

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

From the set of the TV show The Voice, to the Mercury Music Prize stage and even 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 manufacturing facility spread over 12,000Sqm of estate with four manufacturing and storage facilities, engineering, fabrication, woodwork, finishing and a specialist manufacturing facility.

## **The Mechanical Engineer will be primarily focused on the design and engineering of machines and static structures for projects spanning the architectural, construction, exhibition, and live event sectors, typically winches, revolves and bespoke machinery.**

This will involve conceptual design of stage, performance and special machines to meet client concepts or specifications.

## DETAILS OF THE ROLE

<b>SALARY</b>	Dependent on experience
<b>HOURS OF WORK</b>	40 hours per week 8am – 5pm, Monday – Friday, with overtime as required
<b>LOCATION</b>	Based at Tockwith, near York

## ABOUT THE ROLE

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### Key Responsibilities:

- Conceptual and detailed design of stage, performance and special machines to meet client concepts or specifications.
- Produce and check engineering solutions, calculations and drawings.
- Produce or supervise creation of conceptual models in Autodesk Inventor including FEA.
- Produce project documentation including Project Plans, design risk assessments, mechanical calculations, inspection & test plans, RAMS, temporary works designs, installation plans, lifting plans and technical files.
- Devising and coordinating machining methodologies with machinists and being the liaison between engineering and machining departments.
- Assisting with design for manufacture and manufacturing efficiencies.
- Produce engineered solutions with supporting calculations and analysis to achieve better than regulatory standards and guidelines including Eurocodes, Machinery Directive, CDM Regulations and Entertainment Technology - Machinery for Stages and CE/UKCA Standards.
- Select and verify third party products.

## ABOUT THE ROLE

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### Key Responsibilities:

- With project managers, ensure machines and structures are built and tested to design including factory acceptance and on site.
- Act as design lead on single and multi-disciplined projects as and when required.
- Liaise with other members of the project team and the client and other stakeholders to achieve a coordinated engineering solution that meets the defined objectives.
- Project cost control and effective management of project resources.
- Ensure that quality and consistency of output (drawings, reports, calcs etc.) is always maintained.
- Assist in the development of processes to improve efficiency and project delivery.

## PERSON SPECIFICATION

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### **QUALIFICATIONS**

#### ESSENTIAL

- A general education to include 5 GCSE passes at Grade C or above (including Maths and English), or an equivalent educational qualification, or relevant experience.
- HND or Degree in Mechanical Engineering, or similar discipline.

### **KNOWLEDGE**

#### ESSENTIAL

- Understanding of the design process, and its associated documentation.
- Extensive knowledge of British Standards and Design Regulations.
- Extensive knowledge of designing and detailing mechanical systems / components.

## **PERSONAL ATTRIBUTES**

### ESSENTIAL

- Positive attitude to work, enthusiasm, and commitment
- Highly organised and able to work flexibly, under pressure, and to tight deadlines
- Have a flexible approach to working hours, particularly during busy periods of the year
- Willingness to undertake relevant training as appropriate
- Enthusiasm to support other areas of the department as required
- Willingness to adopt new ways of working and to make improvements

## **SKILLS, EXPERIENCE, ABILITIES & COMPETENCIES**

### ESSENTIAL

- Mechanical calculations / methodical problem-solving ability.
- Technical drawing to BS 8888 or other professional standards.
- Experience designing mechanical systems / components (gained in the UK).
- Ability to communicate effectively with a wide range of people.

### DESIRABLE

- Extensive experience using Autodesk Inventor.
- FE analysis software (preferably Autodesk Nastran / Autodesk Inventor).
- Drafting and modelling in Autodesk Inventor (gained in a working environment).
- Checking the work of peers (designs, drawings, calcs, models etc.).
- Autodesk Vault, and / or Revit, and / or AutoCAD (gained in a working environment).
- Previous supervisory experience and experience of leading a design team.
- Demonstrate commercial awareness.



STAGE ONE

**INTERESTED?**

**IF YOU WOULD LIKE TO APPLY,  
PLEASE SEND YOUR CV AND  
COVERING LETTER TO  
RECRUITMENT@STAGEONE.CO.UK**