



**Steel Construction
Sustainability
Charter**

**REVISED
STEEL CONSTRUCTION
SUSTAINABILITY CHARTER
2021**

Peter Walker
Director Health, Safety and Training
BCSA

SUSTAINABILITY CAMPAIGN



Sustainability has moved up the agenda and more and more members are being asked about their sustainability credentials and the embodied carbon of structural steelwork.

The campaign which will include promotional activities includes the following activities:

Roadmap to net-zero carbon steel by 2050

Simplified carbon footprint tool

Revised sustainability charter that includes carbon reduction commitments

Sustainability specification which will form part of the NSSS



SUSTAINABILITY CHARTER



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Sustainability
Charter

The BCSA Sustainability Charter has now been revised and will be rolled out with supporting information / toolkit.

The intention of this webinar to update members of the changes and to encourage more to take up the Charter.

There will be 4 levels:

Gold = Minimum of 28 points (all Mandatory)

Silver = Minimum of 21 points (13 Mandatory)

Bronze = Minimum of 14 points (8 Mandatory)

Certified = Minimum of 8 points (2 Mandatory)



CHARTER REQUIREMENTS



Steel Construction
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1. A published sustainability policy

2. A policy to manage Energy, Water, Waste & Travel

3. A policy to reduce the company carbon footprint

4. A valid EMS to BS EN ISO 14001

5. A programme of involvement with the community

6. A structured training and development programme

7. A published equal opportunities policy

8. A published ethical trading policy

9. A valid H&SMS to OHSAS18001/BS EN ISO 45001

10. Use of Life Cycle Assessment (LCA) techniques

11. A responsible sourcing policy

12. A valid QMS to BS EN ISO 9001

13. Procure 50% Steel from Decarbonised source

14. A commitment to optimise sustainability in design

15. Demonstration of innovation towards sustainability



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REQUIREMENTS 1 & 2



1. A published sustainability policy

The policy summarises the sustainability commitments, including which of the Charter requirements the company has committed to.

The policy should be supported by a documented management system, which contains all procedural aspects and shall define appropriate metrics for measuring performance.

The policy should be reviewed and updated annually

2. A policy to manage Energy, Water, Waste & Travel

Establish a policy with supporting documentation for:

- Monitoring and reducing the amount of energy Electric / gas used
- Monitoring and reducing the amount of mains water used
- Measure and minimise waste
- Reduce the impact of personnel transport

REQUIREMENTS 3 & 4



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3. A policy to reduce the company carbon footprint

Quantify all Greenhouse Gas (GHG) emissions related to its direct operations and have a policy:

- For the monitoring of the GHG associated with their direct operations (energy and fuel use), and defining actions to be taken to reduce such emissions.
- Explore the use of renewable power sources such as solar, wind generated electricity or biomass.
- That replaces existing equipment with more energy efficient equipment.
- To turn equipment off (or set to energy-saving mode) when not in use.

4. A valid EMS to BS EN ISO 14001

If available provide copy of certificate



REQUIREMENTS 5 & 6



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5. A programme of involvement with the community

As part of our community involvement programme we engage in the following activities:

- Sponsor a local youth football team.
- Sponsorship schemes for charities e.g. Macmillan Cancer.
- Sponsorship of employees involved in local charity events / initiatives.
- Employees can suggest ways the company can support / sponsor initiatives.
- Advertise employment vacancies within the local area.
- Contact with local schools to invite applicants for apprentices / trainees for various positions that may become available within the company.
- Supporting employees in their roles as school governors.

6. A structured training and development programme

The Organisation must have in place a training and development programme of its employees and carry out regular performance reviews.

REQUIREMENT 7



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7. A published equal opportunities policy

Establish a policy that ensures equal opportunities to all in employment

- The Equal Pay Act,
- The Rehabilitation of Offenders Act,
- The Sex Discrimination Act,
- The Race Relations Act,
- The NHS Community Care Act,
- The Disability Discrimination Act,
- The Asylum & Immigration Act,
- The Human Rights Act,
- The Employment (Religion or Belief) and (Sexual Orientation) Regulations 2003.

REQUIREMENTS 8 & 9



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8. A published ethical trading policy

Ethical principles and good stewardship that recognises that commercial activities have potential to impact on suppliers. As a socially responsible business suppliers, local community and customers have a right to expect:

- Products manufactured and sourced that are produced under working conditions that are hygienic and safe,
- All workers involved in the delivery of services provided are treated with full consideration to their basic human rights,
- We will always act in an ethical manner above and beyond basic legal requirements.

9. A valid H&SMS to OHSAS18001/BS EN ISO 45001

If available provide copy of certificate



REQUIREMENT 10



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10. Use of Life Cycle Assessment (LCA) techniques

The sorts of studies a steelwork contractor might usefully undertake may include:

- Measuring offcuts and other scrap waste and improvements about ordering stock lengths and cutting plate more efficiently, i.e. tessellation,
- Measuring and understanding paint overspray and curing times, e.g. is there a quicker drying product; what energy is required for drying, etc. Trade-off between VOC content and heating/drying requirements,
- Understanding from a carbon and cost perspective the relative impact of rolled sections versus plate girders for a particular application (difference in carbon emissions and costs during production),
- Ditto for high strength steels,
- Understanding, measuring and taking steps to mitigate where required, local environmental impacts including noise and dust generation from fabrication activities and transport impacts including deliveries and employee commuting.

REQUIREMENT 11



11. A responsible sourcing policy

Endeavour at all times to provide a services that will:

- Responsibly source materials; produced under working conditions which are hygienic and safe,
- Communicate with suppliers/ buyers/employees in respect of our ethical strategies,
- Use steel commodities resourcefully, efficiently and strategically; recycling all waste,
- Monitor and reduce our VOC emissions by the selection of suitable, low solvent products,
- The company will not tolerate bribery, corruption blackmailing or bullying,
- Ensure employees are treated with full consideration of their basic human rights,
- Provide excellent working conditions and wages which are fair and comparable to industry standards and living requirements,
- Support educational, charitable and local community through sponsoring/supporting schemes.

A minimum of 50% (by weight) of steel sections and plate shall be from suppliers with a responsible sourcing policy to a recognised standard, e.g. BES 6001.



ArcelorMittal



TATA STEEL

REQUIREMENTS 12 & 13



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12. A valid QMS to BS EN ISO 9001

If available provide copy of certificate



13. Procure 50% Steel from Decarbonised source

Provide copies of the roadmaps and show evidence that the Organisation meets this requirement. **(For Steelwork Contractors Only)**

Some steel manufacturers do have roadmaps and others are still in preparation.



REQUIREMENT 14



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14. A commitment to optimise sustainability in design

Question the underlying design assumptions from a sustainability perspective, e.g. minimising GHG, design for deconstruction, identification of the members to be reclaimed at the end of life, etc.

As an example:

- Designing trestles and floor deck around previously used temporary works steel,
- Using 10% of reclaimed structural sections involved in a previous project.
- The Organisation provides clients with BIM models that facilitate future reuse of structural steelwork.

REQUIREMENT 15



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15. Demonstration of innovation towards sustainability

The Organisation must show evidence of innovative practices in terms of sustainability, not listed above. Examples of innovation are given below:

- Projects reusing steel members,
- Making the buildings more demountable, e.g. bolted shear connectors,
- On site/factory innovation relating to process optimisation,
- Other initiatives will be considered.



SUSTAINABILITY CHARTER



Revised Sustainability Charter (1/3)

Charter requirement		Issue	Score	Gold	Silver	Bronze	Certified
Min. Scoring				28	21	14	8
1	A published sustainability policy.	Policy and objectives	1	●	●	●	●
2	A policy to manage (i) energy, (ii) water, (iii) waste, and (iv) business travel.	Policy and objectives	1 per item (i) to (iv)	● all 4 items	● min. 3 items	● min. 2 items	
		Measurement and report (annual basis)	1 per item (i) to (iv)	● all 4 items	● min. 3 items (as above)		
		Set reduction targets	1 per item (i) to (iv)	● all 4 items			
3	A policy to reduce the company carbon footprint in line with the BCSA sector target(s).	Policy and objectives	1	●	●	●	●
		Measurement and report (annual basis)	1 (Scope 1 & 2)	●	●	●	
			2 (Scope 1, 2 & 3)				
	Set reduction targets	1	●				
4	The Organisation shall have a valid BS EN ISO 14001 Environmental Management System (EMS) certificate issued by a certification body accredited for that standard by a National Accreditation Body (NAB).	Management (third-party verification)	2	●			



SUSTAINABILITY CHARTER



Revised Sustainability Charter (2/3)

Charter requirement		Issue	Score	Gold	Silver	Bronze	Certified
			Min. Scoring	28	21	14	8
5	A programme of involvement with their local community on social issues and with the steel construction community generally.	Policy and objectives	1	●			
6	A structured programme for personnel training, development and communication.	Skills and training	1	●			
7	A published equal opportunities policy.	Policy and objectives	1	●			
8	A published ethical trading policy.	Policy and objectives	1	●			
9	The Organisation shall have a valid BS OHSAS 18001/BS EN ISO 45001 Occupational Health and Safety Management Systems (OHSMS) certificate issued by a certification body accredited for that standard by a National Accreditation Body (NAB).	Health and Safety (third-party verification)	2	●			
10	Use of Life Cycle Assessment (LCA) techniques, measurement and monitoring to assess, understand and improve the environmental impacts of the company's processes.	Management	1	●	●		
11	A responsible sourcing policy.	Policy and objectives	1	●	●	●	



SUSTAINABILITY CHARTER



Revised Sustainability Charter (3/3)

Charter requirement		Issue	Score	Gold	Silver	Bronze	Certified
			Min. Scoring	28	21	14	8
12	The Organisation shall have a valid BS EN ISO 9001 Quality Management Systems (QMS) certificate issued by a certification body accredited for that standard by a National Accreditation Body (NAB).	Quality management (third-party verification)	2	●	●	●	
13	To procure at least 50% (by weight) of steel sections and plate from steel producers with a published decarbonisation roadmap.	Climate Emergency specific actions for steelwork contractors	1	● for Steelwork Contractors only			
14	A company commitment to contribute to efficient and optimised structural designs, taking into account greenhouse gas emissions and the reusability of the steel structure, and to communicate options to clients.		1				
15	Demonstration of innovation relating to sustainable steel construction but not covered under the other requirements, since the last Charter audit.		Up to 2				



SUSTAINABILITY CHARTER CERTIFICATE (2 X MANDATORY)



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Charter

A published sustainability policy	✓	Mandatory
A policy to manage Energy, Water, Waste & Travel (1 x of max x 4)	✓	
A policy to reduce the company carbon footprint	✓	Mandatory
A valid EMS to BS EN ISO 14001		
A programme of involvement with the community	✓	
A structured training and development programme	✓	
A published equal opportunities policy	✓	
A published ethical trading policy	✓	
A valid H&SMS to OHSAS18001 / BS EN ISO 45001		
Use of environmental impact assessments for progress		
A responsible sourcing policy	✓	
A valid QMS to BS EN ISO 9001		
Procure 50% Steel from decarbonised source		
A commitment to optimise sustainability in design		
Demonstration of innovation towards sustainability		

EXAMPLE:

If eight requirements are implemented then the Certificate level is achieved.

To achieve Certificate level:

- 2 mandatory points
- Any additional 6 points required



SUSTAINABILITY CHARTER

BRONZE (8 X MANDATORY)



A published sustainability policy	✓	Mandatory
A policy to manage Energy, Water, Waste & Travel (2 x of max x 4)	✓	M min x 2
A policy to reduce the company carbon footprint	✓	Mandatory
A valid EMS to BS EN ISO 14001		
A programme of involvement with the community	✓	
A structured training and development programme	✓	
A published equal opportunities policy	✓	
A published ethical trading policy	✓	
A valid H&SMS to OHSAS18001 / BS EN ISO 45001		
Use of environmental impact assessments for progress	✓	
A responsible sourcing policy	✓	Mandatory
A valid QMS to BS EN ISO 9001	✓	Mandatory
Procure 50% Steel from Decarbonised source		
A commitment to optimise sustainability in design		
Demonstration of innovation towards sustainability		

EXAMPLE:

If 14 requirements are implemented then the Bronze level is achieved.

To achieve Bronze level:

- 8 mandatory points
- Any additional 6 points required

SUSTAINABILITY CHARTER SILVER (13 X MANDATORY)



A published sustainability policy	✓	Mandatory
A policy to manage Energy, Water, Waste & Travel (3 x of max x 4)	✓	M min x 3
A policy to reduce the company carbon footprint	✓	Mandatory
A valid EMS to BS EN ISO 14001	✓	Mandatory
A programme of involvement with the community	✓	
A structured training and development programme	✓	
A published equal opportunities policy	✓	
A published ethical trading policy	✓	
A valid H&SMS to OHSAS18001 / BS EN ISO 45001	✓	
Use of environmental impact assessments for progress	✓	Mandatory
A responsible sourcing policy	✓	Mandatory
A valid QMS to BS EN ISO 9001	✓	Mandatory
Procure 50% Steel from Decarbonised source		
A commitment to optimise sustainability in design		
Demonstration of innovation towards sustainability	✓	

EXAMPLE:

If 21 requirements are implemented then the Silver level is achieved.

To achieve Silver level:

- 13 mandatory points
- Any additional 8 points required

SUSTAINABILITY CHARTER

GOLD (26 X MANDATORY)



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A published sustainability policy	✓
A policy to manage Energy, Water, Waste & Travel (all)	✓
A policy to reduce the company carbon footprint	✓
A valid EMS to BS EN ISO 14001	✓
A programme of involvement with the community	✓
A structured training and development programme	✓
A published equal opportunities policy	✓
A published ethical trading policy	✓
A valid H&SMS to OHSAS18001 / BS EN ISO 45001	✓
Use of environmental impact assessments for progress	✓
A responsible sourcing policy	✓
A valid QMS to BS EN ISO 9001	✓
Procure 50% Steel from Decarbonised source	✓
A commitment to optimise sustainability in design	
Demonstration of innovation towards sustainability	

Steelwork

Contractors:

29 points required
across all criteria =
Gold level

Industry and

Corporate Members:

28 points required
across all criteria =
Gold level

BES6001 Certification
accepted as equivalent
annual report provided
as evidence



SUSTAINABILITY CHARTER



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Steel Construction Sustainability Charter toolkit: Example Policies / statements

- Sustainability policy statement
- Energy use reduction statement
- Water usage policy statement
- Waste control policy statement
- Business travel policy statement
- Carbon footprint reduction policy
- Community involvement policy statement
- Employee training, development and communication policy statement
- Equal opportunities policy statement
- Ethical trading policy statement
- Supplier Policy statement



APPLICATIONS COSTS



What are the cost for the **SCSC Certificate application** ?

- There will be no costs for the Charter assessment for the first 12 months
- There will be no additional costs for this assessment if carried out at your normal assessment time
- Costs will only be incurred if the assessment is not carried out during the membership assessment
- Compile a pdf portfolio and upload it to the assessment page

EXISTING SCSC MEMBER



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Charter

If I already have a SCSC Certificate?

- Your existing certificate will run until your next membership assessment
- There will be no additional costs for this assessment if carried out at this time
- You will need to check your current evidence against the new criteria
- Compile a pdf portfolio and upload it to the assessment page
- If you want to change the certificate before the assessment it will be date matched to membership date and only free in year one
- Costs will only be incurred if the assessment is not carried out during the membership assessment

NEW TO SUSTAINABILITY CHARTER



Steel Construction
Sustainability
Charter

What are the cost and process if I'm new to the Sustainability Charter?

- There will be no additional costs for this assessment if carried out at your normal assessment time
- Compile a pdf portfolio and upload it to the assessment page
- Costs will only be incurred if the assessment is not carried out during the membership assessment
- Steel Construction Sustainability Charter Toolkit is available for assisting with evidence

HOW TO APPLY



- Contact Lorraine MacKinder to obtain a copy of the application form
- Complete the form marking a cross against the credits you are aiming to achieve
- Save a PDF copy of the completed form
- Compile your supporting evidence for each point and attach to the end of your completed form as one PDF document
- Upload your application to the BCSA Assessment area and **click submit**

The British Constructional Steelwork Association Ltd

Steel Construction Sustainability Charter Application Form

Before completing this form please be aware that if your company has BES 6001 certification you will automatically be awarded Gold status of the Steel Construction Sustainability Charter. If you do have a valid BES 6001 certificate do not fill in this form simply upload your BES 6001 certificate to the BCSA Assessment area.

How to complete this form and submit your application for the BCSA Steel Construction Sustainability Charter

1. Please begin by providing your company name, contact details and the level of the charter you are aiming to achieve by answering the three questions below in section one. This form uses fillable fields, drop down selections and cross boxes. To enter your details please click the text in *italic* to the right of the question to enter your details and then click the dropdown arrow to select the appropriate charter level.
2. Then complete the table beginning on page 2. Click the box in the second and third columns where you are looking to obtain the credit and have provided supporting information (please note supporting information must be provided alongside each credit) marking these with an x so it is clear which credits you are aiming to obtain.
3. Once you have completed your form please save a copy as a PDF, this should be combined with your supporting evidence; ensure this form is at the front of the document. Then upload this portfolio (containing this form and all your evidence) to the BCSA member assessment area to the *Portfolio of Sustainability Charter information (containing the above in a single pdf file)* which can be found on the file uploads page.

Section 1: Please complete all fields

Enter your company name	<i>Enter company name</i>
Enter to name and E mail of the key contact for this charter application	<i>Enter name and E mail address</i>
Confirm which level of the charter you are aiming to achieve	<i>Silver</i>

The British Constructional Steelwork Association Ltd

Section 2: Complete the table marking with a cross the credits you are aiming to achieve and also noting where you are supplying supporting evidence.

	Charter Questions	Click the box to mark a cross to confirm you are applying for the credit	Click the box to mark a cross to confirm you have provided evidence to support achieving this credit	Gold	Silver	Bronze	Certified
1	Do you have a published sustainability policy?	<input type="checkbox"/>	<input type="checkbox"/>	•	•	•	•
2	Do you have a policy(s) to manage:			• (All 4)	• (Min 3)	• (Min 2)	
	Energy	<input type="checkbox"/>	<input type="checkbox"/>				
	Water	<input type="checkbox"/>	<input type="checkbox"/>				
	Waste	<input type="checkbox"/>	<input type="checkbox"/>				
	Business Travel	<input type="checkbox"/>	<input type="checkbox"/>				
	Do you measure and report on the following areas annually? (after year one)			• (All 4)	• (Min 3)		
	Energy	<input type="checkbox"/>	<input type="checkbox"/>				
	Water	<input type="checkbox"/>	<input type="checkbox"/>				
	Waste	<input type="checkbox"/>	<input type="checkbox"/>				
	Business Travel	<input type="checkbox"/>	<input type="checkbox"/>				
	Do you set reduction targets for the following areas?			• (All 4)			
	Energy	<input type="checkbox"/>	<input type="checkbox"/>				
	Water	<input type="checkbox"/>	<input type="checkbox"/>				
	Waste	<input type="checkbox"/>	<input type="checkbox"/>				
	Business Travel	<input type="checkbox"/>	<input type="checkbox"/>				
3	Do you have a policy to reduce the company carbon footprint in line with the BCSA sector target(s)?	<input type="checkbox"/>	<input type="checkbox"/>	•	•	•	•
	Do you measure and report (annual basis) the company	<input type="checkbox"/>	<input type="checkbox"/>	•	•	•	



HOW TO APPLY



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Charter Questions		Click the box to mark a cross to confirm you are applying for the credit	Click the box to mark a cross to confirm you have provided evidence to support achieving this credit	Gold	Silver	Bronze	Certified	
1	Do you have a published sustainability policy?	<input type="checkbox"/>	<input type="checkbox"/>	•	•	•	•	
2	Do you have a policy(s) to manage:			• (All 4)	• (Min 3)	• (Min 2)		
	Energy	<input type="checkbox"/>	<input type="checkbox"/>					
	Water	<input type="checkbox"/>	<input type="checkbox"/>					
	Waste	<input type="checkbox"/>	<input type="checkbox"/>					
	Business Travel	<input type="checkbox"/>	<input type="checkbox"/>					
	Do you measure and report on the following areas annually? (after year one)				• (All 4)	• (Min 3)		
	Energy	<input type="checkbox"/>	<input type="checkbox"/>					
	Water	<input type="checkbox"/>	<input type="checkbox"/>					
	Waste	<input type="checkbox"/>	<input type="checkbox"/>					
	Business Travel	<input type="checkbox"/>	<input type="checkbox"/>					
	Do you set reduction targets for the following areas?				• (All 4)			
	Energy	<input type="checkbox"/>	<input type="checkbox"/>					
	Water	<input type="checkbox"/>	<input type="checkbox"/>					



CARBON FOOT PRINTING TOOL



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- Company Simplified – Measuring the main energy and fuel use
- Company Complex – Includes third party measuring
- Project Simplified – Measuring the main energy and fuel use
- Project Complex – Includes third party measuring



[BCSA Carbon Foot printing Tools](#)



CERTIFICATE AND BRANDING



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**Steel Construction
Sustainability
Charter**

BCSA, 4 Whitehall Court, Westminster,
London SW1A 2ES
Tel: +44 (0) 20 7839 8566
Email: postroom@steelconstruction.org
www.steelconstruction.org


This is to certify that

**Company Name Company
Name Company Name**

The objective of the Steel Construction Sustainability Charter is to develop steel as a sustainable form of construction under the three core aspects of sustainability, i.e., in terms of economic viability, social progress and environmental responsibility:

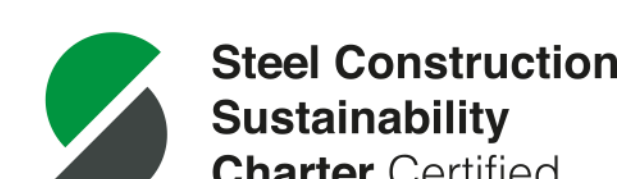
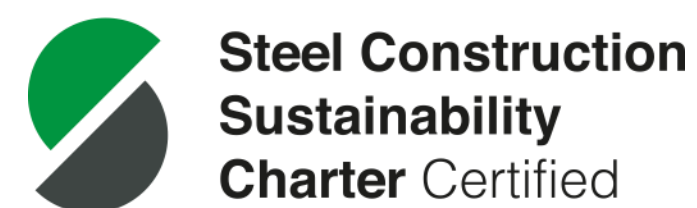
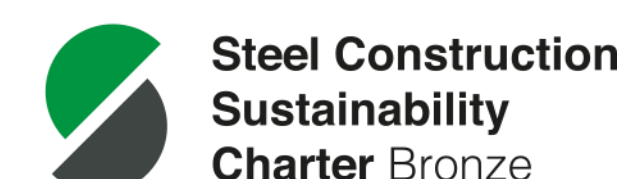
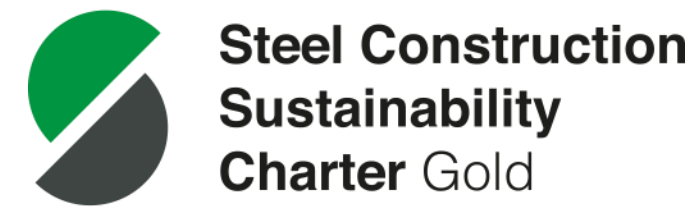
- For a Certificate a minimum scoring of eight
- For a Bronze Award a minimum scoring of fourteen
- For the Silver Award a minimum scoring of twenty-one
- For the Gold Award a minimum scoring of twenty-eight

**Has secured 21 credits and achieved:
Silver Standard**



Lorraine MacKinder,
BCSA Marketing & Membership Administrator

Company Registration Number: 00893081 Charter Reference: SCM 024



FURTHER INFORMATION



Steel Construction
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Membership / Assessment applications:

Email: lorraine.mackinder@steelconstruction.org Tel: 020 7747 8121

Sustainability Group & Charter:

Email: ana.Girao-Coelho@steelconstruction.org Tel: 020 7747 8127

Email: pete.walker@steelconstruction.org Tel: 01325 366328





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Q & A



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Peter Walker
Director Health, Safety and Training
BCSA