



## Design Engineer

### The Role:

The purpose of this role is to carry out detailed structural design and checking of temporary works and minor permanent works for civil engineering and to provide technical support to assist with operational activities.

### Key Responsibilities:

#### Technical design

- Prepare and check detailed technical designs (including calculations, drawings, risk assessments, design certificates)
- Undertake preliminary designs for pricing
- Obtain independent checks and/or third-party technical approvals (e.g. for rail works)
- Ensure design outputs meet CDM/health and safety/environmental compliance

#### Technical support

- Provide technical information/advice
- Propose and/or develop value-engineered alternative solutions (during design or construction phases)
- Undertake a technical review of method statements for complex or unusual methods
- Undertake a review of defects or compensation events and advise on solutions

#### Administrative support

- Assist with the approval of external suppliers
- Assist with the developing and maintaining processes, procedures and standards for technical design
- Obtain or provide pricing for estimating purposes

#### General responsibilities

- Liaise with clients/customers/suppliers/third parties as necessary
- Assist with promoting best practices internally
- Assist with promoting the Company to customers

### Key measures & targets:

- Deliver required services on time and to cost/quality standards
- Contribute wherever possible to enable the company to meet CDM/health & safety/environmental targets

### Key relationships:

- Design & Engineering team and other technical staff
- Project-based staff including Contracts Managers, Project Managers, Site Agents, Site Engineers
- Clients, suppliers and third parties



## Person Specification:

The successful candidate is likely to meet all of the following criteria:

### Essential

- Experience of 2-3 years within the structural engineering field, experience in the detailed design of structures either permanent or temporary works including the use of frame analysis software, structural design software and the use of CAD software for design purposes (not drafting)
- Ability to carry out calculations by hand or in software such as MathCAD
- Working knowledge of relevant industry specifications (Eurocodes, BS 5975 and other BS standards for structural design still used in the industry)
- Experience in structural engineering office carrying out design calculations, analysis and developing or following structural methodology
- Degree, or equivalent, in Structural Engineering
- Thorough knowledge of structural principles
- Knowledge of construction processes, methods etc
- Good team worker and able to coach others but also able to exercise own judgement and work independently and manage own time/tasks
- Effective communicator and able to assert own view
- Ability to identify structural suitability, critical load cases

### Desirable

- A mix of site and design office experience
- Incorporated/Chartered membership, or equivalent, with a relevant professional institution (or en route to achieving such a qualification)
- Current relevant CSCS card

## Benefits:

As well as offering a competitive salary, remuneration for this role includes flexible benefits, which provides a range of guaranteed benefits including but not limited to:

- 5% Company pension contribution
- Life Assurance at 2 x notional salary
- Single persons private medical cover
- Permanent Health Cover

## About Barhale:

Barhale is one of the largest privately-owned civil engineering and infrastructure specialists with 40 years of experience working UK-wide across the water, transport, built environment and energy sectors. Founded by our Chairman, Dennis Curran in 1980, the group was originally set up as a specialist tunnelling contractor. Whilst we retain our tunnelling roots, repeated success in several sectors of the construction industry has enabled us to expand our skillset and become one of the largest privately-owned infrastructure specialists in the UK.

# come and work with us



## What we do

We provide design, construction and maintenance services to the following sectors;

- Water
- Transport
- Energy
- Built Environment

We also possess a range of specialist skills to support our civil engineering and infrastructure activities including

- Tunnelling
- MEICA capabilities
- In-house design
- A steel-fabrication and supply subsidiary (BCS Group)

## Who we are

Barhale operates as a tier 1 partner for blue-chip, regulated and private clients. We work as part of large frameworks, joint ventures and alliances, as well as on individual projects developing long-standing relationships based on Trust, Integrity and Pride.

## Our People

We employ a direct workforce of over 800 employees nationwide. We recognise that our business is only as good as the people we employ, which is why we value them so highly and invest in regular training and development, utilising our dedicated training facility in Walsall.

## How to apply:

[careers@barhale.co.uk](mailto:careers@barhale.co.uk)

We are an equal opportunities employer. We are determined that no job applicant or employee receives less favourable treatment on the grounds of sex, pregnancy or maternity, gender reassignment, sexual orientation, religion or belief, marriage or civil partnership, age, race or disability. All information will remain confidential to Barhale and will be handled following the requirements of the Data Protection Act.