

100810-ELE-5DE-E-2007
Senior Electrical Engineer / Interface Manager

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 13 years of exemplary service in diverse electrical design and railways roles. Participates in various electrical mega projects and responsible for preparing project documents, developing design, meeting client requirements, implementing project procedures.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 15/06/1985
Gender : Male
Marital Status : Married
Residence : Cairo

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Banha University, 2007

LANGUAGES

Arabic : Native Language
English : Fluent

COMPUTER SKILLS

: Windows, MS Office, Internet
: AUTOCAD, DIALUX, ETAP

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Oct. 2019 till Jun. 2020
Employer : Alstom Transport
Project : Riyadh Metro L4, 5 & 6 (Saudi Arabia)
Job title : Interface Manager, System Engineering
Job Description :

- Managing integration and interfaces as per the Contractual Requirements, Project Specifications, Project Schedules and TSY processes.
- Managing the Civil Works Interface / Integration team and ensuring the proper development and relevant training to the staff.
- Defining and maintaining the Interface Management Plan and Interface Matrix with regards to Civil Works Interface.
- Supervising the Interface Control Documents (ICDs) definition, production and validation.

- Organizing and monitoring the consistency of the interfaces relevant to CW.
- Attending and arranging meetings to facilitate the agreement between interfacing parties.
- Arbitrating the interface issues at design stage.
- Supporting the resolution of interface issues at installation stage, especially through site walkthroughs whenever is required.
- Responding to the Field Observation Deviations (FOD) and Field Design Changes (FDC) that are escalated to the CWI team.
- Coordinating design integration activities between the various railway disciplines and suggesting solutions to system integration issues.
- Performing multi-disciplinary analysis of system designs to support integration compliance to specifications and standards.
- Reviewing workflows from entities in due time.
- Organizing technical presentations whenever is required.
- Maintaining the TSY Shop Drawings Register by collecting the inputs from the Sub-Systems and ensuring the validation are obtained in due time.
- Ensuring the Installation Release Notices (IRN) and Installation Acceptance Tests (IAT) are containing the relevant clearances from the integrated System design point of view.
- Liaising with the Testing and Commissioning team at key stages of interface development to meet testing requirements.
- Reviewing the integration testing procedures.
- Supporting the V&V team.
- Maintaining the As-Built Drawings Register and establishing the relationship with the Completion Files.
- Reviewing Operation & Maintenance (O&M) Manuals from a technical perspective whenever is applicable.
- Providing all technical information for the drafting of letters towards the Consortium partners in case of conflicts.
- Assessing technically any Change Request (CHR) relevant to CWI.
- Escalating the major technical risks and issues to the Deputy PrEM.
- Establishing the Return on Experience (REX).

Dates	:	From Nov. 2017 till Sep. 2019
Employer	:	Alstom Transport
Project	:	Riyadh Metro (Saudi Arabia)
Job title	:	Senior Interface Engineer, System Engineering
Job Description	:	<ul style="list-style-type: none"> • Leading interfaces as per the Contractual Requirements, Project Specifications, Project Schedules and TSY processes. • Creating the Interface Control Documents (ICDs) definition, production and validation. • Attending and arranging meetings to facilitate the agreement between interfacing parties. • Arbitrating the interface issues at design stage. • Providing the resolution of interface issues at installation stage, especially through site walkthroughs whenever is required. • Coordinating design integration activities between the various railway disciplines and suggesting solutions to system integration issues.

- Organizing technical presentations whenever is required.
- Providing all technical information for the drafting of letters towards the Consortium partners in case of conflicts.
- Assessing technically any Change Request (CHR) relevant to CWI.
- Performing multi-disciplinary analysis of system designs to support integration compliance to specifications and standards.
- Ensure technical consistency and alignment with other System & Product Design teams throughout the development.
- Develop typical applications of the system for validation purposes and manage design feedback from verification and validation team.
- Focus on technical process but strive to balance technical concerns with the program pressure deriving from cost & schedule. Minimize, by design, the System deployment cost, lead time and risk.
- Prepare and participate to design reviews.
- Ensure assumptions are raised to ensure the interface decisions are recorded and controlled.
- Management and control of railway systems interfaces to civils / rolling stock / stations / operations and maintenance strategy from the Area Civils teams as to their priorities for design development.
- Work with design consultants either directly or indirectly contracted by discipline heads to develop sufficient design information to define these interfaces between packages.

Dates : From Jan. 2011 till Oct. 2017

Employer : Saudi Bin Laden Group, Makkah (Saudi Arabia)

Job title : Senior Electrical Technical Engineer

Job Description :

- Performed professional engineering work in the planning, design, construction, operation and maintenance of electrical distribution systems.
- Oversee the development of standards and performed engineering analysis to the distribution networks and substations.
- Established design guidelines and assisted customers with resolving power quality issues.
- Prepare the project report.
- Design review and re-design.
- Performed engineering analysis to optimize performance of electric distribution systems.
- Developed and updated planning studies and maintained master plans for utility improvements.
- Review of tender document including the scope of work, specifications, value engineering, tender bulletins, bill of quantities, technical offer, technical clarification, and list of deviation to the specification, list of deviation to the scope of work.
- Reviewed submitted engineering designs for conformance with adopted master plans.
- Established engineering design guidelines for staff.

Dates : From May 2008 till Dec. 2010

Employer : KEM-Crown Home (E/M Design Office), Cairo

Job title : Electrical Design & Shop Drawings Engineer
Job Description :

- Design and shop drawing of Low Voltage distribution networks and the other electrical works buildings.
- Helped with the development of technical standards and development of one-lines for electrical systems.
- Participated in field activities such as observation of construction activities.
- Checked manufacturer's wiring drawings, one-line diagrams, schematics, and data sheets.
- Prepared basic engineering calculations and drawings.
- Provided draft equipment specifications for major electrical equipment.
- Performed bid evaluations.
- Review & Technical Coordination for Electro mechanic systems.
- Served as a Field Engineer assisting construction personnel in reviewing field installations of electrical systems.

Dates : From Oct. 2007 till Apr. 2008
Employer : Heliopolis Hospital, Cairo
Job title : Maintenance Engineer
Job Description : Maintenance Engineer for electrical systems.

Mega Projects:

- Riyadh Metro Package 3 (Line 4, 5 & 6).
- The Project of the Custodian of two Holy Mosques King Abdullah Bin Abd Al-Aziz for MATAF Extension (Increasing MATAF Capacity IMC).
- KSU - King Saudi University in Riyadh.
- KAFD - King Abdullah Financial District, KSA.