

# Precision Engineering

## CPD Seminars

Burnhouse Engineering have produced innovative and recognisable architectural steelworks such as Edinburgh International Climbing Centre and the entrance to the New Gorbals, Glasgow.

This seminar describes the Value Engineering process, where the manufacturing and design process is developed utilising 3D modelling and software applications in steel stresses and structural design.



EICC EDINBURGH



GORBALS ART PROJECT GLASGOW



### CPD Seminar booking information:

Suitable for Architects and Engineers seeking manufacturing specifications and drawings for architectural and structural steelworks.

Duration: 1 Hour

Location: At your Offices

Certificate of Attendance provided

Catering: by Burnhouse Engineering



REID KERR COLLEGE  
PAISLEY



GRAND DESIGNS  
PROJECT  
KILCREAGAN ARGYLL



AMT COFFEE  
EDINBURGH

## BURNHOUSE ENGINEERING

Burnhouse Engineering have successfully produced bespoke architectural steelworks projects for 20 years including: Edinburgh International Climbing Centre, Reid Kerr College, Gorbals Arts Project and Glasgow Shields Road carpark.

They have pioneered a 'value engineering' 3 step approach that focusses on the design process to ensure the most efficient build and installation for each project.

### 1. Design

The latest technology is adopted to produce 3D designs for the manufacturing process including:

- Concept analysis
- 3D modelling
- Steel stress analysis
- Solidworks

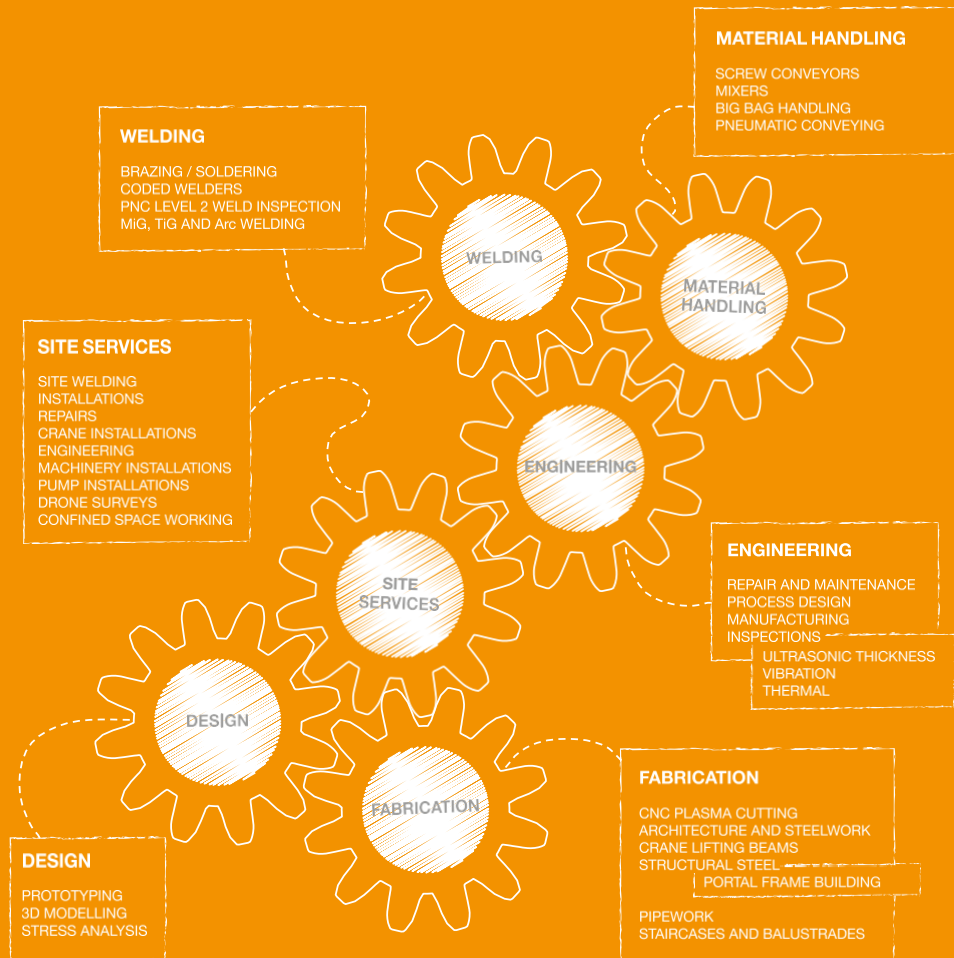
### 2. Build

CAD, design engineers and draughtsmen create design specifications for each project, that are fabricated in the purpose-built site in Ayrshire.

### 3. Installation

Architectural structures are then transported and installed onsite by their team of specialists who have worked on the projects at each stage of the engineering process.

# THERE ISN'T MUCH WE CAN'T DO...



**ACCREDITATIONS**  
ISO9001  
CE MARKING EN1090-1  
ACHILLES UVBD

**BURNHOUSE ENGINEERING**



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