

Job Description

Job title	Technical Applications Engineer	Date May 2025
Reports to (title)	Technical Manager – Power Resilience	
Contract/Department	Data Centres	Revision xxx
Location	Barnsley	

Job purpose

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

To provide technical support in the review and production of technical and proposal documentation, from initial design through to project completion, supporting the successful delivery of power resilience projects in accordance with regulatory requirements and good practice guidelines.

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.

- Provide technical guidance and support in the specification, design, and integration of generator systems within data centre projects.
- Analyse project requirements to determine appropriate generator sizing and recommend solutions that meet client specifications, industry standards, and operational needs.
- Evaluate technical proposals for standby power system designs and supplier submissions, ensuring alignment with project requirements, regulatory guidelines, and industry best practices.
- Provide technical assistance throughout the lifecycle of installation and commissioning phases, ensuring the project meets client objectives and quality expectations.
- Assist in the creation of detailed technical documentation for standby power systems (e.g., generators, UPS systems), including design specifications, commissioning procedures, and test results.
- Support the continued growth and development of EMCOR UK's Technical & Design team through collaboration, knowledge sharing, and innovative problem-solving.
- Assist the commercial and account management teams in producing bid submission documentation, addressing both technical and commercial elements in line with client specifications.
- Coordinate with internal stakeholders to review discrepancies, recommend improvements, and liaise with third-party suppliers to clarify or obtain additional information.

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- Stay up to date with emerging technologies, regulations, and best practices related to power resilience and critical infrastructure.
- Participate in design reviews, risk assessments, and value engineering exercises to optimise system performance and project outcomes.

Resource responsibilities

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

- Possess in-depth knowledge and understanding of commercial and industrial standby/resilient power systems.
- Awareness of critical and mission-critical environments is preferred.
- Ensure that all submitted designs meet the performance, safety, and operational requirements outlined in the project scope.
- Recommend corrective actions or modifications to third-party designs where necessary to meet project objectives and mitigate potential risks.
- Provide clear, concise feedback and justifications when reviewing third-party submissions, including recommendations for design approval or rejection.
- Maintain comprehensive records of all reviewed submissions, including vendor correspondence, approvals, and any agreed modifications or revisions.

Person specification

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

- Strong organisational skills with the ability to manage multiple projects and priorities effectively
- Proven experience working on CDM (Construction Design and Management) projects within construction and building services
- High attention to detail and a proactive approach to problem-solving
- Well-developed interpersonal and communication skills, with the ability to collaborate across multidisciplinary teams
- Commercial awareness and understanding of project cost and value drivers
- Excellent analytical skills and a solutions-focused mindset
- Full UK driving licence – essential
- Valid CSCS card holder
- Experience with AutoCAD preferred, but not essential.

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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.

The role will predominantly be office based but may require UK wide travel from time to time.

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>	