



Structural design of East Riding Leisure, Bridlington.



Dutch River Swing Bridge, Gooles.

Structural engineering

- Residential and commercial building structures
- Feasibility studies for development sites
- Building Regulations and Planning Applications
- Confined space inspections
- Heavy industrial development
- Access and maintenance gantries
- Modular building design
- Blast design
- Subsidence management and resolution
- Temporary works design and specification
- Site and soils investigation
- Sulphate attack specialists



Structural design of East Riding Leisure, Bridlington.

Expert witness services

- Civil & structural engineering disputes
- Building disputes
- Professional opinion reports
- Health and safety
- Regulations

Building surveying and CDM

- Project management
- Property repairs and specifications
- Contract administration / supervision to completion
- Structural / building surveys and reports
- Condition surveys and schedules of condition
- CDM services – principal designer
- Quantity surveying & cost management
- Contract advice and dispute resolution
- Party Wall representation
- Dilapidation claims
- Disabled adaptations



Cover image Bridlington East Riding College Campus

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engineering expertise everyday



Mason Clark Associates: Registered in England No: 2537113

Civil engineering

- Bridge design, maintenance and construction
- Wharfs, jetties and marine structures
- Highway design and maintenance schemes
- Retaining wall and slope stability solutions
- Land remediation advice
- Road and sewer design to adoptable standards
- Section 38 and 104 agreements
- Sewer requisitions and diversions
- Section 98 and 185 agreements
- Flood risk assessments
- Coastal erosion flood breach analysis
- Flood risk management and flood prevention schemes
- Underground drainage design
- Stormwater attenuation
- SUDS, ponds, lakes and balancing ponds

3D scanning and modelling

- Utilising the latest Faro series scanners & software
- All forms of measured surveys
- Output in CAD plans and detailed Revit models
- Non-intrusive inspection and data capture
- Dimensional analysis
- Reverse engineering
- Virtual reality
- Mesh analysis and volumetrics
- Asset management
- Building Information Modelling (BIM)
- Traditional topographical surveys

Conservation engineering

- Engineer Accredited in Building Conservation (CARE)
- Heritage and conservation engineering
- Listed building refurbishment
- Historic parks and gardens
- Scheduled ancient monuments
- Monitoring and investigations
- Liaison with local authorities and conservation officers
- Buildings at risk and managed ruins

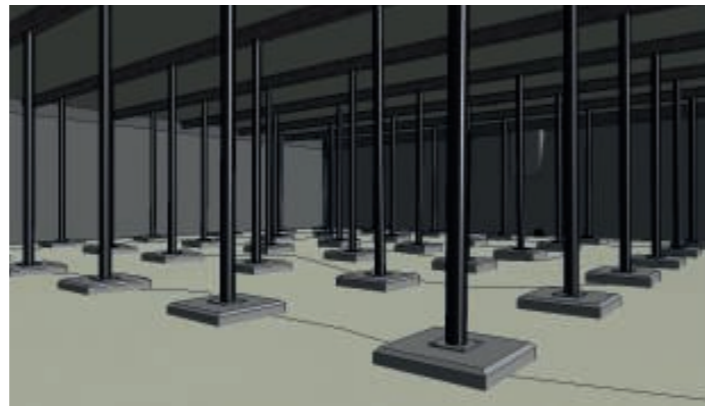
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Red Cow Reservoir

Client: **Welsh Water**
 Location: **Maesteg, South Wales**
 Project: **Scan & model existing decommissioned subterranean reservoir for recommissioning works.**



3D Scan Image



Revit Model Export



Revit Model Render

Humber Street Hull

Client: **Wykeland**
 Location: **Oresome Gallery, Humber Street, Hull.**
 Project: **Fruit market redevelopment scheme. Application of scan data to produce traditional topographical survey plans and elevations.**



Point Cloud

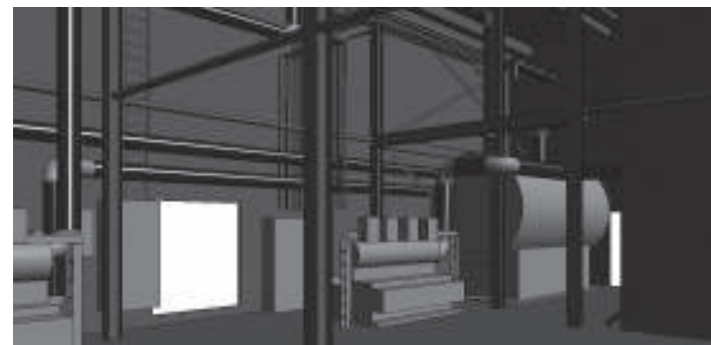


Existing Elevation - CAD

3D scanning and modelling



Britvic Factory - 3D Scan Image



Britvic Factory - Revit Model Export



Britvic Factory - Revit Model Render



Tickton Flyover - Point Cloud



Bridlington Town Hall - Point Cloud



St Cuthberts Church - Point Cloud



Restoration and conversion of the Bonding Warehouse in York for developers, Grantside.

We provide our clients with the **best value service** and will continue to develop and grow our business.
 We build on what we do well and **encourage innovation** to meet our clients' needs.
 We value the **skills and experience** of our staff and the contribution everyone makes to our business.

Mason Clark Associates was established in 1990 and has grown to become one of the leading multi-disciplinary practices in the Yorkshire and Humber region with coverage of the whole of the UK.

We tailor our service requirements to suit your individual needs, aiming to exceed your expectations through our imaginative practical solutions with our specialist qualified staff putting you, the Client, first. We know that delivering a project on time and within budget is of vital importance and we achieve this by assigning the appropriate expertise to your particular project.

Our offices in Hull, Leeds and York are able to provide a competitive professional service which is continually being upgraded and reviewed to meet the needs of all our Clients.

Our clients range from national companies, local authorities and major contractors to developers and private individuals. Our success is based on delivering schemes we and our Clients are proud of, in an efficient and cost effective way with our dedicated teams of experienced staff.