

# come and work with us



## Electrical Design Engineer (Water sector)

### The Role:

Here within the @one Alliance we are a totally collaborative organisation made up of our seven partner companies (Anglian Water, Balfour Beatty, Barhale, MMB, MWH Treatment, Skanska and SWECO) and our extended supply chain, delivering over half of Anglian Water's capital investment programme.

We are heading into our latest Asset Management Period, known as AMP 7 and this will see us deliver a £2bn programme of work over the next five years. Are you ready to join us as we gear up to deliver the most exciting and innovative AMP we have ever seen? As an Electrical Design Engineer you will be involved in problem solving across the clients asset base, from analytical sensors to high voltage motors. The diversity of electrical assets is exceptional and every day you will have a new challenge. You will use your technical electrical knowledge, mathematical and design skills to create innovative solutions to problems across this diverse range of water sector assets. You will specify and design solutions for new and existing challenges, manage supply chain companies, and shape the clients future.

To succeed you will need to have a strong technical knowledge, as well as problem solving, communication, leadership and project management skills. Flexibility is essential as the challenges faced require compromise and creativity.

You will need to take pride in providing a high quality service and adopt a caring approach towards people and our environment.

### Key Responsibilities:

- Liaise with clients to identify their requirements.
- Assist in the development of new electrical standards for clients and Barhale.
- Investigate and undertake analysis on how to improve existing assets and undertake complex calculations in your field.
- Summarise scientific and engineering principles in an easy to understand manner and write technical reports to summarise findings.
- Cover the concept, specification, tender and development of new projects.
- Use CAD systems to design and specify projects.
- Identify new systems and processes to drive quality, efficiency and save costs.
- Communicate effectively with the clients, colleagues and contractors involved in a project.
- Plan effectively to ensure projects are delivered on time, to standard and to budget.
- Apply the principles of prevention to produce safe solutions.

### Key measures & targets:

- Produce Electrical Designs that are safe, buildable, to time and budget.
- Work to contract specific KPI's.

### Key relationships:

- Design Engineers
- Design Manager
- Project Engineers, Delivery Electricians, Clients, and supply chain.

# come and work with us



## Person Specification:

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

### Essential

Have a degree/HNC in electrical engineering.  
Electricians CSCS (Gold Card Preferred)  
Testing and Inspection 2391 or 2394/2395  
Auto Cad and Design experience  
Amtech  
Competent with panel drawings  
Subject specific technical knowledge and expertise.  
An eye for detail and a methodical work process.  
Time management, organisation, and the ability to work to deadlines.  
Analytical and numeracy skills

### Desirable

Compex  
Water Industry Experience  
IT and specialist design package knowledge

## 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:

- Company Car/Car Allowance
- 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 infrastructure specialists in the UK and was originally formed in 1980 as a specialist tunnelling contractor diversifying over the years into various civil engineering areas. Barhale works UK-wide across the water, transport, energy and developer services sectors providing design, construction and maintenance services under long-term contracts, with blue-chip public, regulated and private clients. The company employs over 600 people in the UK, has an annual turnover of £120m and a distinctive set of values that are fundamental to our approach to business sustainability.

Our business activity is carried out for the following principal sectors:

**Water:** Civil Engineering, Tunnelling, Pipelines and Utilities

**Transport:** Rail, Aviation, Waterways, Highways and Bridges

**Energy:** Power Generation, Power Transmission and Distribution, Waste

**Developer Services:** Civil Engineering across private sector developers UK wide

**Specialist Businesses:** Tunnelling, Mechanical and Electrical and Barhale Construction Services (BCS Group)

# come and work with us

The Barhale logo consists of a yellow square with a white circle inside, followed by the word "Barhale" in a bold, white, sans-serif font. The background of the top section of the page is a photograph of two construction workers in orange high-visibility gear and white hard hats, standing on a metal structure against a blue sky with white clouds. One worker's jacket has "Barhale" and "BE SAFE" printed on it.

## **How to apply:**

Please send your current CV and covering email outlining your suitability for the role and quoting the reference number to [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 re-assignment, sexual orientation, religion or belief, marriage or civil partnership, age, race or disability. All information will remain confidential to Barhale and will be handled in accordance with the requirements of the Data Protection Act.