



**Accountabilities**

- In accordance with the TM RACI, ensure project deliverables meet the agreed standards & quality and deliver the benefits by design strategies as defined by the TM.
- Be responsible for the production of technical deliverables required in the Stand Alone Process, these include, but are not limited to: - Technical schedules and data sheets. - Engineering calculations (cable calculations, load schedules, RICS calculations, etc.). - Particular specifications for engineering sub contracts. - Working closely with the supply chain and performing technical bid analysis of their designs.
- Support the Electrical Discipline Head in the drive towards excellence in H&S, demonstrating applied knowledge & skills to produce safe designs to discharge your obligation according to CDM Regulations, standards and accepted codes of practice.
- Support regular design & discipline meetings, participate in sharing cross-discipline information, supporting the Benefit by Design and Industrialised Construction initiatives.
- Ensure all technical work is undertaken to correct standards & specifications. Ensure requirements of MAS are adhered to & offer challenge when applicable.
- Be responsible for maintaining your own quality and consistency of all Electrical Engineering technical documents.
- Work with the relevant Senior Engineer/Peers and/or the Discipline Head to ensure that all technical deliverables are properly checked & approved.
- Communicate effectively at all relevant levels to ensure that the need to deliver technical excellence is understood and implemented. Escalate issues that may impact on time/cost/quality to the Technical Manager before they become problems or exceed agreed timescales.
- Maintain close links with other Engineers & the Discipline Head to ensure smooth interfaces between disciplines, manage gaps/overlaps & share best practice. Liaise closely with Technical Managers within the programme area to provide technical guidance & explore opportunities for out-performance from technical innovation.
- Provide and maintain an estimate for design works needed to deliver the precast design.
- Ensure that the design delivery is matched to the project programme and every effort is assured to ensure DOT.

**Role Summary**

- Extensive knowledge of the following; - Water and Waste Water treatment processes; - Full understanding of electrical engineering conceptual design and optioneering; - Full understanding of electrical detailed design.
- Assist relevant members of the Alliance with; - The electrical elements of standard designs & products to aid repeatability within designs, supporting the Benefits by Design initiative; - Supporting the Electrical Engineering Team & supply chain’s journey to move to BIM/PLM delivery for all projects; - Reviews of associated supply chain capability relating to Electrical engineering; - The Electrical engineering elements of establishing new frameworks & best in class agreements with the supply chain; - The development & improvement of electrical engineering design processes & procedures to ensure design quality, consistency & repeatability; - Support efficient out-sourcing and off-shoring to expand our technical capability, improve design efficiency and manage peaks in workload; - Knowledge, understanding & implications of Anglian Waters Minimum Asset Standard (MAS).

**Deliverables**

- Be responsible for the production of templates for technical deliverables required in the Stand Alone Process, these include: - Electrical engineering schedules & data sheets. - Engineering calculations (cable sizing calculations, load schedules, carbon calculations, TOTEX calculations, etc.). - Particular specifications for electrical engineering sub contracts, input to control philosophy. - Electrical sub-contract & technical bid analysis. - Sub-contractor design review where required. - Assist whenever needed to the completion of as-built records for O&M production.

**Leadership**

Team	Collaboration	Judgement & Decision making	Prioritisation & Planning
Integration	Communication	Responsibility & Ownership	Challenge & Personal Development

**Functional Reports**

NONE

**Delivery Reports**

NONE