

# come and work with us



Job title	<b>Electrical Design Engineer &amp; Electrical Authorised Person</b>
Reports to	<b>Senior Electrical Manager and Authorising Engineer Electrical Engineer</b>
Department/Business stream	<b>Eastern Region - Electrical Team</b>

## **Main purpose of the role:**

As an Electrical Design Engineer you will be involved in problem solving across the clients asset base, all aspects of LV design including control and cable calculations, 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 solution to problems across this diverse range of water sector assets.

Specify and design solutions for new and existing challenges, manage supply chain companies, and shape the clients future.

## **Main duties and responsibilities**

### ***Key Accountability and 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 using Amtech Pro-design.
- Summaries scientific and engineering principles in an easy to understand manner and write technical reports to summaries 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.
- Being an Authorised electrical person overseeing and issuing of permits for electrical work

### ***Collaborative Working***

- Build collaborative relations externally with the Clients
- Technically assisting electricians to deliver projects
- Flexibility is essential as the challenges faced require compromise and creativity.

### ***Audit and governance***

- Comply with the governance as set out by Barhale

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**Barhale**

<b>Key measures &amp; targets</b> <ul style="list-style-type: none"> <li>• Produce Electrical Designs that are safe, buildable, to time and budget.</li> <li>• Work to contract specific KPI's.</li> </ul>	<b>Key relationships</b> <ul style="list-style-type: none"> <li>• Design Engineers</li> <li>• Design Manager</li> <li>• Project Engineers, Delivery Electricians, Clients, and supply chain.</li> </ul>
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## Person specification

Criteria	Requirement	Essential & Desirable
Knowledge & experience	• Subject specific technical knowledge and expertise	E
	• Auto CAD and Design experience	E
	• Competent with Panel Drawings	D
Skills & Qualifications	• HNC in Electrical Engineering	E
	• Electricians CSCS (Gold Card)	D
	• Testing and Inspection 2391 or 2394/2395	D
	• Amtech Pro-design	E
Personal Qualities	• A good eye for detail	E
	• Methodical approach to work	E
	• Good Time Management Skills able to work to tight dead lines	E

## How to apply:

Please send your current CV and covering email outlining your suitability for the role and quoting the position 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.