



## **You may not have heard of Stage One, but we can guarantee you will have seen our work.**

From the set of TV show The Voice, to the Eurovision Song Contest stage, and even the set for Ed Sheeran's Mathematics Tour and the 2012 Olympic Cauldron we produce work that is seen all over the world.

## **We are a creative construction and manufacturing company and are responsible for delivering some of the most iconic projects in recent times.**

We are a multi-disciplined manufacturer spread over 12,000sqm of estate, with four facilities that house engineering, fabrication, woodwork, finishing and specialist manufacturing.

# Junior Structural Engineer

## **The Role:**

The Junior Structural Engineer will assist with the design and engineering of projects spanning the architectural, construction, exhibition and live events sectors to relevant standards including Eurocodes, Machinery Directive and Stage Engineering Standards. The industry in which we work is not a standard structural environment, applicants should either have experience of or want to work outside of a building industry environment in a fast-paced dynamic organisation and be very reactive to project requirements and flexible to change.

### → **Salary:**

Dependent on Experience

### → **Hours of Work:**

08:00 – 17:00, Monday – Friday with overtime as required

### → **Location:**

Tockwith, York



# Junior Structural Engineer

## Key Responsibilities:

- Produce engineering solutions with supporting calculations and analysis using Autodesk Robot, or by hand for conceptual and detail designed projects.
- Specify member, component and weld sizes and materials according to analysis standards required and prepare written specifications.
- Check drawings and calculations by others, ensuring their fitness for purpose.
- Liaise with other members of the project team to achieve a coordinated engineering solution that meets the defined objectives.
- Act as a design representative at meetings with the internal project team and/or external clients, suppliers and project stakeholders.
- Inform or produce project documentation including project plans, design risk assessments, structural reports, mechanical calculations, inspection & test plans, RAMS, temporary works designs, installation plans, lifting plans and technical files.
- Attend sites as necessary to verify installations.

# Person Specification

## Qualifications:

ESSENTIAL:

- Recognised Structural Engineering Degree, ideally either CEng or working towards.

## Personal Attributes:

ESSENTIAL:

- Positive attitude to work, drive, enthusiasm and commitment.
- Ability to work under pressure.
- Strong attention to detail.
- Collaborative working style and willingness to input with shared ideas and problem solving.

# Person Specification [ CONTINUED ]

## Skills, Experience, Abilities & Competencies:

### ESSENTIAL:

- Recently graduated or up to 5 years industry experience.
- Proficient in the use of structural analysis software e.g., Autodesk Robot.
- Able to perform and check hand calculations.
- Good working knowledge of Eurocodes.

### DESIRABLE:

- Experience using Autodesk Inventor.
- Strong capability in mechanical calculations.
- Experience with finite element analysis (FEA), with steel plate connections and assembly parts.
- General understanding of stress analysis for both structural and mechanical applications.
- Experience in the use of plate analysis in Autodesk Robot or Stress Analysis in Autodesk Inventor/Nastran or similar programs.



STAGE ONE

# Interested?

If you would like to apply,  
please send your CV and covering letter to  
[recruitment@stageone.co.uk](mailto:recruitment@stageone.co.uk)