

Job Description

Job title	Mechanical Installation Engineer	Date March 2026
Reports to (title)	Project Manager	
Contract/Department	Data Centres	Revision
Location	National	

Job purpose

Describe the overall purpose of the job in two or three sentences.

- To Install Critical infrastructure systems to EUK high standards and within scope and budgetary confinements
- Be responsible for the fabrication, installation, maintenance, and repair of pipework systems in various industrial and data centre environments.

Duties/responsibilities/accountabilities/deliverables

List the main aspects of the job, with an emphasis on duties and responsibilities for junior roles, and accountabilities and deliverables for more senior roles.

- Plan, lay out, and install pipework systems according to technical drawings and P&IDs.
- Measure, cut, thread, and bend pipe to the required shape using hand and power tools.
- Fabricate and assemble pipe spools and supports from technical drawings.
- Join pipes and fittings using various techniques, including welding (TIG, MIG), brazing, soldering, and flanged connections.
- Install and secure pipes, fittings, valves, and related equipment to structures using brackets, clamps, and hangers.
- Conduct pressure tests (hydrostatic or pneumatic) to ensure system integrity and leak-free operation.
- Perform routine maintenance, troubleshooting, and repairs on existing piping systems.
- Work with a variety of pipe materials including stainless steel, carbon steel, copper, and various plastics (e.g., ABS, PVC).
- Responsible for ensuring that installations are of a high standard and in accordance to regulatory and legislative guidelines
- At times support the project manager with site attendances and surveys in the development of new schemes with EUK personnel and subcontractor in preparation for cost and bid submission.
- Responsible for managing the interfaces of the project with the customer and at site level.
- Responsible to ensure that all project documentation is maintained and updated to ensure accurate compilation of O&M and commissioning documentation.

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- Responsible for the coordination and liaison with customer representatives required during Commissioning
- To work closely with the Project Manager to ensure that progress and general activities are clearly communicated and understood
- Responsible for the undertaking and recording of site-based witness testing

Resource responsibilities

Indicate the typical number of direct reports, financial responsibility, control over subcontractors and any responsibility for assets, systems or outsourced services.

N/A

Person specification

Describe the knowledge, skills, qualifications, personality and experience required for the job.

- Collaborate effectively with other tradespeople, site supervisors, and project managers to ensure projects are completed on schedule and to specification.
- Attention to detail, high standard of workmanship
- A recognised apprenticeship and/or an NVQ/SVQ Level 3 or City & Guilds qualification in Pipefitting, Welding, or a related mechanical engineering discipline
- Proven experience working as a Mechanical Pipe Fitter in an industrial, process, or heavy commercial environment.
- Proficiency in reading and interpreting isometric and P&ID drawings.
- A valid CSCS (Construction Skills Certification Scheme) card is mandatory.
- Strong knowledge of different pipe materials, joining methods, and fitting types.
- A meticulous and quality-focused approach to work with a keen eye for detail.
- Excellent problem-solving skills and the ability to work independently or as part of a team.

Other factors relevant to the job

Enter any additional information which the job holder would need to know, for example: requirement for UK-wide travel, shift patterns, night working, call outs etc.

Job Description

UK wide travel will be required.
 Must hold a valid UK Driving Licence.
 Required to wear corporate PPE.
 To have a professional approach to work alongside our prestige customer/s.

Line Manager Signature	
Print Name	
Date	

Job Holder Signature	
Print Name	
Date	

<i>FOR HR USE ONLY:</i>					
<i>Job Grade</i>		<i>EMCOR Competency Level</i>		<i>Training Profile UTC</i>	