BCSA Limited is the national organisation for the steel construction industry: its Member companies undertake the design, fabrication and erection of steelwork for all forms of construction in building and civil engineering. Associate 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.
INTRODUCTION.

A strong and active national organisation for the steel construction industry is vital for our sector’s future and to our own future as individual steelwork contractors. As well as its work that is clearly visible to members, BCSA often works ‘behind the scenes’ on activities such as ensuring that codes and standards are as favourable to our sector as possible, lobbying government around issues such as payment, and partnering with other organisations to ensure that health and safety regulations are proportionate.

While once again, we saw a slight fall in structural steel consumption in the UK in 2013 – down less than 1% to 776,000 tonnes, the market in 2014 has firmed and we are now seeing stronger demand across most sectors. However, with prices still competitive and commercial terms difficult, we must continue to work together to improve market conditions.

In many of the sectors in which we work, steel continues to be the material of choice. Steel’s market share of multi-storey non-residential buildings in 2013 was up to 68.2% (67.1% in 2012), with steel’s share of office and education buildings also rising at 70.7% (70.4% in 2012) and 67.5% (66.5% in 2012) respectively. For single-storey industrial buildings, steel’s market share also rose to 85.6% in 2013.

There is no doubt that the work of the BCSA and the joint generic marketing agreement with Tata Steel continues to play a significant role in maintaining steel’s market share at these high levels. This Annual Review highlights BCSA’s key activities over the past year.

2014 will see the end of my term as BCSA President. I’m very proud to have had the opportunity to represent our sector, and to contribute to its future prosperity. In particular, both the achievement of CE Marking by BCSA members and the development of the BCSA’s CRAFT certificate will bring ongoing benefits to members and the broader constructional steelwork sector through the ongoing development of a competent and skilled workforce into the future.

BCSA STEELWORK CONTRACTOR MEMBERS:
• Are independently audited annually to ensure that they are competent to undertake various types and size of project.
• Are pre-qualified to PAS 91.
• Are awarded mutual recognition under Safety Schemes in Procurement (SSIP).

ALL MEMBERS:
• Comply with CE Marking as required by law.
• Have access to BCSA’s member resources and one-on-one advice, so they are up to date with changes to codes and standards.

Ivor Roberts
President

Sarah McCann-Bartlett
Director General
The Commercial and Contracts function in BCSA undertook the following activities in 2013/14:

**Advice to Members**
- The Director of Legal and Contractual Affairs provided advice and reviewed contracts and other documents for BCSA members throughout the year.
- BCSA provided helplines free at point of use for BCSA members covering employment and other business law, Scottish law and Irish law.

**Contractual Handbook and Seminars**
To assist members in understanding the legal background to their contracts:
- BCSA’s Contractual Handbook is in the process of being updated.
- A series of five seminars has been run in parallel with the updating of the Handbook.

**Onerous Conditions**
Although workload is increasing, conditions of contract do not get any better. As well as providing direct legal advice to members, BCSA:
- Has lobbied Government on behalf of members, either as an individual association or along with Specialist Engineering Contractors’ Group (SEC Group) or CBI colleagues on issues including Project Bank Accounts, fair payment and holiday pay.
- Advised members and took action on issues such as reverse factoring, retentions and overload of electronic information.
- Promoted the use of Project Bank Accounts.

**FUTURE PROJECTS:**
- The placement of annotated contractual clauses onto the Members’ Area of the website, for general information.
- The new Contractual Handbook will be published in 2014/15.
- A new commercial and contractual seminar series will be developed.

• The model documents on the Members’ Area of the website were updated as required.
• Issues raised by BCSA members were discussed (anonymously) at the Commercial and Contracts Committee.
Liaison with Industry Bodies
As part of BCSA’s role in representing the needs of the steel construction industry to Government and other industry bodies:

- The Chairman of the Commercial and Contracts Committee and the Director of Legal and Contractual Affairs sit on the board of the SEC Group.
- BCSA liaises with Government and other industry bodies both directly and via SEC Group.
- The Director of Legal and Contractual Affairs sits on the Construction Industry Council’s Liability Panel.

European Legislation
- In response to queries raised by the Process and Technical Committee, the Commercial and Contracts Committee debated legal matters relating to CE Marking.
- A close watch is kept on changes to European legislation and action taken as necessary – for instance, two important issues have recently arisen with the Working Time Directive (changes to the opt-out from the 48 hour average maximum working week and changes to the way holiday pay is calculated). On both occasions, major campaigns have been undertaken by the Committee under the leadership of Simon Boyd, John Reid & Sons (Strucsteel) Ltd.

Construction Contracts Act (Ireland)
- BCSA was instrumental in promoting the Construction Contracts Act 2013 in Ireland.
- Advice and guidance will be given to BCSA’s Irish Region as the Act comes into force.
Assisting members to deliver quality, cost effectiveness and buildability

BCSA’s Process and Technical team achieved the following in 2013/14:

Advice to Members
BCSA provided comprehensive technical advice and support to member companies, clients, specifiers, designers and contractors. This ongoing service includes:
- Response to specific technical enquiries.
- Member visits to advise on fabrication and welding systems.
- Advice on CE Marking.
BCSA steelwork contractor members also receive complimentary membership of the Steel Construction Institute (SCI) as part of their BCSA membership package.

CE Marking and the Constructions Products Regulation
The CE Marking of construction products covered by either a harmonised standard or a European Technical Assessment came into force on 1 July 2013. For fabricated structural steelwork covered by BS EN 1090-1, CE Marking will become mandatory on 1 July 2014. BCSA recognised early the need to provide its members with appropriate guidance and support to enable them to comply with the law. This support has included:
- CE Marking seminars for steelwork contractors and the wider construction industry including Main Contractors, Consultants and the enforcing authorities.
- The development and dissemination of CE Marking publications including ‘Guide to the CE Marking of Structural Steelwork’, ‘National Structural Steelwork Specification for Building Construction 5th Edition (CE Marking Version)’ and CE Marking supplements. Over 100,000 of the CE Marking supplements have been circulated to the wider construction industry.
- A two-day Responsible Welding Coordinator Course aimed at Execution Class 2. Six courses were held in 2013/14 and followed up by Stage 2 on-site assessments to confirm the competence of the RWC. To date, over 210 employees from member companies have attended the RWC Course.
- Member visits to advise on members’ preparedness for CE Marking, in particular, their welding quality management systems.

FUTURE PROJECTS:
- The development of the 6th edition of the National Structural Steelwork Specification.
- Published guidance for the constructional steelwork sector on Building Information Modelling (BIM).
- Ongoing Responsible Welding Coordinator Courses.
- Input into the systematic review of the Eurocodes.
Voortman V304 machine specially designed for cutting of plates
Technical Development Programme

BCSA completed a comprehensive technical development programme in 2013/14 as part of the Joint Generic Market Development Agreement with Tata Steel. The programme comprised over 25 projects that addressed specific needs aimed at maintaining and developing steel’s market share. Key projects included:

- Development of a design guide for portal frames to Eurocode 3.
- Development of new design rules for gusset plate connections.
- Software tools including:
  - Composite beam checking tool
  - Elastic critical moment for lateral torsional buckling
  - Fin-plate designer tool
- Fire design worked examples to the Eurocodes.
- Updated design guides on floor vibrations for hospitals and schools.
- Developing carbon footprint data for fabrication.

www.steelconstruction.info

- The www.steelconstruction.info website, which was launched in 2012, is regularly updated with the latest technical information and video and case studies, and continues to be an excellent source of information on steel construction for the wider construction industry.
- New articles, case studies and design tools are added regularly including:
  - Design software
  - Interactive Blue Book
  - Articles for architectural and engineering students
  - Videos on the SSDA, Student Awards, Sustainability, Eurocodes, and CE Marking
  - Online CPDs for an increasing range of key topics
- The functionality of the website was improved in 2013/14 including an online booking tool, an index of main articles and the introduction of a pdf reader.
- The website regularly receives over 175,000 visits each month.

Codes and Standards

BCSA is represented on key BSI, CEN and European technical committees and strives to provide practical advice to shape and influence the development of new codes and standards and the maintenance of existing codes and standards. These standards include:

- National and European design and execution standards.
- Product standards (structural bolts and welds).
- Harmonised standards for CE Marking.
32m high Stairs, Ridham Dock – Luxtrade Ltd

Cable Bands for Hardanger Bridge, Norway – Goodwin Steel Castings Ltd
SUSTAINABILITY.

Demonstrating steel’s sustainability credentials

The structural steel industry, and in particular BCSA members, continued to advance its sustainability credentials in 2013/14.

**Attitudes and Priorities**

- Our 2013 attitudinal survey showed that steel is seen as more sustainable than concrete, with the perception gap widening further.

**Sustainability Standards**

- Sustainable procurement continues to move up the construction industry’s agenda, with more clients demanding that their suppliers and sub-contractors are accredited to the Building Research Establishment’s sustainable procurement standard, BES 6001: Framework Standard for the Responsible Sourcing of Construction Products.
- An Environmental Product Declaration for structural steel and plate, applicable across Western Europe, was published last year. This EPD sets out the official position on carbon emissions for structural steelwork.

**Steel Framed Building Outcomes**

- Steel framed buildings continue to achieve the highest BREEAM ratings of excellent and outstanding.
- The 2013 survey on recycling and reuse rates for steel in construction showed that the combined rate has now increased to 96%, demonstrating again that steel is by far the world’s most recycled construction material.

**BCSA Activities**

- BCSA’s carbon footprint tool for buildings was used by the SCI to develop an improved understanding of the carbon emissions from the steel fabrication process. Including transportation to the steelwork contractor and then onto site, the overall figure is 0.284 tonnes of CO₂ per tonne of steel.
- The BCSA Sustainability Group continued to meet two to three times a year to discuss sustainable procurement, standards development, responses to main contractor initiatives and marketing activities.

**FUTURE PROJECTS:**

- Tata Steel is seeking to complete its BES 6001 accreditation for most of its construction products by the middle of 2014.
Health and safety continued to be a key focus for BCSA members in 2013/14.

Health and Injury
• BCSA members achieved yet another reduction in the accident frequency rate in 2013.
• The reduction from 0.4 to 0.3 of injuries that are reported under the Reporting of Injuries, Diseases and Dangerous Occurrences Regulations (RIDDOR) demonstrates the industry’s ongoing improvement. The frequency rate is measured by calculating the number of reportable injuries by one hundred thousand and then dividing by the hours worked. The one hundred thousand represents the working life time of a person, so the resulting frequency rate will give an indication of how many reportable injuries a person may experience in their working life.

BCSA members have continued to focus on reducing injuries in the constructional steelwork industry; this is mostly achieved by identifying injury trends and then using members’ combined knowledge and sharing opportunities.

FUTURE PROJECTS:
• BCSA’s Code of Practice for Metal Decking and Stud Welding will be published in the middle of the year.
• BCSA’s Steelwork Factory Lifting Operations Guide will be published in the second half of 2014.
• The Ground Conditions Forum guidance document will be issued for public comment in the last quarter of 2014.
Health and Safety Forums

• BCSA continued to work with other Trade Associations to establish common areas of health and safety concern. The following Forums were actively attended in 2013/14:
  – Specialist Engineering Contractors Health and Safety Group (SEC)
  – Engineering Construction Industry Association (ECIA)
  – Metals Forum Health and Safety Working Group
  – Small Business Trade Association Forum (SBTAF)
  – Metals Sector Strategy Group (Semta)
  – Royal Society for the Prevention of Accidents (RoSPA)
  – Institution of Occupational Safety and Health (IOSH)
  – Safety Schemes in Procurement (SSIP)
  – National Core Competency Benchmark (NCCB)
  – Essential Minimum Safety Standards (EMSS)
  – Reducing Weld Fume Exposure Forum (HSE)

Mobile Elevated Work Platforms (MEWPs)

• BCSA continued to be actively involved in the MEWP Safety Forum and ensured the guidance documents that were produced by the Health & Safety Executive and UKCG are not putting members at a disadvantage.

Telescopic Handlers used as Cranes

• A guidance document for use by members, *Telescopic Handlers used with Lifting Attachments*, was produced by BCSA’s Health and Safety Committee.

• The Strategic Forum for Construction sub-group for Telescopic Handlers is also producing a brief guide – when published this will complement the BCSA document.

Ground Conditions Forum

• The Health & Safety Executive instigated the Ground Conditions Forum to discuss and address the issues associated with plant operations and the conditions found on construction sites.

• BCSA attended this forum in 2013/14, and has continued to emphasise that roles and responsibilities must be made clear to ensure that action is taken by each party to ensure site conditions remain safe to operate plant and equipment.
Tubular steel foundation pipes supplied by Cleveland Steel & Tubes Ltd for SSE Offshore Wind Turbine Test Facility, Hunterston

Peebles to Innerleithen Cycleway link, Glenormiston Suspension Bridge, Peebles – Legge Steel (Fabrications) Ltd

New Entrance Hall and Office, South Lakes Zoo – Wedge Group Galvanizing Ltd. Image courtesy of J Wareing & Son Ltd

Pansport Bridge, Elgin – Cleveland Bridge UK Ltd
HUMAN RESOURCE AND TRAINING.
Providing guidance and training on key issues

BCSA developed the framework for a new training scheme in 2013/14, as well as establishing an E Learning platform for the constructional steelwork industry:

CRAFT Trainee Scheme
• BCSA developed an industry approved training scheme called CRAFT (Competence Route of Attainment in a Fabrication Trade). The new scheme addresses the training needs identified by the industry during a feasibility study carried out by BCSA in 2012.

• The CRAFT scheme will provide BCSA members with modules that give the training information needed to develop a person into the chosen trade of fabricator, welder or fabricator/welder. Members will need to identify a suitable person(s) to coach the trainee in the specific trade activities and a nominated and registered validator will confirm the trainee is able to demonstrate the ability to complete the tasks safely, in a reasonable time and to the required quality.

• The scheme will allow members to provide structured on-the-job training to trainees, supplemented with online coursework.

Bolting Competency Training
• BCSA has developed an E Learning programme for Bolting Competency. This will be the first step to meet the requirements of the National Highways Sector Scheme 20 Bolting Coordinator role (Bridgeworks).

• Following the successful completion of the bolting competency training course and test, the candidates can then advance to the Bolting Coordinator training course which will require them to provide evidence as described in the BCSA Bolting Standard and train the company specific practitioners and inspectors (based on materials provided by the BCSA). Once this evidence is assessed by BCSA, a Bolting Coordinator certificate will be issued.

FUTURE PROJECTS:
• BCSA’s CRAFT scheme will be launched at its 2014 Annual General Meeting.

• The modules for the Fabricator, Welder and Fabricator/Welder certificates will be refined and developed following user feedback in 2014/15.

• Further CRAFT certificates will be considered and developed as required.

• The Metal Decking Level 2 Diploma is to be withdrawn by ECITB and BCSA will offer an alternative qualification under the CRAFT Scheme with recognition from the Construction Skills Certification Scheme (CSCS).
MARKETING AND COMMUNICATIONS.

Celebrating the success of structural steelwork and ensuring that it remains the material of choice

BCSA, as part of the Joint Market Development Agreement with Tata Steel, has undertaken significant marketing activities in 2013/14:

Structural Steel Design Awards
- The 2013 Awards presentation took place on 9 July 2013 at Madame Tussauds in London.
- 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 Structural Steel Design Awards, sponsored by BCSA and Tata Steel, continue to demonstrate increasingly high standards, not only in design and fabrication, but also in speed, quality, health and safety and environmental awareness.
- The independent judging panel visits each of the short listed entries to ensure that the project lives up to the promise shown by the entry on paper.
- The Awards have made a significant contribution to the high market share of steel-framed construction.

Social Media
- New social media, including Twitter, Facebook, LinkedIn, Google+ and our own YouTube channel, have been increasingly used to engage with specifiers to further promote www.steelconstruction.info and key issues.

New Steel Construction magazine
- New Steel Construction (NSC) continued to be published jointly with Tata Steel and the SCI and was mailed to approximately 8,000 named specifiers from across the construction supply chain.
- It is also available digitally on www.newsteelconstruction.com.

Education
- Undergraduate design competitions were held for both Engineering and Architecture. The awards were presented to the winning students as part of the SSDA ceremony in July 2013.

FUTURE PROJECTS:
- The Structural Steel Design Awards will take place on 8 July 2014 in London
- NSC will go digital from July/August 2014
Access Bridge, Kendal – BD Structures Ltd

Energy from Waste Facility, Cardiff – curved cellular beams supplied by ASD Westok Ltd

New Passenger Walkway, Bristol International Airport – Snashall Steel Fabrications Co Ltd

ASDA Development, Warrington – Severfield (Design & Build) Ltd
MARKETING AND COMMUNICATIONS.

Celebrating the success of structural steelwork and ensuring that it remains the material of choice

Seminars

• Two physical seminar series were held during the year:
  – Fire Engineering seminars were held in Glasgow and Bristol, with speakers from Arup, Buro Happold FEDRA, WSP, University of Sheffield, ASFP and BCSA
  – Steel Essentials seminars were held in Cardiff, London, Leeds and Edinburgh, with speakers from BCSA and Tata Steel presenting to a total of 529 delegates on a range of topics including Practical Design to Eurocodes, CE Marking, Subgrade Selection, Fire Protection and Sustainability
  – The presentations from both seminar series have been added as online CPDs to www.steelconstruction.info

• A series of webinars, attracting 582 live attendees or on-demand views, was held at the end of 2013, including Steelwork Pricing by Gardiner & Theobald, Fire Protection covered by BCSA and Tata Steel, and Cost Comparisons by Gardiner & Theobald, Peter Brett Associates and Mace.

• The cost related webinars have been added as online CPDs to www.steelconstruction.info.

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 our specifier target audience.
  – Steel Focus - a six-page quarterly supplement in Building Design magazine highlighting the benefits of steel construction to architects
  – Steel Spotlight - a 10-page quarterly feature in Construction News, which is read widely by the industry, but particularly popular with contractors
  – Steel Insight - a quarterly feature in Building magazine, written by Gardiner & Theobald, to assist quantity surveyors with up-to-date information and guidance on the realistic pricing of structural steelwork
  – Structural Steelwork in Action - a 10-page annual supplement in New Civil Engineer, the membership magazine of the Institution of Civil Engineers
  – Steel Construction: CE Marking - guides clients, designers and main contractors through the obligations imposed by the Construction Products Regulations
  – Steel Construction: Fire Protection - a 40-page overview for specifiers on how to determine fire protection requirements
  – Steel Construction: Cost - a 40-page supplement giving an overview of how to price structural steelwork, the key factors to be considered and providing a review of the cost competitiveness of structural steelwork
  – Steel Construction: Thermal Mass - a 20-page overview on the key topic of utilising thermal mass in buildings, including case studies to demonstrate that thermal mass is independent of framing material
  – SSDA commemorative brochure and SSDA 2013 Special – these reviewed the shortlisted projects, as well as those that received Awards and Commendations

In 2013 we also commenced a series of design guides on key topics. A library of these features and guides can be found at www.steelconstruction.info/Steel_construction_news
MEMBERSHIP.

Demonstrating competence and registering capability, resulting in improved service and client confidence

Membership Services

• The Association is a focal point at local, national and international level for the steel construction industry, acting as its representative body and central management services organisation.

• On behalf of its members, BCSA:
  – Promotes the interests of the industry and the use of steel in construction
  – Provides members with professional advice
  – Provides members with opportunities to meet and discuss matters of common interest
  – Promotes the capabilities and expertise of the industry to specifiers
  – Helps specifiers and clients achieve cost-effective solutions through technical excellence
  – Organises seminars and courses
  – Publishes technical publications
  – Represents members’ interests to government, local government, public bodies and professional institutions

• 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.

Membership Categories

There are three categories of membership:

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

Associate 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 the national specifications, health and safety, quality, fabrication and erection techniques, overall industry efficiency and good practice.
Kaltenbach KC1201 Coping Robot coping a steel beam.
MEMBERSHIP.

Demonstrating competence and registering capability, resulting in improved service and client confidence

Selecting a Steelwork Contractor

To select a steelwork contractor for tender lists there is no easier way of prequalifying companies than using the BCSA Membership Directories for Buildings and Bridgeworks, which can be found on www.steelconstruction.org

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 8 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.

The Buildings Categories attainable refer to the type of steelwork for which a company can be assessed. Each applicant is independently assessed during a visit by reference to a range of competence criteria including technical and managerial. Companies can attain just one category, for one type of steelwork, or two or more.
Ravenhill Rugby Stadium – Ballykine Structural Engineers Ltd

Student Residence at The University of Salford – Walter Watson Ltd

Custody Centre, Gloucester – South Durham Structures Ltd

RSPCA Cattery manufactured from BW Surebuild® light gauge steel system – BW Industries Ltd
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.

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 40 mm.

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.

Bridgework Categories:

- FG  Footbridges and 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
- RF  Bridge refurbishment
- AS  Ancillary structures in steel associated with bridges, footbridges or sign gantries (eg grillages, purpose-made temporary works)

The Highways Agency (HA), 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.
Certification Services – 2013

- Demand for SCCS certification services continues to grow.
- All Quality Management (QMS), Environmental Management (EMS) and Occupational Health & Safety Management (OHSMS) certification re-assessments and surveillance visits scheduled for 2013 were successfully completed.
- In addition, the initial and ongoing assessments for new QMS, EMS, OHSMS, Factory Production Control (FPC) and National Highways Sector Schemes (NHSS) clients were completed during the year.

UKAS Accreditation

- SCCS maintained its accreditation for the Scheme’s QMS, EMS, OHSMS, NHSS 19A, NHSS 20 and NHSS 3 certification systems to BS EN ISO/IEC 17021.
- SCCS also maintained Notified Body status for the purposes of CE Marking of Structural Steelwork in accordance with BS EN 1090-1.

Quality Management (QMS)

- In 2013, SCCS serviced the certification of 32 (52 at Q1 2014) separate quality management systems, each of which is visited at least once per year.
- The need for structural steelwork contracting organisations to address the requirements for CE Marking (BS EN 1090-1), and in particular Factory Production Control (FPC), continues to attract additional interest in the development of formal quality management systems.

Environmental Management (EMS)

- SCCS serviced the certification of 16 separate environmental management systems in 2013 (17 at Q1 2014).
- This is an area that should not be overlooked by companies as there are legal obligations to maintain and a well operated EMS will provide the tools to keep on top of these requirements.
- This is another growth area, with several clients going through the initial certification process at the time of publication.
Lindapter Hollo-Bolts used to connect structural glass fins to primary steelwork of Stonehenge Visitor Centre. Image courtesy of Virtrine Systems Ltd

Phase 2 Indescon Court, Millharbour, London – SDM Fabrication Ltd

Diver Training Building, Lower Swanwick – Southern Fabrications (Sussex) Ltd
STEEL CONSTRUCTION CERTIFICATION SCHEME.

Ensuring Commitment to Quality

Health & Safety (OHSMS)
- In 2013, SCCS serviced the certification of 10 (11 at Q1 2014) separate health and safety management systems.
- This is another area in which steelwork contractors have considerable legal obligations, and a well operated OHSMS will also give companies the tools to keep on top of requirements.

CE Marking – ‘structural steel and associated products’
- In 2013, SCCS serviced the certification of 31 (72 at Q1 2014) Factory Production Control systems.
- SCCS also continued to perform FPC gap analyses during 2013.
- There has been a significant increase in demand for FPC certification into 2014, as the 1 July 2014 deadline for the CE Marking of structural steelwork approaches.

NHSS 19A – ‘corrosion protection of ferrous materials by industrial coatings’
- SCCS serviced the certification of 3 separate corrosion protection management systems in accordance with NHSS 19A in 2013 (3 at Q1 2014).
- This is also a growth area with several clients showing interest and going through the initial certification process at the time of publication.

NHSS 20 – ‘the execution of steelwork in transportation infrastructure assets’
- In 2013, SCCS serviced the certification of 6 management system for this sector scheme (6 at Q1 2014).
- It is anticipated that interest will grow over time, and it is already a requirement for companies working on Highways Agency contracts.

NHSS 3 – ‘stocking and distribution activities for mechanical fasteners’
- SCCS serviced the certification of 1 management system for this sector scheme in 2013 (1 at Q1 2014).
Pallas Foods, Dublin – Kiernan Structural Steel Ltd

Chemical Production Facility, Northwich – Atlasco Constructional Engineers Ltd

Dudley Advance College, Dudley – Shipley Structures Ltd

Access Staircase and Walkway, Apache Oil rig project – Access Design & Engineering

BCSA ANNUAL REVIEW 2013 – 2014
CONSUMPTION OF CONSTRUCTIONAL STEELWORK.

Steel’s Share of the UK Multi-Storey Non-Residential Market
UK Consumption of Constructional Steelwork

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Figures in thousand tonnes
Figures supplied by Tata Steel and BCSA