

IABSE Future of Design London 2018

Young Designers' Competition: Design Brief

Landmark Structure

1.0 Brief

The ArcelorMittal Orbit (refer to Figure 1) was a landmark of the London 2012 Queen Elizabeth Olympic Park. Since the games, its legacy has continued, with it now being used as an observation tower, the world's longest and tallest tunnel slide and the UK's highest freefall abseil.



Figure 1.1 – ArcelorMittal Orbit, Queen Elizabeth Olympic Park

Following the success of this interactive sculpture and its legacy, imagine that a new landmark structure is proposed to mark the 2022 Commonwealth Games in Birmingham¹. Your task is to propose a design for this structure.

¹ Note, no such structure has been proposed in reality. This is an imagined design task for the Future of Design London 2018 conference.

2.0 Vision for the Structure

The games organisers have the following vision for the structure:

- It should reflect both the heritage of Birmingham and the Commonwealth Games.
- It should be a permanent structure with relevance and legacy after the games.
- The structure could have a dynamic element, but should not use any external power supply.
- Members of the public should be able to approach and interact with the structure, it should not sit behind any barriers nor compromise pedestrian flow through the square.
- The structure should include a viewing platform.

The landmark structure will be situated in Victoria Square in Birmingham city centre. With competition venues spread across the city and surrounding area, the square is expected to transform into a sporting and cultural landmark for the games, with events planned in the square itself, as well as in nearby indoor arenas. The proposed design should take into account the existing features of the square, both historical and those resulting from recent regeneration.

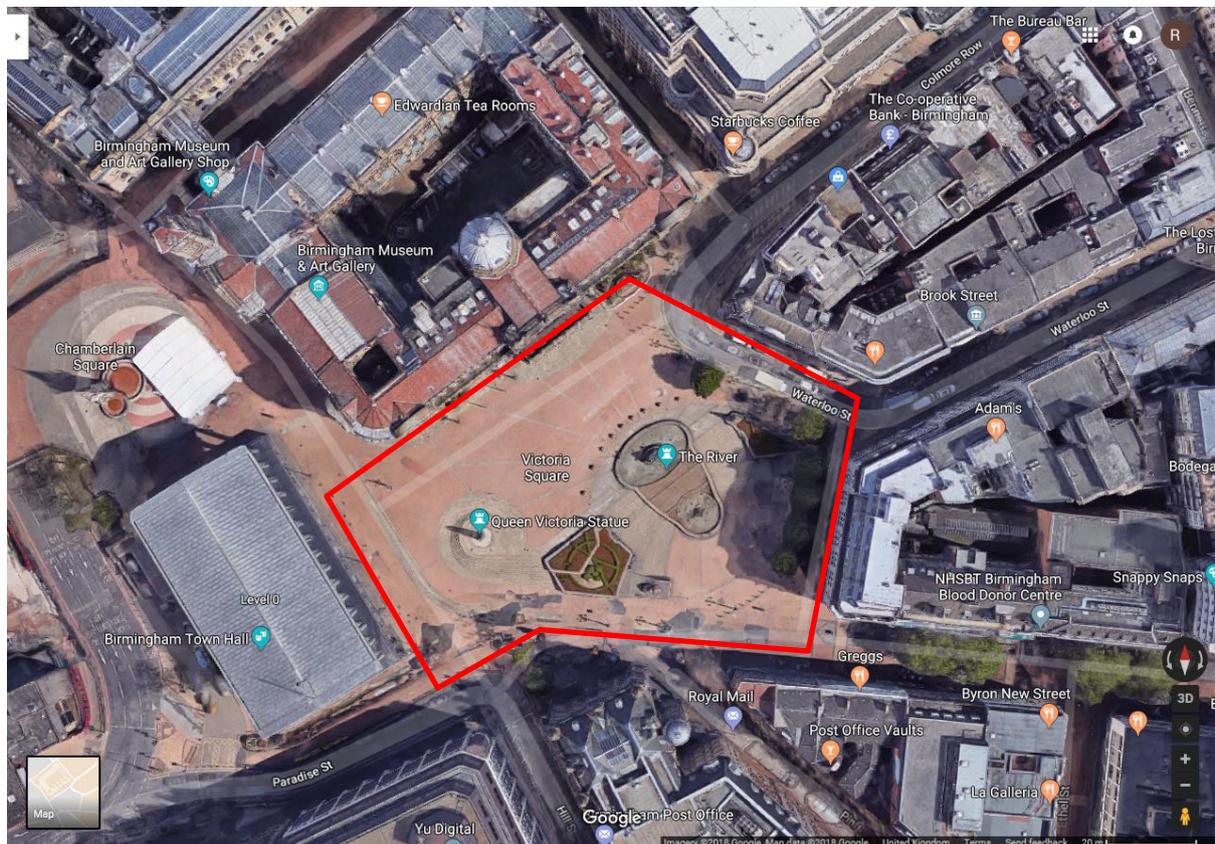


Figure 2.1 Site for landmark structure. The structure must sit within the red boundary.

3.0 Proposal

Designers are expected to propose designs which meet the aspirations and restrictions in section 2. As well as the conceptual design element, designers should demonstrate that they have considered more technical aspects of the design.

The judging criteria will be as follows:

- Structural feasibility
- Innovation
- Suitability to site
- Adherence to design brief
- Consideration of buildability and ongoing maintenance
- Financial sustainability

The submissions will be judged by a jury of engineers and architects based on these criteria. A £300 prize will be awarded to the winning team. Prizes will be awarded at the jury's discretion.

4.0 Submission details

4.1. Format

Submissions are to consist of a single A2 size board, submitted in pdf format by email to events@iabse.org.uk. Boards should include the team's identification number clearly located in one corner. No other identifying marks (e.g. entrant names, company/organisation names or logos) should be displayed on the boards. It should be noted that the judging criteria focus on the solution to the brief, rather than the mode of presentation. While the quality of the presentation may affect the judges' decision, it is not essential to produce computer rendered images of the scheme; high quality hand sketches are an adequate communication device. However, please ensure that all text is clearly visible at A2 scale.

Entries must be submitted before 5pm on 31st August 2018. Entries received later than this time will be rejected.

Teams may consist of up to four team members. All entrants must be under 35 years of age on the date of the conference. Entries should be accompanied by the name of a team member who will be attending the conference. Entries will not be considered for shortlisting if none of the team are available to attend. To enter your team, please email the names and dates of birth of your team members to events@iabse.org.uk. You will then be given a team identification number.

The organising committee will arrange for the shortlisted schemes to be printed. These boards will be displayed for public viewing throughout the conference, and will be available for collection at the end of the day.

4.2. Programme:

3 rd July 2018	Design Brief issued
31 st August 2018	End of questions period. Any questions about the brief or the competition should be sent to events@iabse.org.uk . Answers will be made available to all competitors and published on the IABSE UK website.
5pm, 31 st August 2018	Deadline for competition submission
10 th September 2018	Shortlisted entries notified
19 th September 2018	Judging and Presentation at the IABSE FoD Conference