

MUHAMMAD ZAHIR

BACHELOR OF TECHNOLOGY (ELECTRICAL ENGINEERING) MASTER'S IN (ENGINEERING MANAGEMENT). PROJECTS, INSTALLATION & COMMISSIONING, OPERATION & MAINTENANCE WITH TROUBLE SHOOTING, DESALINATION PLANTS, WASTE WATER TREATMENT, TEXTILE INDUSTRIES, OIL & GAS INDUSTRIES E.T.C.



+923312524270 Karachi, Pakistan

• mzahirk2012@gmail.com Skype ID mzahirk2002 •

PROFILE

SEEKING A SENIOR / MANAGEMENT LEVEL POSITION IN THE FIELD OF E & I TECHNOLOGY IN REPUTED ORGANIZATION, WITH AN OPPORTUNITY TO IMPLEMENT MY EXPERTISE, TECHNIQUES AND STRATEGIES TO ENSURE BUSINESS GROWTH OF THE ORGANIZATION WORK AND GOOD GROWTH OF MY CAREER TO USE MY SKILLS AND POTENTIAL TO ASSIST A DYNAMIC ORGANISATION IN ACHIEVING ITS GOALS WHICH SEEKING LONG TERM CAREER WITH OPTIMUM GROWTH.

Areas of Expertise

- Installation, Testing and commissioning all kinds of MCC panels.
- Investigate trouble shooting of MCC panels, VFD's, Plc's and all kinds of electronic devices and provide solutions.
- Prepared and reviewed engineering plans, specifications, project schedules with designs, and drawings.
- Provided technical support for system operations and Maintenance.
- Maintained effective working relationships with office & field staff.
- Performed quality assurance and control.
- Provide technical assistance and resolution.
- Provide support to modify electrical parts, prototypes, and maintaining system.
- Install and maintain solid state equipment's and electrical control systems.
- Work together with other engineers and individuals to solve and define the developmental problems.
- Excellent in the use of basic hand tools, soldering tools and other electronic assembly tools
- Good understanding of Engineering drawings i.e. PDF, P&IDs, etc.

Consultant

Organization	➤ Imtiaz Enterprises - Engineering Solution
Organization	➤ Heaven Star Electric Co.
Join As	➤ Industrial Electrical, Electronics and Renewable Energy Consultant
Duration	➤ April 2019 ~ Till Dated

Service's

Implement, maintain, and improve electrical electronics, renewable energy instruments, equipment, facilities, components, products, and systems for industries

- Devises plan for each phase of the project
- Performs quality control checks, ensuring the safety and effectiveness with reliability of the system & product

- Evaluate the costs within a specific time frame
- Supervises & monitoring the installation work of electrical & electronics equipment
- Negotiates with the team members to generate ideas and clarify specifications
- Delegates tasks as necessary to engineering team

Water Treatment & Renewable Energy Company

Organization : Pak Oasis Industries Pvt. Ltd. Karachi Pakistan (joint Venture with Veolia FZE LLC)
Designation : Assistant Manager Electrical Electronics
Duration : December 2011~ February 2019

Job Responsibility

- Responsible of Installation RO Plant, UF plant and Sewage Treatment Plant
- Manage and Procure Material for Installation
- Installation and Programming of variable frequency Drive
- Installation of all sensors related to RO, UF and Sewage Treatment Plant
- Commissioning and Testing of all Electrical and Electronics Components
- Hands on Experience of Trouble Shooting all kinds of Electrical and Electronics
- Design Solar System for Submersible Pumps
- Design and Installed 75000gpd x 2 Plants on Solar System (21Kw each x 2)
- Design and Installed 1500gpd x 2000 Plants on Solar System (12Kw each x 2000)

PROJECTS EXECUTED

Ultra-Filtration, Reverse Osmosis and Wastewater Treatment Projects

Project Title: Clean Water Supply Public Supply Scheme

6 + 8 MGD Ultra Filtration Plant with Collaboration of Veolia Water Solution (Gulf) FZE LLC

Client : Public Health Engineering Department (PHED)
Scope of work : Installation, commissioning and Project Management
Responsibility : E&I Installation, commissioning and O & M

Project Title: Kemari and Liyari Clean Water Public Supply Scheme

Desalination Plant Having Capacity of 13MGD Based on Reverse Osmosis Technology

Client : Karachi Water & Sewerage Board (KW&SB)
Scope of work : Design, supply installation and commissioning
Responsibility : E&I Installation, commissioning and O & M

Project Title: All over Sind Solarised RO and UF Clean Water Supply Scheme (Phase I P-500 x 10000GPD) (Phase II P-750 x 10000GPD)

Hybrid System Based on Reverse Osmosis and Ultra Filtration Plant

Client : Special Initiative Department (SID)
Scope of work : Design, supply installation and commissioning
Responsibility : E&I Installation commissioning and O & M

Project Title: 15Kw Solarised Tube Well P-250 and P-150 Project

400 Solar Tube well for Dewatering at different location of Sindh Province

Client : Irrigation Department Sind Pakistan
Scope of work : Design, supply installation and commissioning and Project Management
Responsibility : E&I Installation, commissioning

Project Title: Nawabshah City Wastewater Treatment Plant

Wastewater Treatment Plant Having Capacity of 6 & 4 MGD Based on MBBR Technology

Client : Public Health Department (Sindh)
Scope of work : Design, supply installation and commissioning
Responsibility : E&I Installation, commissioning and O & M

Project Completed

RO Plants Project : See Water Containerised RO Plant (250,000 GPD x 20 plants)
Organization : Pal Technology Services LLC, United Arab Emirates
Designation : Field Engineer
Duration : July 2010 ~ October. 2010.

Job Responsibility

- Successfully installed Twenty Mobile Reverse Osmosis (R.O) Plant project in Abu Dhabi. Also completed the assembling of R.O PLC Control Panels and main power DB's. I worked on the application designing, assembling, installation, commissioning & management. Besides, I also completed I-Line bus bar Installation (Schneider Electric) and overall Plant Power Control Cable lying & Termination.
- Complete Installation of Twenty Mobile Reverse Osmosis (R.O) Plant project in Abu Dhabi:
- Assembling of R.O PLC Control Panels.
- Assembling of main power DB's.
- Application Designing, Assembling, Installation, Commissioning & Management.
- I-Line bus bar Installation (Schneider Electric).
- Overall Plant Power Control Cable lying & Termination.

Service Engineering Company

RO Plant and Industrial Project : Plant Installation, Commissioning and Electrical, Electronic Services
Organization : M. Anas. Electronics, Karachi, Pakistan
Designation : Field Engineer
Duration : October 2005 ~ January 2007

Job Responsibility

- Assist engineering staff in troubleshooting and diagnosing problems with new product designs.
- Installing, repairing and maintaining all types of AC variable frequency drive.
- Troubleshooting of PLC based control panels.
- Building LT panels MCC panels and DB Panels.
- Liaising with other departments to ensure high standards of customer service.
- Installing and repairing all type of electronic devices.
- Maintaining and troubleshooting of all kinds of industrial equipment and control panels.

Engineering Services

MCC Room and Machines E & I	:	Service all kinds of E & I, Panels Trouble Shooting and VFD's Programming
Organization	:	Oil & Gas Development corporation, Ltd, Pakistan.
Designation	:	Field Engineer
Progress	:	Work as a Service Consultant Engineer.
Duration	:	2007 ~ 2010

Job Responsibility

- Commissioning of new products related to Electronics. (Temperature Controllers, P-Supplies etc.)
- Commissioning of Power Instruments. (ACB Breaker MCCB, etc.)
- Commissioning of Motor Controls Drive. (ABB, Siemens, Fuji, etc.)
- Designing of different electrical panels as per requirement.
- Programming and Trouble Shooting all kinds of variable frequency drive.
- Participate effectively on brain storming & planning of new projects.
- Inspection of field devices. (Motors, E-Actuators, Pne-Actuators etc.)

Subcontractor of Pal Technology (Abu Dhabi)

RO Plant Projects	:	Ghantoot 500,000GPD, Al Shahama 250,000GPD, Al Aryam 500,000GPD, North Saadiyat 150,000GPD x 2 Successfully completed with collaboration of (ITT USA)
Organization	:	Fluid Technology Ltd. Karachi, Pakistan
Designation	:	Senior Electrical Engineer
Duration	:	Aug 2004 ~ Sep 2006

Job Responsibility

- Plant commissioning.
- Assisting with stock taking.
- Maintenance of demonstration / rental equipment.
- Responsible for service boxes and spare parts procurement.

- To identify, develop and share best practice initiatives across team and site.
- To adopt and support a zero-accident behavior culture.

PERSONAL SKILLS& EXPERTISE

Areas of Expertise

- Installation, Testing and commissioning all kinds of MCC panels.
- Investigate trouble shooting of MCC panels, VFD's, Plc's and all kinds of electronic devices and provide recommend solutions.
- Prepared and reviewed engineering plans, specifications, project schedules, designs, and drawings.
- Provided technical support for system operations and Maintenance.
- Maintained effective working relationships with field crews.
- Performed quality assurance and control.

Skills

- Ability to provide technical assistance and resolution.
- Able to modify electrical parts, prototypes, and maintaining system.
- Able to install and maintain solid state equipment's and electrical control systems.
- Able to work together with other engineers and individuals to solve and define the developmental problems.
- Excellent in the use of basic hand tools, soldering tools and other electronic assembly tools
- Able to read Engineering drawings

ACADEMIC QUALIFICATION

- **M.Sc. (Engineering Management)** from University of Sunderland, England
2010 – 2011
- **B.TECH Pass (Industrial Electrical)** from Indus University (formally Indus Institute of Higher Education), Karachi.
2006 – 2008
- **DIPLOMA OF ASSOCIATE ENGINEER (Industrial Electronics)** from Sindh Board of Technical Education, Karachi
2000 – 2003

COMPUTER SKILLS

Office Application	: Word, Excel, Power Point Presentation, Emails
E-Communication	: Expertise in Electronic Communication
Technology	: Keen interest & knowledge of learning new technologies

Certification:



Consisting of the following modules:

- Pump Basics
- Solar Basics
- Submersible Pump Servicing and Troubleshooting



Consisting of the following modules:

Drive Theory
Installation, Wiring, Programming
Troubleshooting, Repair

- Pump System Planning
- Submersible Pump Installation

Hands-On Exercises



Power and productivity
for a better world™

Consisting of the following modules:

- Programming of solar drive
- Commissioning of solar pump drive
- Pump selection for solar application
- Solar System Calculation
- Hands-on programming exercises

PERSONAL PROFILE

Date of Birth	:	25-08-1977
Nationality	:	Pakistani
Passport Number	:	AA5129154
Passport Expiry	:	28-11-2028
Driving License	:	UK / Pakistan
Marital Status	:	Married
Languages	:	English, Urdu, Pushto

REFERENCES

Umer Farooq
Commissioning Engineer – Veolia Water Technologies Mobile: - 00971 50 4328140

Jomon Joseph
Managing Director – Max Elect. Control System Ind. LLC – Mobile: - 00971527773363

Riaz ul haq abbasi
Sr. Commissioning Engineer – METITO SAUDI LTD – Mobile: - 00966582538029

DECLARATION

I hereby declare that the above given by me are true & best of my knowledge.

Muhammad Zahir