

## CURRICULUM VITAE

### MOHAMMED MAZHAR

#### Sr. Electrical Engineer (LV/ELV)

Location: Riyadh, Saudi Arabia

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Nationality: Indian

Language: English, Urdu & Hindi

Driving License: Available

Visa: Transferable Iqama.



#### PROFESSIONAL SUMMARY:

Highly accomplished Electrical & ELV Engineer with over 16 years of experience delivering successful outcomes on iconic projects including Riyadh metro, Bahrain international airport.

I specialized in Project Management Consulting and construction Engineering with a strong focus on the design, Installation and testing & Commissioning of Electrical & ELV systems. I excel in managing complex technical and operational challenges, driving innovation and implementing best practices to ensure excellence.

#### PROFESSIONAL AFFILIATIONS:

Registered Electrical Engineer, Saudi Council of Engineers (Kingdom of Saudi Arabia)

Membership Number : **151705**

Registered Electrical Engineer, Kingdom of Bahrain (CRPEP)

Registration Number : **EPP/C4115/EL/01-C**

#### EDUCATION:

- Bachelor of Engineering (B.E) in **Electrical and Electronics** from Visvesvaraya Technological University (VTU), Belgaum, Karnataka, India completed in 2008 and obtained **First Class with Distinction (FCD)**.

#### SKILLS:

LV & ELV Inspections	LV & ELV Systems Installations	Testing & Commissioning
Site Supervision	Electrical Design	Team Leadership
Electrical Codes & Standards	Quality Assurance & Control	Multi-tasking & Prioritization
Site Management	Communication & Analytical Skills	Creative Problem Solving
Auto CAD	MS Office (MS Word, Excel & PowerPoint)	Aconex

#### Key Experience to the project:

- Evaluated project requirements and prepared studies, drawings and specifications to support construction projects.
- Managed project delivery from inception to handover, ensuring alignment with timeframes, budgets, and quality requirements.
- Extensive expertise in Testing & Commissioning, ensuring all electrical services are thoroughly tested and verified.
- Implements HSE policies and Safe work procedures across all construction sites.

## PROFESSIONAL EXPERIENCE:

### SYSTRA [Riyadh Metro Transit Consultants (RMTc)]

#### MEP Engineer - Electrical

*Riyadh Metro, Red line (Line 2), Kingdom of Saudi Arabia | Nov 2022 – Present*

Client: Royal Commission for Riyadh city (RCRC).

- Conduct regular site inspections to monitor progress, identify potential issues, and ensure compliance with project specifications, quality standards, and safety regulations.
- Review and approve Electrical & ELV shop drawings, material submittals and method statements submitted by contractors and subcontractors.
- Coordinate with other disciplines, such as civil, mechanical, and architectural, to ensure integration and coordination of Electrical works with overall project requirements.
- Conducted inspections for Electrical and ELV systems with the contractor's representatives including work inspection, Material inspection and Factory Acceptance Tests (FAT) ensuring strict adherence to contract documentation, method of statements and standards (SBC, NEC, IEC, NFPA).
- Witness Testing & Commissioning of electrical systems including LV power supply, cables/wire, Bus duct, Lighting control system, Panel boards (MDB, SMDB, CBS, MCC, VFD, DBs), LUX, Thermal scanning of panels, Earth fault loop impedance & Residual Current Device Test, Earthing & lightning protection, Tunnel Ventilation, Fire Alarm system, FM200, BMS, Fiber optic cables and more.
- Review and witness SCADA alarms, BMS operations and integration with MEP and life safety systems. Oversee commissioning of HVAC, fire life safety and plumbing systems ensuring functionality of chillers, pumps, AHUs and fire pumps.
- Resolve technical issues, discrepancies, and conflicts related to electrical design and construction activities, and provide timely solutions to keep the project on track.
- Diligently raise Non-Conformance Reports (NCRs) if contractor work deviates from specifications or approved drawings.
- Review and validate contractor System test report (STRs) documents after finishing all testing at site.
- Review and certify Monthly invoice direct work progress (MDWP).
- Follow up and monitor contractor activities on-site to ensure timely closure of punch list items, onsite issues, DWL and SDWL to handover the project.

## PREVIOUS EXPERIENCE:

Company	Tenure
<b>ARAIL Construction &amp; Industrial Co, Saudi Arabia (Electrical T&amp;C Engineer)</b> <b>Project:</b> - Diriyah Gate Phase 1, Bujairi Terraces (F&B)	Jan 2022 – Nov 2022
<b>Alpha Electrical Contractors, India (Sr. Electrical Engineer)</b> <b>Project:</b> - Delhi Metro, Phase 4, Magenta line, India	Jan 2019 – Dec 2021
<b>Bluescape Construction Co. WLL, Bahrain (QC Electrical Engineer)</b> <b>Project:</b> - Bahrain International Airport and Car parking	Dec 2015 – Jan 2019
<b>Manazel Construction Company, Saudi Arabia (Electrical Engineer)</b> <b>Project:</b> - Female Faculty of Medicine, Dammam University	Sep 2013 - Sep 2015
<b>Sayed Kadhém Al Durazi &amp; Sons B.S.C. @, Bahrain (Electrical Engineer)</b> <b>Project:</b> - Housing Rehabilitation & Renovation Program (Construction of 1000 Villas)	Sep 2010 - June 2013
<b>M/s Multi channel technical services Pvt ltd, India (Electrical Site Engineer)</b> <b>Project:</b> - Expansion of Rajiv Gandhi Bhavan at Safdarjung Airport (G+3+2 Basements)	Jul 2008 - June 2010

## Responsibilities:

- Designed and developed Electrical systems including load scheduling, transformer & DG selection, cable size calculation, Circuit breaker selection, short circuit calculation and voltage drop analysis to ensure reliability and safety of electrical system.
- Supervised Electrical & ELV systems including transformers, RMUs, MDBs, EMDBs, SMDBs, UPS, bus duct, lighting control, CBS, earthing, fire alarm systems, CCTV, Master clock, PAS, Access control and structured cable etc. installation activities ensure compliance with project specification and code (IEC, NEC, NFPA) and local regulation.
- Conducted Testing & Commissioning of wide range of Electrical & ELV systems including cables, bus ducts, Panel boards, Generator, Thermal scanning of Panels, Earthing & Lightning protection, Indoor lighting (Normal & Emergency), LUX level, wiring devices, Central battery system, Fire Alarm system, FM200, CCTV, public address system, Structured cables and more.
- Handled and maintained all tender documents, drawings, and associated revisions.
- Coordinate and perform Blackout testing using the Cause-and-Effect matrix to ensure systems respond correctly during failure scenarios.
- Prepare sites for Civil Defense approval, ensuring compliance with fire safety standards, and integrate third-party fire alarm systems with components such as tamper switches, flow switches, dampers, car park ventilation systems and more.
- Supervised the integration of fire and life safety systems, ensuring seamless functionality and compliance with relevant codes and standards.
- Verify BMS integration with HVAC, Lighting control and Fire alarm systems for seamless operation.
- Evaluate and assesses manpower, equipment, and materials.
- Coordinating effectively with the project team to ensure work progresses as planned, meets quality standards, and is delivered on schedule.
- Report any potential safety concerns identified on-site to the project engineer for corrective action, as well as to the Project Manager and HSE team.
- Reviewed and certified monthly invoices for subcontractors.