



# Ihtashan Tahir

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United Arab Emirates 

## Electrical Engineer- Building Projects | Operations & Maintenance | Site Inspection & Management

### ► PROFESSIONAL STATEMENT

A competent **Electrical Engineer** with **10 years** of diversified experience in handling **high-end building projects, Operations, Maintenance and Monitoring** with proficiency.

- ❖ Taking pride in managing some of the most exciting projects in the industry including residential & commercial buildings, data and business centers.
- ❖ Success of handling multi scale projects from scratch till handover including planning, design, execution, monitoring control and successful handover.
- ❖ Lead engineer on design, implementation, execution and real-world troubleshooting of MEP & Electrical systems for a variety of projects including consultancy, contracting, maintenance and real estate.
- ❖ Highly accorded for a flexible approach and technical superiority in diverse projects of varying complexity and scale.
- ❖ Exercising technical and commercial judgment for improvements in corporate facilities management, construction, design, site installation inspection, testing and commissioning and handover.

### ► WORK EXPERIENCE

#### Electrical Engineer | Building Project Engineer

 Sept 2019 – Present

##### Etisalat , Abu Dhabi, UAE

*The company managing Telecommunication facilities in term of new construction of buildings, Data Centers Facility, Power upgradation and Maintenance.*

##### Key Responsibilities:

- ❖ Overall responsibility of managing building project works from developing, reviewing technical drawings for Electrical & MEP systems including LV Switch gears, ELV systems, UPS, Fire protection/suppression system, Lighting, load computation, cable selection, battery calculation, fuel system in alignment with project requirement.
- ❖ Analyzing project commencement plan and contributing to inspection & management by performing inspections based on site codes; DEWA, ADWEA, SEWA, OEC, BS, IEC.
- ❖ Examine plans and specifications of new construction to determine compliance with the provisions of applicable electrical codes, ordinances and regulations.
- ❖ Establishing relationship with clients, vendors, suppliers, other professionals.
- ❖ Participating in conferencing, events, and networking and learning opportunities.
- ❖ Instrumental in delivering next-generation solutions in design, construction, commissioning of Building project, Power up-gradation and maintenance project.
- ❖ Success in systematizing maintenance, engineering process and providing advocacy in technical aspects during engineering design (AutoCAD), building design, layouts as well as project detailing, scheduling and resource utilization including material.
- ❖ Inspect the work done by the contractor(s) to ascertain that work is executed in accordance with the Contract Documents and accepted practice.
- ❖ Inspect the on-site and off-site materials to be used in the project and laboratory tests, conducted by others, on construction materials to ascertain their compliance with the specifications and determine its acceptability for use on the project.

#### Site Supervisor

Oct 2015 – Aug 2019

##### Arenco Real Estate, Dubai, UAE

*The company is a part of AA Al Moosa Enterprise with business interests in Architecture, Engineering Consultancy and Real Estate.*

##### Key Responsibilities:

- ❖ Lead site activities for new projects and maintenance responsibilities for constructed commercial and residential buildings
- ❖ Directed a support project team encompassing sub-contractors, engineering team, during the entire project lifecycle and ensured project completions as per defined schedule.

### EDUCATION

- ❖ Bachelor of Science (B.Sc.), Electrical Engineering | Cecos University of Information Technology and Emerging Sciences, Peshawar (2008)

### CORE AREAS OF EXPERTISE

- ❖ Electrical & Mech Projects Execution
- ❖ Site Installation/ Inspections
- ❖ Testing & Commissioning
- ❖ MEP Design Validation
- ❖ Decision Making/Support
- ❖ LV Switchgear System
- ❖ Fire Protection System
- ❖ UPS Systems & DC Rectifiers
- ❖ Electrical Systems Modification
- ❖ Resource Optimization
- ❖ Engineering Calculations
- ❖ Technical Understanding
- ❖ Repairs & Maintenance
- ❖ Project Planning/Execution
- ❖ Communication & Analytical Skills
- ❖ Multi-tasking
- ❖ PLC Programming
- ❖ ELV Systems (CCTV, ACS, Gate Barrier, ANPR System, etc.)

### PROJECTS

- ❖ Construction of G+1 Building Project
- ❖ Construction of G+3 Building Project
- ❖ Datacenter Building Development Projects
- ❖ Villa Construction Project
- ❖ Refurbishment of Villas Project
- ❖ Electrical Lighting designing & Installation Projects
- ❖ Electrical Power System Upgradation Projects
- ❖ Fire Alarm & Fire Fighting Projects
- ❖ Designing & Installation of UPS Systems
- ❖ Low current system projects
- ❖ Retrofit Projects
- ❖ Generation Installation Projects

PROF. DEVELOPMENT

- ❖ Medium Voltage Solution-ABB
- ❖ PLC, Microcontroller &HMI (Advance)
- ❖ Critical Power Management System Ups & ATS-ABB
- ❖ Earthing & Lighting Protection-ABB
- ❖ Diploma in Quantity Surveyor (Civil)
- ❖ AutoCAD MEP (2d+3d Architect)
- ❖ Public Address & Voice Evacuation – Honeywell
- ❖ Explosion Proof & Hazardous Gas Detectors – Honeywell
- ❖ Lighting Control System-ABB
- ❖ Central Battery System- Teknoware/ABB
- ❖ Self-Contained Monitoring System- JSB/ABB
- ❖ MS Project

PROFESSIONAL TOOLS

- ❖ AutoCAD
- ❖ Dialux
- ❖ KIEL
- ❖ Proteus
- ❖ GX Developer
- ❖ MS Office
- ❖ EPPM
- ❖ Outlook
- ❖ GX Developer
- ❖ Turbo C
- ❖ MS Windows 98/XP/Vista/7/10
- ❖ Internet Surfing
- ❖ Hardware Assembling

PROF. AFFILIATIONS

- ❖ Registered with Society of Engineers - UAE
- ❖ Affiliated and Accredited by Pakistan Engineering Council

PERSONAL DETAILS

- ❖ **Nationality:** Pakistan
- ❖ **Date of Birth:** 22<sup>nd</sup> Nov 1984
- ❖ **Marital Status:** Married
- ❖ **Languages:** English (professional proficiency), Urdu/Panjabi/Pashtu (Native).

- ❖ Fully complied with all applicable design standards and client requirements to agreed time, cost and quality requirements in addition to ascertaining project milestones.
- ❖ Ensured adequate monitoring for implementation of MEP works for renovation and maintenance as well.
- ❖ Worked in close coordination with client, stakeholders and other professionals for seamless execution of project/site activities. Facilitated up-gradation, modification works.
- ❖ Inspect Electrical & MEP installations and a large variety of other complex and routine building systems elements.
- ❖ Identify non-conforming work or materials, notify contractor and keep a record. Follow up corrective and preventive measure taken by the Contractor.

Electrical Engineer

April 2012 – Jul 2014

Gentech – General International Technical Company, Dubai, UAE

*The company is part of group of companies who is dealing in Fire Protection, Surveillance Solution and Integrated ELV services.*

Key Responsibilities:

- ❖ Delivered a full range of electrical engineering services to the project teams and oversaw the design of fire detection and alarm system, and gaseous fire suppression systems, considering the compatibility of local authorities and international standards.
- ❖ Created designs and estimation of Fire Alarm, Fire Suppression system, CCTV system, Access Control, Gate Barrier, Central Battery System & Public Address system. Addressed all inquiries related to Fire Alarm, Fire Fighting and Gas Suppression System.
- ❖ Collaborated with Client/Engineers to gather required documents/information before design and later with clients, subcontractors, vendors, and suppliers to ensure engineering, design, and implementation.
- ❖ Ensured all engineered solutions are commercially competitive to meet project scope and time constraints while assessing them for technical, commercial and budget feasibility
- ❖ Provided inputs in compiling material submittal and period site reports. Maintaining accurate records and documents for projects handled and presented the same to parties involved (both internally and externally).
- ❖ Mobilized all resources and electrical material at the site to match the project schedule and site requirements. Carried out inspections of site activities and oversaw testing & commissioning.

Electrical Engineer | Operation Engineer

Jan 2009 –Nov 2011

Saadies Power & Energies, Peshawar, Pakistan

*The company is an Electrical contractor provide services for Electrical Designs solutions, Installation, maintenance and Automation.*

Key Responsibilities:

- ❖ Provided functional leadership, technical support, and strategic planning for reviewing method statements, materials and submittals.
- ❖ Instrumental in electrical/automation design and modification of systems as well as designing and programming for different applications, simultaneously adhering to codes and standards of safety.
- ❖ Vital in carrying out the installation and commissioning of electrochemical, mechanical machines and different electrical circuits.
- ❖ Enabled the repairing and redesigning of Panels according to requirement, streamlined processes for warranty claim inspection.
- ❖ Delivered unparalleled expertise for devising a robust preventive maintenance proposal and proven excellence in delivering defect-free Industrial Solutions.
- ❖ Attended meeting with the management team and interfaced with the client from the start of the project till completion.

Other Professional Experiences:

- ❖ Jun 2008 – Dec 2008: Civil Drafting & Quantity Surveyor | Ilyas Builders, Peshawar, Pakistan