

MOHAMMED ABDUL MUQTADER

Electrical Engineer, Mobile: (+966) 0579553457

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Total Work Experience – 15 Years

Summary of Work Experience: An electrical engineer with impressive leadership and excellent presentation skills, with deep knowledge in the fields of design, engineering drawing, and material documentation using AutoCAD, REVIT, Dialux, and others, with a total of 15 years of work experience. She has worked on projects in Saudi Arabia, the United Arab Emirates, Canada, the United Kingdom, and the United States of America. Projects she has worked on include commercial infrastructure projects, building and railway station projects, industrial projects, healthcare projects and hospital projects. With this knowledge and experience, I am now looking for a new job as a Senior Electrical Engineer to leverage my technical expertise, project management skills and international experience to contribute to innovative and efficient electrical solutions.

Educations and Qualifications

M.Sc. in Project Planning & Management from **University of Bradford, UK.** (2.2) Sept 2021

Masters Dissertation Work - A study on Critical Path Analysis and Planning by Project Managers

B. Tech in Electronics & Communications Engineering from **RITS College, JNTU, India.** (2.42/4) May 2008

Academic Project - MLLR Speech Recognition using MATLAB

Professional Associations: Member of IET, Member of PMI

Known Standards and Regulations:

SEC – SBC 401 CR (Saudi Electricity Law)

NFPA (National Fire Protection Association) and NEC (National Electrical Act)

SAEC (Saudi Aramco Engineering Standards)

British Standards BS7671:2018: A2:2022, OSG:BS7671:2018: A2:2022

and BSRIA BG6, HTM, HDM, RIBA and CDM stages.

Experience in Design Drawing for the below systems

Lighting, Lighting Control System, Cable Containment

LV Distribution System and Small Power Design

Distribution & Load Schedule

Low Current systems (ELV)

Fire Detection & Alarm System

Areas of Interest:

- Renewable Energy & Sustainability
- Electrical Transmission and Distribution
- Electrical Construction & Management Studies
- Project Management

Skill & Software Experience

- I. Electrical Design and Calculations for Building services
- II. AutoCAD, Revit, Amtech Designer suite Trimble V6.725, (Stabicad), DiaLux4.13, DiaLux EVO, Dalux, Drofus, MS Excel, MS Office, MS Project 2000, Project 365, Primavera P6, Bluebeam REVU pdf.

Notable Projects

- Electrical design works have been carried out in accordance with British and European building regulations and standards, as well as NEC standards, for projects such as Hillerød Hospital in Northern New Zealand, Denmark; Cambridge Children's Hospital in the UK; Haramain Express Rail Project; and HBX Nuclear Facility Building at Hinkley Point C.
railway station, fire station building, helipad, short-term and long-term parking, and a mosque project
- Responsible for the preparation of design drawings (DD) in accordance with the RIBA and BOQ stage for electrical projects, including sub-distribution schemes (SLDs), in accordance with the client's specifications and schematic design principles, and in accordance with the relevant design rules. Address technical issues and technical queries within the selected project and provide coordination
- He also designed executive drawings and electrical calculations, preparing load schedules and distribution designs. Determine the dimensions of cables, containers, diesel generators, and the CBS system, including the Building Management System (BMS) and special services such as fire alarms.
- Monitor project schedules. Managed a team of engineers and painters to prepare design drawings for electrical services.
- Attended follow-up meetings on the progress of the project. Attended the meetings of the MoU
- Attended Safety Programs and achieved Code of Conduct Certifications in the organization. Such as Health Safety & Orientation, Health & Safety Step back.

Employment History:

Ramboll Engineering Consultants, Leeds Office, UK

March 2022 to April 2025

Projects in the UK: Electrical Design Engineer

Working hours: 37.5 hours per week

I have worked on new and refurbishment construction projects in the UK and Denmark, where I have taken on electrical design requirements according to RIBA and EU standards, taking into account compliance with BS, BSRIA BG6, HTM-06-03 and EU HDM standards.

Projects Completed:

- Stratford Project 2025 to 2025 (1month): Military Storage Rooms and Office Building Project
- TFL Rail Project – 2025 to 2025 (month): Stage 0 RIBA stage project, gathering of information for Ruislip rail line buildings and concept design for refurbishment project for station buildings.
- Cambridge Children's Hospital –2024 to 2025 (4months): Stage 03 RIBA Small Power Design for the project follow-up and BOQ and following HTM's. Following through ADB Database information extract & Design and complete coordination with specialist engineers and MEP, Medical & Arch for final layouts for submission.
- North Zealand Hospital, Hillerød –2022 to 2024 (2.2years): Design LV for the project but not limited to small power design and follows project Review and project follow-up, TF follow up and response. LV and ELV design follow-up with Drofus and Dalux review and information extraction, including device fine placement and coordination with specialist engineers and the REC for IFC Layouts and updates.
- London Olympia – 2022: LV Design - Small Power & Lighting for School using Revit and Dialux 10
- LV Switch room 7 – 2022: Cable Tray and Conduit Design and Routing for the project
- Acton Depot – 2022: Lighting and Small power design for the Acton Car Park
- Barnsley civic Project – 2022: Small Power Design and Provided Design support of Stage 3 – Life Safety System, (Fire Alarm) services for this refurbishment project.
- One Welbeck Street – 2022: Stage1 MV, LV Design, Bus Bar Calculations
- Faryner's House – 2022: Stage1 MV, LV Design, Bus Bar Calculations
- Stephenson Memorial Hall – 2022: Lighting Design, Lighting calculations, product selection, provided design support and technical details on Dialux 10 and EVO during M & E Services support for Stage 3 and 4.

Krishna Global Consultancy, Senior Electrical Design Engineer – *India*

Sept 2019 to April 2020

Client: ATKINS – Member of SNC-LAVALIN Co.

Worked on outsourcing projects for UK and Middle East Projects such as

- Al Wakra Al Wukair STP Project, Qatar
- Southampton Cruise Terminal Project, UK
- Hinkley Point C– HBX Nuclear Facility Building, UK
- Ottawa Railway Station Project, Canada
- Qetaifan North Island Project, Aquatar Park, Qatar
- B01, B02 Residential Building's Dubai, George Hotel Dubai

REBCON Group, Electrical Design Engineer – *India*.

July 2016 to Aug 2019

Electrical Design Engineer, Worked on outsourcing projects for USA and Middle East Projects,

- One Park Project, New Jersey, USA
- Al Issa Endowment Project, Riyadh Saudi Arabia
- Jeddah Solvent factory, Jeddah, Saudi Arabia
- Mai Dubai Project (Amana Contracting & Steel Buildings) – Dubai, UAE. Designed Roof Top Solar System for 20MW Consumption.

ANEL KSA Company LLC., Electrical Design Engineer – *Saudi Arabia*

Jan 2014 to Mar 2016

Worked Site Design Engineer for projects,

- Haramain High-Speed Rail Station Project, Makkah Station-S1
- Al Rajhi Bank HQ Tower Project, Riyadh.

KG – MECH Electromechanical Pvt Ltd., Electrical Design Engineer – *India*

Nov 2012 to Oct 2013

Worked on Chaos Garden Residential and Commercial Projects.

Hochtief Madarij Project Devp Co., Electrical & Instrumentation Engineer– *Saudi Arabia* Oct 2010 to Nov 2012

Worked as Site Engineer for

1) Saudi Aramco E/W Pipeline Project (Nov 2010 to Feb 2012)

2) SOLB – South Steel Project – Jazan Economic City, Saudi Arabia. (Feb 2012 to Nov 2012).

- As a site engineer the duties performed are Electrical & Instrumentation installation and Communications system upgrade in the project following the IFC and as per the project specifications and standards and execute the project following the engineering duties to perform on site and maintain the project schedule and maintain QC activities.
- Review of IFC's drawings and action in compliance with standards and follow up technical queries, transmittal, and RFI's for systematic execution of job.
- ensure that the site is effectively working in compliance to the Saudi Aramco Quality System & Procedures.

Bharat Dynamics Ltd. (MoD) Graduate Electronics Engineer – *India*

Dec 2008 to Dec 2009

- Responsible to prepare QC Inspection sheets & relationship diagrams, and Fish-bone diagrams and perform technical tests and record the data and maintain QC Schedule and evaluate the documents.

Personal & Core Strengths:

Technical Writing, good grasping power and communication skills, hardworking and having Zeal for new Technologies.

References: Name and addresses of two referees are available on request.