

The Institution of  
**StructuralEngineers**



# Structural Awards 2021

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 #StructuralAwards

## Entry guide

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## Entry guide

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# Introduction

The Structural Awards celebrate the role of structural engineers as outstanding, creative design professionals and showcase the world's most cutting-edge engineering.

The Awards culminate in the Supreme Award for Structural Engineering Excellence. A wide range of structures have been awarded this accolade in recent years including the British Airways i360, the world's tallest moving observation tower and the elegant Tamina Canyon Crossing, situated 200m above a gorge. Due to the COVID-19 pandemic the awards did not go ahead as planned last year. Instead the 2020 entries will be judged alongside this year's entries. There will be one combined shortlist and a 2020/2021 Structural Awards ceremony.

The Institution is the world's largest membership organisation dedicated to structural engineering.

You should find all the information you need to enter the Structural Awards in this guide. If you do have any questions, email [events@istructe.org](mailto:events@istructe.org).

## Key dates

Wednesday 20 January	Awards open for entries
Monday 12 April	Closing date for entries
Monday 2 August	Shortlist announced
Friday 5 November	2020/2021 Structural Awards ceremony

# How to enter

Entry is a simple three step process. All three steps must be completed in full by **17:00 BST on 12 April 2021**.

- Step 1 – Complete the online entry form
- Step 2 – Submit an illustrated report
- Step 3 – Pay the entry fee

## Step 1: Online entry form

Start by completing the short entry form at [www.istructe.org/structural-awards-entry-form](http://www.istructe.org/structural-awards-entry-form). It takes approx. 10 minutes to complete.

The following information must be provided:

### Project details

- Project name
- Project location
- Categories (you may submit your project in up to 2 categories)
- Brief project description (70-100 words)
- Date of completion (dd/mm/yy): **NB: the project must have been fully completed and opened for intended use (or due for completion and use) between 16 April 2019 - 12 April 2021**
- Cost (£ sterling)

### Your details

- Name (should be main correspondent for entry)
- Company name
- Company's role in project (eg structural engineer)
- Job title
- Telephone
- Email address
- Postal address

### Member Representative (must have been involved in the project and be a Member of the Institution of Structural Engineers)

- Name
- Company
- Membership number
- Email address

*Please note that it's not possible to save a draft or incomplete form. You must complete all fields and submit without leaving the page.*

Once you have completed the entry form, you will receive an email containing your unique Entry ID. Please make note of this as you will need it for Steps 2 and 3.

**IMPORTANT:**

- Please ensure you have gained permission from all involved parties before starting your entry
- Please ensure that the information you provide is accurate, as the Institution will include the content online and in print for the promotion of shortlisted projects
- The Institution accepts no liability for any inaccurate information submitted

## Step 2: Illustrated report and supporting imagery

You will need to submit an illustrated report describing your project including a cover sheet and further photos and drawings, to support your entry.

- The report should respond to the judging criteria and category descriptions
- The final report must be a maximum of 1500 words and no more than six pages (single-sided) in an A4 pdf file
- Where more than six pages are submitted, any additional pages will not be considered by the judges
- Where possible, please include relevant metrics, such as tonnes/metres, cost per square metre, total floor area and other data considered relevant to the project

Please also submit:

- Five to ten high quality photographs that fully illustrate the project. Each image must be uploaded as a single image file
- At least two full page engineering drawings showing the general arrangement and typical sections and/or details of the structure (with dimensions and notes legible when printed at A4)
- A video file (or link to a video file) that provide context for the project (optional)
- A completed cover sheet. The template will be provided

**Once you have submitted Step 1 of your entry you will be sent a link to a Sharepoint folder. Please upload your illustrated report, cover sheet and supporting files here as instructed.**

### **Step 3: Entry fee**

Visit [www.istructe.org/structuralawards/enter](http://www.istructe.org/structuralawards/enter) anytime to pay. You will need to login to your IStructE website account or register.

The entry fee per project is £300 + VAT and must be paid online using a VISA or Mastercard.

NB: Please contact the Events team on [events@istructe.org](mailto:events@istructe.org) if you are unable to pay by credit or debit card.

Please note that entry fees are non-refundable.

# Judging

The judging process comprises two stages:

1. Our judging panel independently review all entries and award points based on the judging criteria and relevance to category descriptions to decide the shortlist.
2. The judging panel then meet to decide category winners. Judges will absent themselves from any discussions where they have a vested interest.

## Judging criteria

Each project is judged solely on the information provided in the illustrated report and supporting imagery. The report should detail the structural engineering characteristics of the project with a focus on demonstrating why it should win and its relevance to the category and criteria. The judges will be looking for projects that demonstrate the following:

- Sustainability: innovation in material choice, positive impact on society, with reference to the 17 United Nations Sustainable Development Goals and the Circular Economy principles, quantification of the embodied carbon footprint of the structure (not the whole project) using any named counting scheme, with commentary on how this was minimised.
- Creativity and innovation: examples of originality and the application of new and improved technologies and processes in the structural design, particularly where these have led to greater efficiency and economy in the solution
- Elegance and good detailing: engineering structures that demonstrate technical and/or visual elegance, including in the attention to detail, or that contribute to the elegance of the overall design solution
- Value: economic viability and value for money in the structural solution, as well as non-financial indicators of value
- Ease of constructability: characteristics that place the structural engineering solution well beyond the ordinary, including demonstrable examples of how the structural design enabled the project to meet or exceed the client's expectations

# Award categories

Projects may be entered in a maximum of two principal categories.

The categories have been designed to place a strong emphasis on the structural characteristics of a project, rather than the type of structure.

Entrants should identify their chosen category or categories in Step 1 of entry.

Please note: the judges reserve the right to reallocate projects to different categories if considered more appropriate.

## **Award for Tall or Slender Structures**

Awarded for structural engineering excellence in projects where height or slenderness presents a particular structural challenge in the design and construction.

## **Award for Long Span Structures**

Awarded for structural engineering excellence in buildings or stadia (not bridges) incorporating particularly long spans, relative to the proportions of the structure.

## **Award for Vehicle Bridges**

Awarded for excellence in the design of bridges carrying highways and/or railways.

## **Award for Pedestrian Bridges**

Awarded for excellence in the design of pedestrian and/or cycle bridges, or other lightweight bridge structures.

## **Award for Small Projects**

Awarded for excellence in the structural design of projects with a construction cost of less than three million pounds.

## **Award for Structures in Extreme Conditions**

Awarded for excellence in the design of structures subject to extreme actions or involving unusually complex interactions with the ground and/or particularly challenging foundations.

## **Award for Structural Heritage**

Awarded for excellence in structural design where important heritage characteristics of the original structure are preserved through appropriate restoration and conservation.

## **Award for Structural Transformation**

Awarded to projects demonstrating structural engineering excellence in the transformation, repurposing or extension of an existing building or structure.

## **Award for Construction Innovation**

Awarded for projects demonstrating structural engineering excellence and innovation in the design of temporary works and construction processes.

### **Award for Structural Artistry (buildings)**

Awarded for building projects in which an adequate and worthy solution has been transformed by the vision and skill of the structural engineer into something exceptional.

### **Award for Structural Artistry (non-building structures)**

Awarded for creative structures in which the vision and skill of the structural engineer has been paramount. Structures may include but are not restricted to sculptures, demonstrator projects, motorway gantries, floating structures, moving structures and cranes.

### **NEW Award for Zero Carbon**

Awarded for projects which demonstrate zero or negative-carbon design in both the embodied carbon in the structure and the operational requirements of the project.

### **NEW Award for Minimal Structural Intervention**

Awarded for projects which through the ingenuity of structural engineering expertise have led to no, or minimal, structural intervention in order to safely prolong the life of an existing structure.

In addition, the judges will award the following to one category winner:

### **Supreme Award for Structural Engineering Excellence**

Awarded to the finest example of excellence in structural engineering design - selected by the judges from the winners of the thirteen principal award categories.

# Terms and conditions

To enter your project(s) in the Structural Awards 2021, your entry must adhere to the following terms and conditions:

1. Your complete entry (part 1: online entry form, part 2: illustrated report and part 3: payment) must be received by the final closing deadline of **17:00 BST on Monday 12 April 2021**.
2. Entries may be submitted by any company involved in the project, but the named project representative must be a member of the Institution of Structural Engineers.
3. All parties in the project team, including the client, must have given consent for the project to be entered in the competition.
4. The project must be completed, or be due for completion, between 16 April 2019 and 12 April 2021.
5. Entry forms will only be accepted via our website. All documents and information must be submitted as instructed.
6. Your illustrated report must total no more than 1500 words and six A4 pages (not including the cover sheet). Any pages thereafter will not be considered by the judging panel.
7. Your project will be considered in a maximum of two categories. The judging panel reserve the right to reallocate entries to more appropriate or additional categories.
8. All project accreditation between project team members must be agreed prior to making the entry. Please note: if a discrepancy arises between project team members, the project will be ineligible for consideration until the issue is resolved.
9. The judges' decision on all shortlisted entries and winners is final. It is not possible to provide individual feedback for entries that are not shortlisted. The judges reserve the right to make no awards within categories should entries be deemed unsuitable.
10. Information submitted, and photographic copyright of any project images, will remain with the authors. Image files and illustrated reports must be clearly identified in the file name in order for authors to be credited. However, by submitting an entry you consent to the Institution of Structural Engineers using all information and media in any way the Institution deems fit. This may include, but is not limited to, adapting images for print and digital marketing, PR and exhibition purposes. The Institution may allow trusted third parties (e.g. journalists) to use such works for the purposes of promoting the Structural Awards.

# Contact

## Questions

If you have a query about your entry, or wish to attend the awards ceremony, contact the Events Team.

✉ Email: [events@istructe.org](mailto:events@istructe.org)  
☎ Telephone: +44 (0)20 7201 9824

## Media

If you have a media enquiry, contact the PR Team, who will be happy to provide you with images and information concerning the awards, and arrange interviews with judges and award-winning project teams.

✉ Email: [pr@istructe.org](mailto:pr@istructe.org)  
☎ Telephone: +44 (0)20 7201 9112

## Sponsorship

For sponsorship enquires, contact the sponsorship team.

✉ Email: [ryan.kowo@istructe.org](mailto:ryan.kowo@istructe.org)  
☎ Telephone: +44 (0)20 7201 9103 ext. 0203

Further information and guidance can also be found in our FAQs at [www.istructe.org/awards/faqs](http://www.istructe.org/awards/faqs)

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