

# MUHAMMAD HAMID

## ELECTRICAL ENGINEER

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Saudia Arabia

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## PROFESSIONAL SUMMARY

Electrical engineer with over 6 years of specialized experience in designing, installing, and commissioning large-scale electrical systems. Demonstrated expertise in KNX/DALI automation, fire alarm systems, Building Management Systems (BMS), and medium- and low-voltage electrical installations. Successfully led major projects, including the Rixos Marjana Jeddah, coordinating multidisciplinary teams to deliver safe and compliant commissioning processes aligned with international standards.

## PROJECTS

❖ Rixos Marjana Jeddah  2024 – 2025  Jeddah, KSA

Successfully completed major electrical installation works ahead of schedule while meeting all quality and safety standards.

❖ Grid-Tied Solar PV System (1 Mega Watt)  2021  Pakistan

Successfully completed the installation and commissioning of a 1 MW grid-tied solar PV system, achieving full operational efficiency.

## PROFESSIONAL EXPERIENCE

### Semol Construction (SML) – KSA Branch

Site Electrical Engineer | 2024 – 2025

- ❖ Execute and supervise electrical systems including KNX/DALI lighting automation, fire alarm, and PAVA systems.
- ❖ Handle termination and testing of sensors, DDC panels, and BMS system integration.
- ❖ Manage medium- and low-voltage cable works, including underground cable routing, laying, glanding, and termination.
- ❖ Oversee installation and testing of LV Busway systems, MDBs, SMDBs, and APFC panels.
- ❖ Install earthing and lightning protection systems as per project and safety standards.
- ❖ Perform testing of LV cables, earthing resistance, insulation resistance, and central battery systems for emergency lighting.
- ❖ Coordinate with third-party agencies for MV cable testing, MRMU works, and related commissioning activities. Monitor and follow up on subcontractor activities related to MV equipment termination (MRMU, switchgear, transformers).

## **Tamimi Contracting Electrical Panel Company – Riyadh, KSA**

*Electrical Engineer | 2021 – 2024*

- ❖ Led the design, calculation, and preparation of electrical layouts for LV and MV panels.
- ❖ Performed calculations for equipment sizing, voltage drop, and cable selection, ensuring compliance with safety standards.
- ❖ Successfully led the installation of medium- and low-voltage panels across various sites.

## **Sigma SHOES (PVT) LTD – Pakistan**

*Electrical Engineer (AM) | 2020-2021*

- ❖ Directed the engineering department, managing daily operations and ensuring seamless execution of electrical projects.
- ❖ Developed comprehensive electrical schematics and facility layout drawings to enhance system design and operational efficiency.
- ❖ Applied ISO 50001 energy management standards to improve energy performance and reduce power consumption.

## **ALI TRADING (PVT) LTD – Pakistan**

*Electrical Engineer | 2019 – 2020*

- ❖ Enhanced power factor by 25% through the revision of primary switchgear panels and replacement of faulty capacitors.
- ❖ Led electrical system troubleshooting efforts, reducing system errors and improving operational efficiency.
- ❖ Applied technical standards and best practices to improve task completion timelines.

## **National Transmission and Dispatch Company (NTDC)– Pakistan**

*Trainee Engineer | 2019*

- ❖ Collaborated with maintenance teams to test critical equipment, reducing the frequency of failures in grid stations.
- ❖ Managed the Statistical Analysis System (SAS) to oversee grid station operations, improving monitoring efficiency.

## **EDUCATION**

### **Bachelor of Science in Electrical Engineering | 2015 – 2020**

*University of Management and Technology, Lahore, Pakistan*

## **CERTIFICATIONS**

- ❖ **EPC – Planning Engineer**, The Skilled Age | 2023
- ❖ **Standard Procedure and Formula for Price Adjustment**, Pakistan Engineering Council | 2022
- ❖ **Risk Assessment and Management**, Pakistan Engineering Council | 2022
- ❖ **Time & Stress Management**, Pakistan Engineering Council | 2022
- ❖ **Construction Safety and Challenges –** Pakistan Engineering Council | 2022
- ❖ **Industrial Automation (PLC)**, Infinity School of Engineering | 2021

## **LANGUAGES**

- ❖ **English**
- ❖ **Urdu**
- ❖ **Arabic**