

Muhammad Dawood

ELV/Low Current Engineer

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📍 Riyadh, KSA

🛂 Iqama: "Transferable"

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Profile

Electrical Engineer with five years of experience specializing in ELV and ICT systems. Proven expertise in installation, testing and commissioning of a wide range of systems, including CCTV, Fire Alarm, Access Control, Data Networks, Public Address System, and Structured Cabling. Dedicated to applying technical knowledge and a collaborative mindset to drive project success, ensure quality outcomes, and exceed client expectations.

Education

B.Sc Electrical Engineering

University of Engineering & Technology, Peshawar, Pakistan

Projects

03/2024 – 02/2025	AL-Akaria Residential Compound Riyadh, KSA Client : AL-Akaria Consultant : AMO & Partners Engineering Position: Low Current Engineer Scope: Installation, Testing, Commissioning & Maintenance of ELV Systems, Structured Cabling
03/2023 – 01/2024	Jaquar Land Rover Academic Testing Workshop Dubai, UAE Client : Dubai Silicon Oasis Authority Consultant : Adnan Saffarini Position: ELV Engineer Scope: Inspection, Installation, Testing & Commissioning of ELV Systems, Structured Cabling
03/2021 – 02/2023	API Barsha Residential Tower Dubai, UAE Client : AL Ali Property Investment Consultant : Kling Consultant International Position: ELV Engineer Scope: Inspection, Installation, Testing & Commissioning of ELV Systems, Structured Cabling
05/2020 – 01/2021	Punjab Local Government Academy Lahore, Pakistan Client : Asian Development Bank Consultant : NESPAK Position: ELV & ICT Engineer Scope: Supply, Installation, Testing & Commissioning of ELV & ICT Systems, Structured Cabling

02/2020 – 04/2020

Sialkot Public Parks

Sialkot, Pakistan

Client : Punjab Intermediate Cities Improvement Investment Program (PICIIP)

Consultant : NESPAK

Position: ELV & ICT Engineer

Scope: Supply, Installation, Testing & Commissioning of CCTV, Structured Cabling

Professional Experience

03/2024 – 02/2025

Low Current Engineer

Riyadh, KSA

Tamear Saudi Real Estate Construction Company

Responsibilities:

- Reviewed project drawings, schematics, and technical documentation to ensure installation is in accordance with design.
- Installed ELV systems including CCTV of Hikvision, Access Control of ZKTeco, Telephone of Panasonic and Fire Alarm System of Honey Well according to project specifications.
- Ensured all work complies with safety regulations and industry standards.
- Performed testing, troubleshooting, and commissioning of ELV systems ensuring full system functionality.
- Conducted routine preventive maintenance of ELV systems and cabling infrastructure.

03/2021 – 01/2024

ELV Engineer

Dubai, UAE

MBM Gulf Electromechanical LLC

Responsibilities:

- Collaborated with project manager and other engineering disciplines to understand project scopes and objectives.
- Designed and validated ELV systems using AutoCAD; prepared reports with MS Office Suite.
- Prepared and implemented Installation Inspection and Test Plans (ITPs) for ELV systems to ensure compliance with project specifications.
- Collaborated with teams to ensure quality throughout construction phases.
- Developed project timelines, monitored progress, and ensured smooth integration of ELV systems with other building systems.
- Ensured compliance with applicable safety regulations and international industry standards, including FCC, CE, RoHS, NFPA, BS, EN, IEC, and ISO.
- Installed various ELV systems, including:
 - Closed Circuit Television (CCTV) – Pelco & Samsung
 - Fire Alarm Systems – Gent by Honey Well & Hochiki
 - Access Control Systems – Salto & ZKTeco
 - Public Address Systems – Bosch
 - Data Networks – H3C, Eltex & Huawei
- Performed detailed testing and effective commissioning of ELV systems, ensuring complete system functionality, reliability, and project compliance.
- Ensured clients received complete documentation (FAT, SAT, Type Test Report) upon project completion, including as built drawing, warranty details, system manuals and troubleshooting guides.

02/2020 – 01/2021

ELV & ICT Engineer

Lahore, Pakistan

Futurex EMC Engineering Private Limited

Responsibilities:

- Prepared technical and financial bidding documents.
- Assisted in the design and drafting of ELV Systems layouts and schematics diagram using AutoCAD and other relevant software.
- Ensured the timely delivery of materials and resources for ELV Systems installations.

- Installed various ELV systems, including:
 - Closed Circuit Television (CCTV) – Dahua
 - Fire Alarm Systems – Polon Alfa
 - Access Control Systems – Kade
 - Public Address Systems – Ecler
- Conducted tests and quality checks on materials and workmanship.
- Coordinated with the consultant for inspections and approvals.
- Prepared and presented progress reports, highlighting potential delays.
- Oversaw the testing and commissioning of ELV Systems, ensuring functionality and compliance with performance standards.

Skills

Microsoft Office (Excel, Word, PowerPoint)

— Expert

AutoCAD — Competent

Problem Solving & Analytical Thinking — Expert

All Windows Operating System — Expert

Quality Assurance & Compliance Standards

— Expert

Testing, Commissioning & Documentation

— Expert

Hands-on Experience with Key ELV Brands:

Dahua, Hikvision, Honey Well, Samsung, ZKTeco,
Bosch, H3C, Huawei, Eltex, Panasonic, Ecler

Languages

English — Fluent

Urdu — Native/Bilingual

Arabic — Basic