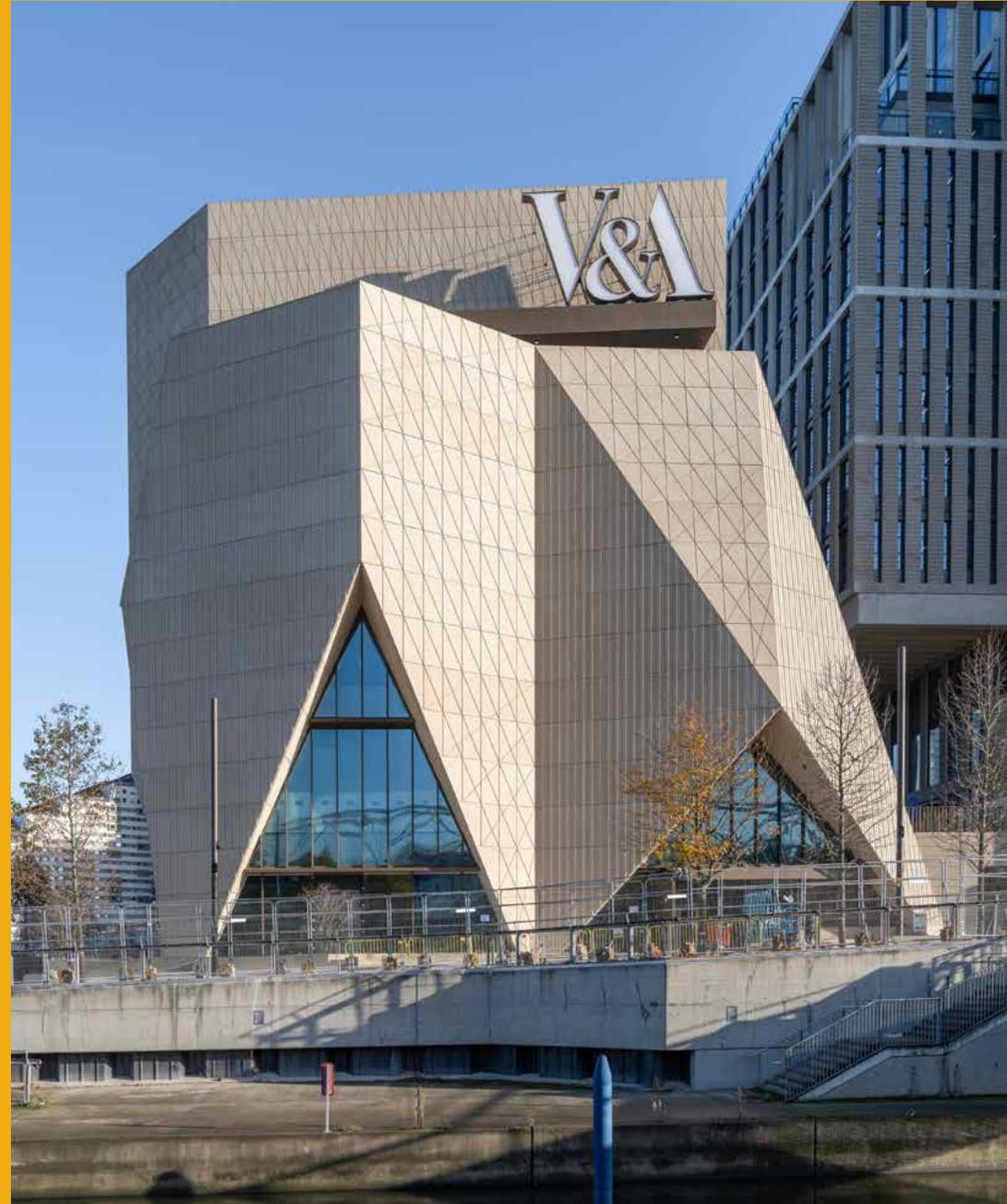




Project Kansas, North West England – Keltbray Holdings Ltd



20 Carlton House Terrace, London – ASME Engineering Ltd



V&A East, London – Bourne Group Ltd



Positioning structural steelwork, by promoting its benefits, as the material of choice for buildings in the UK and Ireland.

# Steel for Life

## What is Steel for Life?

Steel for Life is the marketing vehicle, to raise the profile of, and promote steel as the construction material of choice with specifiers and clients.

Steel has many benefits and features, which enables it to be used on a diverse range of construction projects. By providing leading educational information, specification tools and data, the aim is to not only raise the market share of steel compared to other materials, but also facilitate strong specifications and designs.

Steel for Life is governed by an independent Advisory Board, comprising of BCSA Members and headline sponsors.

We are extremely grateful to our sponsors, who underpin this activity.

## Structural Steel Design Awards 2023

The 55th Design Awards were announced to an enthusiastic audience at Christ Church in Spitalfields. Sponsored by BCSA and Steel for Life, the event generated a great deal of publicity prior and post event across various industry publications and social media.

The Judges were once again impressed by the remarkably high standard of entries and thought all the shortlisted projects showed merit. Chairman of the Judges, Professor Roger Plank said "Again, this year there was a wide variety of entries ranging from

*the largest prestige city office buildings to elegant footbridges and public sculptures, which reflect the impressive quality of the current steel construction industry."*

The SSDAs acknowledge, celebrate and showcase some of the inspirational constructional steelwork projects across the UK and the Republic of Ireland. All those submitted for consideration continued to show increasingly high industry standards, which are contributing to the high market share of steel-framed construction.

## Social Media



Engaging with specifiers remains paramount to promote [www.steelconstruction.info](http://www.steelconstruction.info) and key issues/updates in the industry, using our social media channels – LinkedIn, X, Facebook and YouTube.

## 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 e-news service.

Distribution levels remain high with email alerts for each issue sent to 7,500 subscribers and printed copies sent to 4,800 named individuals. The magazine is also available digitally on [www.newsteelconstruction.com](http://www.newsteelconstruction.com).



SSDA Awards Ceremony 2023 held at Christ Church Spitalfields, London

In January 2024 the NSC Technical Digest was published in PDF format, which brings together all of the Advisory Desk Notes and Technical Articles from the steel construction sector published in the NSC magazine throughout the year. It was widely promoted via NSC, BCSA, New Civil Engineer 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.

- Construction Management – a 13-page special feature showcasing the SSDA 2023 projects
- 55th SSDA commemorative brochure – showcased all the projects that received Awards, Commendations and Merits

### Steel Essentials Seminar

The annual 'Steel Essentials – Practical Design of Structural Steelwork' CPD course, run in association with the Institution of Structural Engineers, was held online on the 2nd October 2023.

### Steelconstruction.info

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

## Future Projects

- The 56th Structural Steel Design Awards will be held in central London on September 26 2024, which is jointly sponsored by BCSA and Steel for Life
- Collaboration with AECOM continues to provide construction professionals with regular updates on costing information for structural steelwork

### Steel for Life sponsors

#### HEADLINE SPONSORS



#### GOLD SPONSORS



#### SILVER SPONSORS

Barnshaw Section Benders Limited

Ficep UK Ltd

Hempel

IDEA StatiCa UK Ltd

Joseph Ash Galvanizing

Voortman UK Ltd





Metropolitan Station Lublin, Poland – Barnshaw Section Benders Ltd



Ficpe Valiant system – Ficpe (UK) Ltd



Installation of split MSI line with Voortman V807 robotic coping machine – Voortman (UK) Ltd



The Range, Stowmarket – voestalpine Metsec plc



BCSA has been representing the UK constructional steelwork sector for over a century. BCSA operates on a local, national and international level, raising the profile of the sector and members of the Association.

# BCSA Membership

Acting as the sector's representative body, BCSA 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 Membership Benefits

- Awareness generated from the marketing activity to drive constructional steel as the material of choice in the UK and Ireland
- The promotion of BCSA Members to specifiers, main contractors and clients
- Provision of expert specialist professional advice and support
- Representation of Members' interests and the lobbying of Government and industry on key sector issues
- Networking at regular meetings and groups to discuss and tackle matters of common interest
- Seminars, webinars and courses tailored to Members' needs
- Dissemination of information to keep Members up to date with technical advances and best practice

BCSA Members have access to a wide range of services and benefits, both professional and economic, which are focused on helping the company. This includes a professional Head Office advisory service offering expert advice across a number of business units. A comprehensive briefing and information package is issued to Members electronically, on an almost daily basis, to keep them fully informed on current matters.

## Membership Categories

There are three categories of membership:

### 1. Steelwork contractors for Buildings and/or Bridgeworks – RQSC assessed

These are companies who fabricate structural steelwork in the UK and Ireland for buildings, bridges infrastructure and other steel structures. Companies can apply to be on the RQSC Register, without taking BCSA membership.



A comprehensive list of the BCSA steelwork contractor members for Buildings and Bridgeworks can be found here: <https://bcsa.org.uk/member-directories/>, as well as listings at the back of the annual review.

## 2. Industry Membership

Industry Members are those principal companies involved in the constructional steelwork supply chain, who provide components, materials, services or products.

Sub-categories of industry membership are as follows:

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



### Selecting an Industry Member

Details of the companies in each sub-category can be found at: <https://bcsa.org.uk/member-directories/industry-members/>

## 3. Corporate Membership

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.



### Selecting a Corporate Member

Details of Corporate Members can be found at <https://bcsa.org.uk/member-directories/corporate-members/>



One Park Lane, Liverpool – EvadX Ltd



**Demonstrating competence and capability, meeting the requirements of the Building Safety Act 2022, resulting in improved service and client confidence.**

# RQSC

## Register of Qualified Steelwork Contractors

A steelwork contractor holding RQSC can be seen as a safe pair of hands. It is a badge or seal of approval to prove their competence, giving clients an assured way of choosing a steelwork contractor that has the capabilities and experience to work under the new building safety regime, which has come about due to the Building Safety Act 2022.

RQSC is open to all steelwork contractors, for both buildings and bridgeworks, and companies do not have to be a BCSA member to apply. The only stipulations are, to apply for RQSC Buildings the company must have a fabrication facility in the UK or Ireland and to apply for RQSC Bridgeworks the company must have a fabrication facility in the UK or European Union. To gain this seal of approval, companies must undergo an annual assessment which is verified by 3rd party industry professionals. It is a 3-year cycle, with year 1 having a site based assessment and the following 2 years having a desk based. All the assessors are 3rd party individuals who have extensive experience of constructional steelwork fabrication for both buildings and bridgeworks.

### **Part 1 of the assessment – RQSC Generic Questions for both Buildings and Bridgeworks**

The questions are based on Build UK's Common Assessment Standard, and split into nine sections, with minimal changes to incorporate specific competencies related to constructional steel fabrication.

The sections are:

Section 1 – Company Details (if the company applying does not hold a valid FPC certificate in relation to Construction Products Regulations for UKCE/CE marking, they cannot join until they have one in place). If a company holds the Common Assessment Standard and provides a copy of the certificate, then they do not have to complete a number of the sections (6,7,8 & 9)

Section 2 – Financial Details

Section 3 – Facilities

Section 4 – Personnel and Skills, Knowledge and Experience

Section 5 – Sustainability and Environmental Management

Section 6 – Corporate Policies

Section 7 – Quality Management Systems

Section 8 – Health and Safety

Section 9 – Building Information Modelling

### **Part 2 (a) – RQSC for Buildings**

This section asks for companies to indicate which subcategories of building fabrication they can undertake, along with 3 references including contact details, the type of building and fabrication required and contract value. All of which are checked and verified as part of the assessment process.



## Part 2 (b) – RQSC for Bridgeworks

This section asks for companies to indicate which sub categories of bridgework fabrication they can undertake, along with 3 references including contact details, the type of bridgework and fabrication required and contract value, of which two must exceed £100,000 and 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 have required thick plate welding such as the butt welding of S355J2 plate in a thickness of at least 40mm. All of which are checked and verified as part of the assessment process.

### RQSC Categories and Values

The categories give guidance on the 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 buildings categories for different types of steelwork.

### RQSC Buildings Categories

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

### RQSC Bridgeworks Categories

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

Companies are also classified by suggesting a maximum contract value that they can handle. The 'class' gives guidance on the size of steelwork contract, which the company has the financial and management resources to undertake.

### Selecting an RQSC Steelwork Contractor Member

To select an RQSC steelwork contractor, there is no easier way of prequalifying companies than using the BCSA RQSC Directories for Buildings and Bridgeworks.

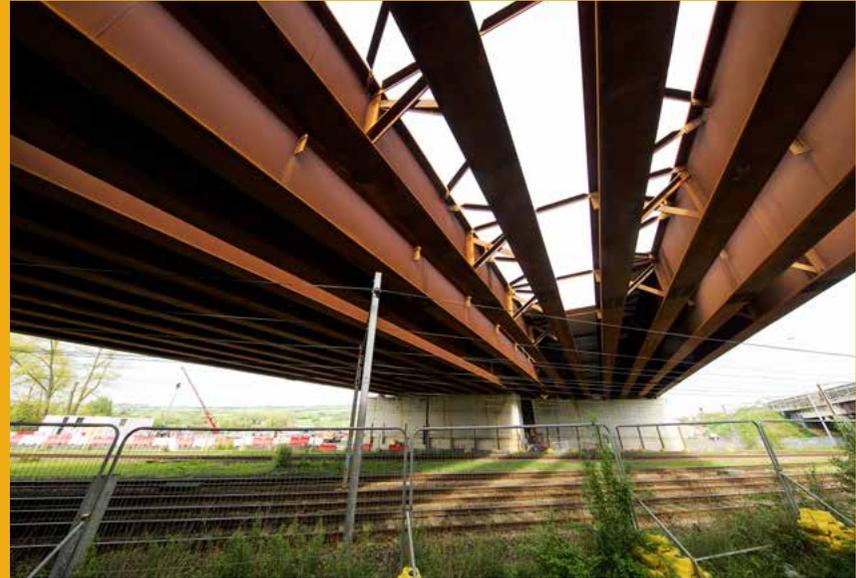
The directories should be used to select an RQSC steelwork contractor who has the special skills to suit your project.

There are close to 80 steelwork contractor companies with RQSC for Buildings and/or Bridgeworks, providing users with plenty of choice to ensure a competitive tender list.

Details can be found here: <https://bcsa.org.uk/member-directories/>, as well as listings at the back of the annual review.



Recycling reactor 128 ton module, Teesside – Cairnhill Structures Ltd



Allerdene Bridge, Gateshead – Severfield plc



Kirkstall Road, Leeds – Beaver Bridges Limited



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

## **Future Projects**

**A number of business opportunities are currently being reviewed by the SCCS Senior Management Team. The main priority is for SCCS to achieve accreditation for BIM certification against BS EN ISO 19650-2:2018 + Revised National Annex.**

# **SCCS**

## **Steel Construction Certification Scheme**

### **Certification Services – 2023**

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 2022 were successfully completed throughout the year, either as a physical or remote audit. The voluntary certification audits for site installation compliance to BS EN 1090-2:2008+A1:2011 also continued.

Collaborative work with Highways England on the issues related to NHSS 3, NHSS 3B, NHSS 19A and NHSS 20 standards continued, with SCCS maintaining recognition as the lead Certification Body for these four Sector Schemes.

During 2023 SCCS actively attended the UK meetings of the UK Group of Approved Bodies; the NHSS Sector Scheme 3, 3B, 19A and 20, the NHSS Liaison Group and the NHSS Certification Body Group.

### **UKAS Accreditation**

SCCS maintained its accreditation for the Scheme's BS EN ISO 9001:2015, BS EN ISO 14001:2015, BS EN ISO 3834:2021, BS EN ISO 45001:2018, SSIP, NHSS 3, NHSS 3B, NHSS 19A and NHSS 20 certification systems to BS EN ISO/IEC 17021 and BS EN 1090 to BS EN ISO/IEC 17065.

### **Non UKAS Accreditation**

During 2023 the Scheme retained their accreditation as a Build UK's recognised Assessment Body for the Common Assessment Standard (CAS).

### **Steel Construction Certification Scheme Business Performance**

SCCS increased its number of certified clients during 2023 to a total of 742 clients (86 BCSA), holding a combined total of 1312 certificates (275 BCSA).





Events are a key element of the BCSA offering, as they provide occasions for celebrating the achievements of our Members in constructional steelwork, time for networking and opportunities to lobby MPs to influence change related to issues in our industry.

# BCSA's Events

## Lobbying and Showcasing our Members

Throughout the period of this annual review, a number of MPs were invited to visit Members located in their constituency. It provides a platform to continue to educate them about who we are and what we do – we are not steel makers, and instead showcase the contributions Members are making to their local economies. MPs are generally surprised to see the levels and types of work that are undertaken in their area, as well as the diverse skills required throughout the company.

### MP Visits in 2023/2024 Include:

- Amanda Solloway MP – STRUMIS Ltd (1 August 23)
- George Freeman MP – H Young Structures and Hi-Span Ltd (20 October 23)
- Ed Miliband MP – Cementation Skanska (27 October 23)
- Keir Mather MP – SH Structures (18 January 24)
- Jesse Norman MP – Painter Brothers (23 February 24)
- Judith Cummins MP – Barrett Steel (10 May 24)

## BCSA Manifesto for the Constructional Steelwork Industry

In conjunction with its Members, BCSA composed a Manifesto comprising of 5 main asks of Government, which we believe can be addressed through changes in legislation or their influence on external institutions. This was presented and launched at the House of Lords on 16 January 2024, which received

very good feedback from MPs and Peers who attended. Next steps are being planned to ensure we maintain momentum, to encourage the Government to bring about change, showing commitment and support for a key industry in the UK and Ireland.

## Time for Reflecting and Celebrating

There are three large key events in the BCSA calendar, which are held annually.

- **Annual General Meeting and National Meeting**  
Held on the same day as the National Dinner, the AGM and National Meeting are part of the BCSA constitution and various formalities are carried out. Members are invited to attend to have their say, give their votes and receive an annual update on all activity, changes in legislation and the state of the market.

In addition, a guest speaker is invited to impart knowledge and information, which can help shape business plans and strategies.

- **National Dinner**  
The National Dinner 2023, was in a slightly unconventional venue compared to normal; a marquee struck up in the beautiful grounds of Gray's Inn, one of London's oldest Inns of Court. 300 people gathered to enjoy the 3 course meal, entertainment and each other's company. The temperamental British weather was also on our side, so attendees could network and continue festivities outside taking in the balmy evening.

An incredible £3,000 was raised for Cancer Research UK in memory of James Barrett, who was an avid BCSA supporter and a great advocate for the constructional steelwork industry.

- **Structural Steel Design Awards**

As already touched on earlier in the Annual Review, the SSDAs are another highlight in the calendar, where we celebrate some of the outstanding structural steelwork projects in the UK and Ireland. It is an exclusive event, by invitation only, which sees circa 280 people representing the teams involved in the projects which are up for an award.

By becoming a BCSA member, you will have the chance to get involved with all of these opportunities and more, where we share best practice, discuss the state of trade and look at specialisms in the industry to develop best practice and specifications. These include;

- Quarterly regional meetings
- Various working groups
- Committee meetings
- Council meetings



Jesse Norman MP visit to Painter Brothers Ltd

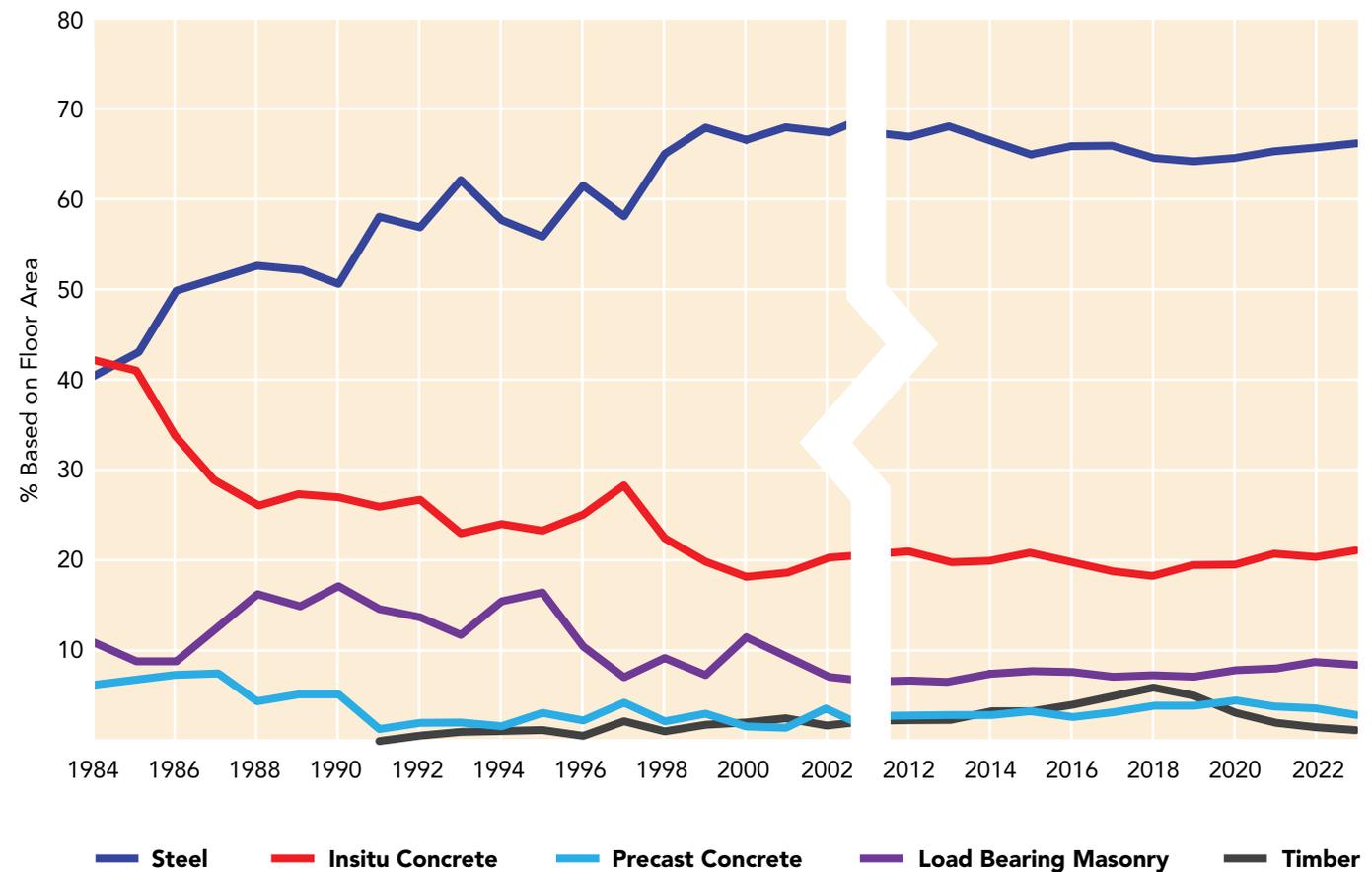


BCSA National Dinner 2023



# Market share of Constructional Steelwork

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





## UK Consumption of Construction Steelwork

# Consumption of Constructional Steelwork

SECTOR	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	FORECAST		
											2024	2025	2026
Industrial	378	407	431	416	431	424	330	384	461	450	422	429	435
Offices	87	106	124	123	104	100	83	91	98	107	92	90	92
Retail	21	21	18	17	16	11	6	5	5	5	4	4	4
Leisure	37	34	28	37	36	29	25	23	23	22	21	22	22
Health	30	27	25	22	15	17	12	16	20	22	21	20	20
Education	95	98	85	79	75	71	48	47	47	42	42	41	42
Power	51	57	67	74	85	89	79	103	106	109	112	115	118
Bridges	24	29	22	17	21	17	23	31	31	33	30	31	32
Other Infrastructure	29	30	34	35	40	46	41	59	62	64	67	69	71
Domestic	6	9	13	12	11	12	8	6	5	3	3	3	3
Agriculture	16	18	16	16	17	15	9	9	8	8	8	9	9
Other	9	7	9	10	10	10	8	8	9	8	8	8	8
Fabricated Imports	19	20	21	19	18	18	14	18	20	19	18	17	17
Total UK Consumption	802	864	892	876	879	858	686	801	894	893	849	858	873
Yr-on-yr % Change	+ 3.8%	+ 7.6%	+ 3.3%	- 1.8%	+ 0.3%	- 2.4%	- 20.0%	+ 16.7%	+ 11.7%	- 0.1%	- 4.9%	+ 1.1%	+ 1.7%

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



These are the companies who are Members of the BCSA and hold the RQSC for Buildings quality badge. They undertake the design, fabrication and erection of steelwork for all forms of building construction.

# BCSA RQSC

## Steelwork Contractor Members For Buildings

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A C Bacon Engineering Ltd  
[www.acbacon.co.uk](http://www.acbacon.co.uk)

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Adey Steel Ltd  
[www.adeysteel.co.uk](http://www.adeysteel.co.uk)

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Adstone Construction Ltd  
[www.adstone-construction.co.uk](http://www.adstone-construction.co.uk)

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AJ Engineering & Construction Services Ltd  
[www.ajengineering.co.uk](http://www.ajengineering.co.uk)

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Angle Ring Company Ltd  
[www.anglingring.com](http://www.anglingring.com)

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Arminhall Engineering Ltd  
[www.arminhall.co.uk](http://www.arminhall.co.uk)

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Arramax Structures Ltd  
[www.arromax.co.uk](http://www.arromax.co.uk)

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ASD Westok Ltd  
[www.asd.ltd/westok](http://www.asd.ltd/westok)

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ASME Engineering Ltd  
[www.asmeengineering.co.uk](http://www.asmeengineering.co.uk)

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Atlasco Constructional Engineers Ltd  
[www.atlasco.co.uk](http://www.atlasco.co.uk)

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B D Structures Ltd  
[www.bdstructures.co.uk](http://www.bdstructures.co.uk)

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Ballykine Structural Engineers Ltd  
[www.ballykine.co.uk](http://www.ballykine.co.uk)

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Barnshaw Section Benders Ltd  
[www.barnshaws.com](http://www.barnshaws.com)

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BHC Ltd  
[www.bhc.ltd.uk](http://www.bhc.ltd.uk)

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Billington Structures Ltd  
[www.billington-structures.co.uk](http://www.billington-structures.co.uk)

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Bourne Group Ltd  
[www.bournegroup.ltd](http://www.bournegroup.ltd)

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Briton Fabricators Ltd  
[www.britonsltd.co.uk](http://www.britonsltd.co.uk)

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Cairnhill Structures Ltd  
[www.cairnhillstructures.co.uk](http://www.cairnhillstructures.co.uk)

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Caunton Engineering Ltd  
[www.caunton.co.uk](http://www.caunton.co.uk)

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Cementation Skanska Fabrications Ltd  
[www.skanska.co.uk](http://www.skanska.co.uk)

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CMF Ltd  
[www.cmf.co.uk](http://www.cmf.co.uk)

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Coventry Construction Ltd  
[www.covcon.co.uk](http://www.covcon.co.uk)

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D H Structures Ltd  
01785 246269

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D Hughes Welding & Fabrication Ltd  
[www.dhwelding.com](http://www.dhwelding.com)

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Duggan Steel  
[www.duggansteel.ie](http://www.duggansteel.ie)

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ECS Engineering Services Ltd  
[www.ecsengineeringervices.com](http://www.ecsengineeringervices.com)

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Elland Steel Structures Ltd  
[www.ellandsteel.com](http://www.ellandsteel.com)

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EvadX Ltd  
[www.evadx.com](http://www.evadx.com)

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Four Bay Structures Ltd  
[www.4bay.co.uk](http://www.4bay.co.uk)

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Four-Tees Engineers Ltd  
[www.fourtees.co.uk](http://www.fourtees.co.uk)

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Gorge Fabrications Ltd  
[www.gorgefabs.co.uk](http://www.gorgefabs.co.uk)

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G.R. Carr Essex Ltd  
[www.grcarr.com](http://www.grcarr.com)

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H Young Structures Ltd  
[www.hyoungstructures.co.uk](http://www.hyoungstructures.co.uk)

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Had Fab Ltd  
[www.hadfab.co.uk](http://www.hadfab.co.uk)

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HBE Services Ltd  
[www.hbeservices.co.uk](http://www.hbeservices.co.uk)

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Hescott Engineering Company Ltd  
[www.hescott.co.uk](http://www.hescott.co.uk)

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Hillcrest Structural Ltd  
[www.hillcreststructural.co.uk](http://www.hillcreststructural.co.uk)

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Integrated Water Services Ltd  
[www.integrated-water.co.uk/mechanical-and-electrical](http://www.integrated-water.co.uk/mechanical-and-electrical)

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Intersteels Ltd  
[www.intersteels.com](http://www.intersteels.com)

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Jamestown Manufacturing Ltd  
www.jamestownprofiling.com

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Kiernan Structural Steel Ltd  
www.kssl.ie

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Leach Structural Steelwork Ltd  
www.leachsteel.com

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Legge Steel (Fabrications) Ltd  
www.leggesteel.co.uk

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Littleton Steel Ltd  
www.littletonsteel.com

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Loaninghill Fabrications Ltd  
www.loaninghillfabrication.co.uk

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M Hasson & Sons Ltd  
www.hassons.com

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M&S Engineering Ltd  
www.mandsengineering.co.uk

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Mackay Steelwork & Cladding Ltd  
www.mackaysteelworkcladding.co.uk

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Maldon Marine Ltd  
www.maldon-marine.co.uk

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Midland Structures Limited  
www.midlandstructures.com

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Murphy International Ltd  
www.murphygroup.com/ie

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Nationwide Structures Ltd  
www.nwsltd.com

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Newbridge Engineering Ltd  
www.neluk.com

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North Lincs Structures  
www.northlincsstructures.uk

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Painter Brothers Ltd  
www.painterbrothers.com

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Peter Marshall Steel Stairs Ltd  
www.marshallstairs.com

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PMS Fabrications Ltd  
www.pmsfabrications.co.uk

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REIDsteel  
www.reidsteel.com

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SAH Luton Ltd  
www.sahluton.co.uk

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SDM Fabrication Ltd  
www.sdmstructures.com

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Severfield plc  
www.severfield.com

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Shaun Hodgson Engineering Ltd  
www.sheltd.co.uk

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ShipleY Structures Ltd  
www.shipleYuk.com

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Snashall Steel Fabrications Co Ltd  
www.snashallsteel.co.uk

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Southern Fabrications (Sussex) Ltd  
www.southernfabricationssussex.co.uk

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Stage One  
www.stageone.co.uk

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Steel & Roofing Systems  
www.steelandroofingsystems.ie

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Taziker Industrial Ltd  
www.taziker.com

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Temple Mill Fabrications Ltd  
www.templemill.co.uk

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TSI Structures Ltd  
www.tsisttructures.com

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Walter Watson Ltd  
www.walter-watson.co.uk

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Westbury Park Engineering Ltd  
www.westburyparkengineering.co.uk

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WIG Engineering Ltd  
www.wigsteel.co.uk

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William Haley Engineering Ltd  
www.haleyengineering.co.uk

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William Hare Ltd  
www.hare.com

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Scan for BCSA RQSC  
Steelwork Contractor  
Members for Buildings listing





These are the companies who are Members of the BCSA and hold the RQSC for Bridgeworks quality badge. They undertake the design, fabrication and erection of bridges and other civil engineering infrastructure projects.

# BCSA RQSC

## Steelwork Contractors for Bridgeworks

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Adey Steel Ltd  
[www.adeysteel.co.uk](http://www.adeysteel.co.uk)

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AJ Engineering & Construction Services Ltd  
[www.ajengineering.co.uk](http://www.ajengineering.co.uk)

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ASD Westok Ltd  
[www.asd.ltd/westok](http://www.asd.ltd/westok)

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Beaver Bridges Limited  
[www.beaverbridges.co.uk](http://www.beaverbridges.co.uk)

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BHC Ltd  
[www.bhc.ltd.uk](http://www.bhc.ltd.uk)

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Billington Structures Ltd  
[www.billington-structures.co.uk](http://www.billington-structures.co.uk)

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Bourne Group Ltd  
[www.bournegroup.ltd](http://www.bournegroup.ltd)

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Briton Fabricators Ltd  
[www.britonsltd.co.uk](http://www.britonsltd.co.uk)

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Cairnhill Structures Ltd  
[www.cairnhillstructures.co.uk](http://www.cairnhillstructures.co.uk)

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Cementation Skanska Fabrications Ltd  
[www.skanska.co.uk](http://www.skanska.co.uk)

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D Hghes Welding & Fabrication Ltd  
[www.dhwelding.com](http://www.dhwelding.com)

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ECS Engineering Services Ltd  
[www.ecsengineeringservices.com](http://www.ecsengineeringservices.com)

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Four-Tees Engineers Ltd  
[www.fourtees.co.uk](http://www.fourtees.co.uk)

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

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Kiernan Structural Steel Ltd  
[www.kssl.ie](http://www.kssl.ie)

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M Hasson & Sons Ltd  
[www.hassons.com](http://www.hassons.com)

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M&S Engineering Ltd  
[www.mandsengineering.co.uk](http://www.mandsengineering.co.uk)

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Millar Callaghan Engineering Services Ltd  
[www.millarcallaghan.co.uk](http://www.millarcallaghan.co.uk)

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Murphy International Ltd  
[www.murphygroup.com/ie](http://www.murphygroup.com/ie)

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Nusteel Structures Ltd  
[www.nusteelstructures.com](http://www.nusteelstructures.com)

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REIDsteel  
[www.reidsteel.com](http://www.reidsteel.com)

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Severfield plc  
[www.severfield.com](http://www.severfield.com)

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Taziker Industrial Ltd  
[www.taziker.com](http://www.taziker.com)

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William Hare Ltd  
[www.hare.com](http://www.hare.com)



Scan for BCSA RQSC Steelwork Contractors for Bridgeworks listing



Corporate Members are made up of clients, professional offices and educational establishments, which support the development of national steelwork specifications and improving the quality, safety and efficiency of the industry.

# BCSA

## Corporate Members

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Bonham and Brook North Ltd  
[www.bonhamandbrook.co.uk](http://www.bonhamandbrook.co.uk)

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Gene Mathers  
0115 974 7831

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Griffiths & Armour  
[www.griffithsandarmour.com](http://www.griffithsandarmour.com)

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Keith's Welding Limited  
07791 432078

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Magna Inspections Ltd  
[www.magnainspections.com/](http://www.magnainspections.com/)

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MMCEngineer Ltd  
[www.mmceengineer.com](http://www.mmceengineer.com)

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National Highways  
[www.nationalhighways.co.uk](http://www.nationalhighways.co.uk)

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Paul Hulme Engineering  
07801 216858

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Sandberg LLP  
[www.sandberg.co.uk](http://www.sandberg.co.uk)

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Solent Commercial Management Limited  
[www.scmltd.co.uk](http://www.scmltd.co.uk)

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Structural and Weld Testing Services Ltd  
[www.swtndt.co.uk](http://www.swtndt.co.uk)

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Sum ADR Limited  
[www.sum-adr.co.uk](http://www.sum-adr.co.uk)

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Thames Welding Ltd  
[www.thameswelding.com](http://www.thameswelding.com)



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Corporate Members listing





Industry Members are involved in the direct supply of components, material and products to some or all of our Steelwork Contractor Members.

# BCSA

## Industry Members

### STRUCTURAL COMPONENTS

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

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

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

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

Kingspan Ltd  
[www.kingspan.com](http://www.kingspan.com)

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

Prodeck-Fixing Ltd  
[www.prodeckfixing.co.uk](http://www.prodeckfixing.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.tatasteeleurope.com/construction](http://www.tatasteeleurope.com/construction)

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

### COMPUTER SOFTWARE

Autodesk Ltd  
[www.autodesk.co.uk](http://www.autodesk.co.uk)

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

IDEA StatiCa UK Ltd  
[www.ideastatica.uk](http://www.ideastatica.uk)

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

Trimble UK Limited  
[www.trimble.com](http://www.trimble.com)

### STEEL PRODUCERS

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)

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.com](http://www.peddinghaus.com)

Voortman UK Ltd  
[www.voortman.net](http://www.voortman.net)

### MEMBERSHIP SERVICES

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

Keltbray Holdings Ltd  
[www.keltbray.com](http://www.keltbray.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.ppgac.co.uk](http://www.ppgac.co.uk)

Sherwin-Williams Protective & Marine Coatings  
[www.industrial.sherwin-williams.com/emeai/gb/en/protective-marine.html](http://www.industrial.sherwin-williams.com/emeai/gb/en/protective-marine.html)

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)

**SAFETY SYSTEMS**

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

TRAD Hire & Sales Ltd  
[www.traduk.co.uk](http://www.traduk.co.uk)

**STEEL STOCKHOLDERS**

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

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

ASD LTD – Stourton  
[www.asd.ltd](http://www.asd.ltd)

Barrett Steel Services 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 UK Limited  
[www.dillinger.de](http://www.dillinger.de)

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

European Metal Recycling Ltd  
[www.emrgroup.com](http://www.emrgroup.com)

Murray Steel Products  
[www.murraysteelproducts.com](http://www.murraysteelproducts.com)

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

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

The Alternative Steel Co Ltd  
[www.alternativesteelco.co.uk](http://www.alternativesteelco.co.uk)

**STRUCTURAL FASTENERS**

Advanced Bolting Solutions Limited  
[www.molabolt.co.uk](http://www.molabolt.co.uk)

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

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

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

**WELDING EQUIPMENT AND CONSUMABLES**

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



Scan for Industry Members listing





BCSA has working groups across a number of different areas, along with the Chairman of each one and the size of the meeting. All members are welcome to join one or as many of the working groups as they wish.

# BCSA Working Groups



**Welding and Fabrication**  
Acting Chairman: Dr David Moore  
Meets four times a year



**Steel Stockholders Group**  
Chairman: Dr David Moore  
Meets once a year



**Connections Group (CB/203-4)**  
Chairman: Alan Rathbone  
Meets twice a year



**Digital Technology Group**  
Chairman: Kevin Campbell  
Meets once a year



**Fasteners Group**  
Chairman: Dave Briggs  
Meets twice a year



**Cold-formed Sections**  
Chairman: Mark Davies  
Meets twice a year



**Sustainability Group**  
Chairman: Roy Fishwick  
Meets four times a year



**Metal Decking Group**  
Acting Chairman: Pete Walker  
Meets twice a year



**Structural steel reuse**  
Chairman: Jonathan Davis  
Meets four times a year



**Young Persons Group**  
Chairman: Michael Burt  
Meets four times a year





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Web: [www.bcsa.org.uk](http://www.bcsa.org.uk)