

Holds a B. Sc. in Electrical Engineering and has about 22 years hands-on experience working in design, supervision and constructions for Water & Waste Water treatment and RO plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 05/06/1974
Gender : Male
Marital Status : Married
Residence : Alexandria

EDUCATION

: B. Sc. in Electrical Engineering, Menoufia University, 2000

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD
: Ecodial v 3.36
: Powerex
: EASYLUX for Nardeen Company
: Easy place, easy plan, easy street for Saudi Lighting (SLCD)
: MEL Short for Short circuit Calculation
: ABB Coordination Tables
: Calculation Program for Voltage Drop
: GEM CALCULATOR 3.1.0 ERICO for EARTHING
: DIALux 4601 - Admin, Dialux 4.6
: DOC & CAT for ABB & Cadlib tele mecanique part 01 for SCHNEIDER ELECTRIC
: Calculux 5.0

TRAINING COURSES AND CERTIFICATIONS

: Water distribution Network system, Howard Technology Middle East, Qatar (2013).

- : Invitation to Visit ABB Factories, Riyadh 2nd Ind. City (2009):
 - Presentations about ABB Portfolio in Saudi Arabia.
 - Tour in the Switchgear Factory (LV and MV SWGR).
 - Tour in the Control & Protection Relays Panels Factory.
 - Tour in the distribution Transformers and Compact S/Ss' Factory.
- : Invitation to Visit Al Fanner Factories, Riyadh 2nd Ind. City (2010):
 - Presentations about Al fanner Portfolio in Saudi Arabia.
 - Tour in the Switchgear Factory (LV and MV SWGR).
 - Tour in the distribution Transformers Factory.
 - Tour in Power Cables Factory.
- : Invitation to Visit ABB Factories, Helsinki, Finland (2012): LV drives (VFDs), Motors and Solar cell Panel.
- : Course on Design, Operational and Maintenance.
- : Training Course in First aid (2013).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Nov. 2019 till Feb. 2021
- Employer** : AAW Engineering Consultants
- Project** : ALEXANDRIA EAST WASTEWATER TREATMENT PLANT
- Job title** : SENIOR ELECTRICAL ENGINEER
- Job Description** :
- Design reviews the all submittals, materials of Bio-gas Cogeneration Units' Proposed from the consortium (SUEZ & Arab contractors) Technical Offer.
 - Review the to renew.
 - Review Test Procedure for Power transformers, medium & Low Voltage Cable and Distribution panel board (DPB).
 - Review complete design of Main control center (MCC), S.L.D, W.D & PLC system.
 - Review the Electrical Submittals (TRs, Generators, MCCs, MDPs, Earthing system, Cable Routing, General layout, Fire Alarm System, Administration Building Light, Telephone system, Control system (PLC & SCADA).
 - Review the Control and Instrumentation Specifications.
 - Review, Supervision & Workshop drawings.
 - Studying of Technical Offers.
 - Review the B.O.Q.
 - Review complete design of The Calculation Sheets.
 - Preparing the Electrical Specifications.
 - Review complete design of the Designing of the Tender drawings.
 - Review of the Pre-Commissioning clearance certificate (PCCC) for electrical equipment.
 - Review of the Pre-Commissioning Check List for Electrical System.
 - Inspection for equipment & materials constructions.
 - Prepare Test Procedure for Power transformer, Low Voltage Cable and Distribution panel board (DPB).
 - Review complete design of The Commissioning & Erection Check lists for main equipment.
 - Review the Electrical Specifications for the project.
 - Review complete design of the electrical Calculation Sheets.

- Review the B.O.Q.
- Studying of Technical Offers from the suppliers.
- Review, Supervision & Workshop drawings.
- Review the Control and Instrumentation Specifications.
- Check the P&ID with details.
- Review complete design of Main control center (MCC), S.L.D, W.D & PLC system and SCADA system.
- Review the Electrical Submittals (TRs, Generators, MCCs, MDPs for medium & low voltage, Earthing system, Cable Routing, General layout, Fire Alarm System, Administration Building Light, Telephone system, Control system (PLC & SCADA).
- Review the main Control Center (MCC) and Instrumentations Specifications.
- Review electrical load list & Cable list and Cable routing.
- Review complete design of the Control and Instrumentation Specifications.
- Review Input /Output list for PLC & SCADA system.
- Review complete design of control system, SCADA system and Instrumentation.
- Review the complete design of the Main control center (MCC), Connections of Motors.
- Review the Fire alarm and lighting systems for all the project.
- Inspection for all the Electrical Systems equipment & materials constructions in the site.

Dates : From Feb. 2016 till Oct. 2019

Employer : Misr Consultants

Project : WASTEWATER TREATMENT PLANT (King Marriott)

Job title : SENIOR ELECTRICAL ENGINEER

Job Description :

- Design reviews the all submittals, materials of Power transformers, medium & Low Voltage Cable and Distribution panel Board (DPB) Proposed from the contractors Technical Offers.
- Review complete design of The Commissioning & Erection Check lists for main equipment.
- Review the Electrical Specifications for the project.
- Review complete design of the electrical Calculation Sheets.
- Studying of Technical Offers from the suppliers.
- Review the Control and Instrumentation Specifications.
- Check the P&ID with details.
- Review the main Control Center (MCC) and Instrumentations Specifications.
- Review electrical load list & Cable list and Cable routing.
- Review the complete design of the Main control center (MCC), Connections of Motors.
- Inspection for all the Electrical Systems equipment & materials constructions in the site.
- Review Test Procedure for Power transformers, medium & Low Voltage Cable and Distribution panel board (DPB).
- Review complete design of Main control center MCC, S.L.D, W.D.
- Review the Electrical Submittals (TRs, Generators, MCCs, MDPs, Cable

Routing, General layout.

- Review, Supervision & Workshop drawings.
- Review complete design of the Calculation Sheets.
- Review of the Pre-Commissioning clearance certificate (PCCC) for electrical equipment.
- Review of the Pre-Commissioning Check List for Electrical System.
- Inspection for equipment & materials constructions.
- Prepare Test Procedure for Power transformer, Low Voltage Cable and Distribution panel board (DPB).

Dates : From May 2015 till Jan. 2016

Employer : Alfozan Consulting Engineers & Anal Arabia Company – Riyadh, KSA

Job Description :

- My Responsibilities and tasks in Alfozan Consulting Engineers:
 - Review the designs & supervision and constructions of all projects for Water & Waste Water treatment plants with the General Directorate of Water and Electricity in Tabuk region and provinces.
 - Review the designs & supervision and constructions of all projects for Water Plants, water networks & Waste Water treatment plants and waste networks with the General Directorate of Water and Electricity in Tabuok region and provinces (alwgh, Taima, Dubai, haql, amlog, al bada).
 - Review Test Procedure for Power transformer, Low Voltage Cable and Distribution board (DB).
 - Review the P&ID with electrical details.
 - Review, Supervision & Workshop drawings.
 - Review complete design of Main control center (MCC), S.L.D, W.D & PLC system.
 - Review the Material Submittals for (Power, Control, Instrument cables, Cable Glands, Cable Lugs, Cable Ladder, Trays & Trunking, Ear thing materials, Administration Building Light, Telephone system.
 - Review the complete design of The Main control center (MCC), Connections of Motors.
 - Review the Chemical pumps Submittals.
 - Review complete design of the Commissioning & Erection Check lists for main equipment.
 - Review complete design of The Designing of the Tender drawings.
 - Review Cable list and Cable routing.
- My Responsibilities and tasks in Anal Arabia Company:
 - Provide, explain and formulate technical studies and quotations detailed to establish a company started in the design, fittings Electromechanical and operation & maintenance of water and sewage plants, the explanation it contains three offer models of the company are (the mini-system and its cost in the range of 20000000 SAR, the system average cost in the range of 45000000 SAR big system and its cost in the range of one hundred million Saudi Riyals and more than one hundred million Saudi Riyals).

Dates : From Jul. 2012 till Aug. 2014

Employer : KAHRAMAA – DOHA, Qatar

- Job Description** :
- Design Engineer at Technical Water Design (TWD) for the following projects:
 - Duhail Reservoirs pump station (RPS) and Associated Pipe Lines 3300 l/sec.
 - Doha South RPS GTC/232/2008.
 - New Shahniya-2 pumping station GTC/128/2010.
 - New Al Kaaban RPS GTC-426-2011.
 - New Kahramaa Tower Lusail GTC/155/2007.
 - New RPS at Salwa Road (GTC/269/2008).
 - New Kahramaa Center workshop (LTC/342/2009).
 - Al Wukair pumping station GTC/299/2009.
 - Upgrading of Umm Salal water station GTC/303/2009).
 - Customer Service Building (Proto Type).
 - Muaither RPS Associated Pipe Lines GTC-233-2008.
 - Review Test Procedure for Power transformer, Low Voltage Cable and Distribution panel board (DPB).
 - Inspection for equipment & materials constructions.
 - Review complete design of The Commissioning & Erection Check lists for main equipment.
 - Review of the Pre-Commissioning Check List for Electrical System.
 - Review of the Pre-Commissioning clearance certificate (PCCC) for electrical equipment.
 - Review complete design of The Designing of the Tender drawings.
 - Review the Electrical Specifications for ALL projects in Kahramaa.
 - Review complete design of The Calculation Sheets.
 - Review the B.O.Q.
 - Studying of Technical Offers.
 - Review, Supervision & Workshop drawings.
 - Review the Control and Instrumentation Specifications.
 - Check the P&ID with details.
 - Review complete design of Main control center (MCC), S.L.D, W.D & PLC system.
 - Review the Electrical Submittals (TRs, Generators, MCCs, MDPs, Earthing system, Cable Routing, General layout, Fire Alarm System, Administration Building Light, Telephone system, Control system (PLC & SCADA).
 - Review the main Control Center (MCC) and Instrumentations Specifications.
 - Review Cable list and Cable routing.
 - Review complete design of the Control and Instrumentation Specifications.
 - Review Input /Output list for PLC.
 - Review complete design of control system, SCADA system and Instrumentation.
 - Review the complete design of the Main control center (MCC), Connections of Motors.
 - Chemical pumps.
 - Review the Fire alarm and lighting systems.
 - Inspection for all the Electrical Systems equipment & materials constructions in the site for the Schools.
 - Fire alarm System.
 - Public address System.

- Farash Call System.
- Lightening Protection System.
- Closed Circuit Television CCTV System.
- Small Power System.
- Data System.
- Audio Visual / Audio Intercom System.
- Structured Cabling System (SCS).
- Automatic Bell System.
- Earthling Systems.
- Building Management System BMS.

Dates	:	From Sep. 2010 till Sep. 2011
Employer	:	GETCO – RIYADH, Saudi Arabia
Job Description	:	<ul style="list-style-type: none"> • Design Engineer at Engineering Dept. for ALRASS & Unaizah RO plant 90000 m3/d. • Supervisor Electrical Engineer for Extension of Sewage Treatment Plant 100000 m3 /d, Hada -2 / Phase-II for Makkah AL Mukarramah Region. • Preparing ALL the Electrical Submittals (TRs, Generators, MCCs, MDPs, Earthling systems, Cable Routing, General layout, Fire Alarm System, Administration Building Light, Telephone system, Control system (PLC & SCADA). • Designing of the Tender drawings. • Preparing the Electrical Specifications. • Preparing the Electrical Calculation Sheets. • Preparing the B.O.Q. • Studying of Technical Offers. • Supervision & Workshop drawings review. • Preparing P&ID with details. • Preparing complete design of Main control center, S.L.D, W.D, PLC, SCADA system and Instrumentation. • Preparing the Control and Instrumentation Specifications. • Preparing S.L.D with details. • Preparing the main Control Center (MCC) and Instrumentation Specifications. • Preparing Technical Offers. • Preparing complete design of the main distribution Panels (MDP) and Instrumentation Specifications. • Preparing Cable list and Cable routing. • Review complete design of the Control and Instrumentation Specifications. • Review complete design of the Designing of the Tender drawings. • Preparing the Electrical Specifications. • Review complete design of the Calculation Sheets. • Review the B.O.Q. • Studying of Technical Offers. • Review, Supervision & Workshop drawings. • Review the Control and Instrumentation Specifications. • Check the P&ID with details. • Review complete design of Main control center (MCC), S.L.D, W.D & PLC system.

Dates : From Sep. 2008 till Sep. 2010

Employer : FURAT CONSULTANT – RIYADH, Saudi Arabia

Job Description :

- SUPERVISOR ELECTRICAL ENGINEER for the following projects:
 - Al Aflag RO plant 25000 m3/day.
 - Hail RO plant 150000 m3/day.
 - North Brida RO plant 25000 m3/day.
 - Al-Nabhaniah RO plant 15000 m3/day.
 - Al-Shammasiah RO plant 25000 m3/day.
 - OUYOUN Al-Jawaa RO plant 40000 m3/day.
 - Southern Riyadh Sewage Treatment Plant Extension Manfoha TTP 300000 m3/day.
 - AL KHARJ CITY STP - Phase 1, 100000 m3/day.
- Prepare Test Procedure for Power transformer, Low Voltage Cable and Distribution panel board (DPB).
- Inspection for equipment & materials constructions.
- Review complete design of the Commissioning & Erection Check lists for main equipment.
- Review of the Pre-Commissioning Check List for Electrical System.
- Review of the Pre-Commissioning clearance certificate (PCCC) for electrical equipment.
- Review complete design of the Designing of the Tender drawings.
- Preparing the Electrical Specifications.
- Review complete design of the Calculation Sheets.
- Review the B.O.Q.
- Studying of Technical Offers.
- Review, Supervision & Workshop drawings.
- Review the Control and Instrumentation Specifications.
- Check the P&ID with details.
- Review complete design of Main control center (MCC), S.L.D, W.D & PLC system.
- Review the Electrical Submittals (TRs, Generators, MCCs, MDPs, Earthing system, Cable Routing, General layout, Fire Alarm System, Administration Building Light, Telephone system, Control system (PLC & SCADA).
- Review the main Control Center (MCC) and Instrumentations Specifications.
- Review Cable list and Cable routing.
- Review complete design Of the Control and Instrumentation Specifications.
- Review Input /Output list for PLC.
- Review complete design of control system, SCADA system and Instrumentation.
- Review the complete design of The Main control center (MCC), Connections OF Motors, Feed Pumps, RO Pumps, High Pressure Pumps Chemical pumps.
- Review the Fire alarm system, lighting and actuators.

Dates : From Jul. 2008 till Aug. 2008

Employer : EBD Arabia – RIYADH, Saudi Arabia

Job title : O&M Engineer

- Job Description** :
- Worked in very big Sea Water Reverse Osmosis Desalination Plant (15000 m3/d) in Jubail Industrial Area (Marafiq).
 - Worked as Site Electrical Engineer in Sea Water Reverse Osmosis Desalination Plant, this Plant consists of four complete R.O. Units, every R.O. Unit have (Epoxy coated steel structure with one (1) lot of hardware and supports designed to mount Qty (16) Protec Pressure vessels model no. Pro-8-1200-SP, Qty (1) Fedco High pressure pump model no. MSS-7040 with Turbo charger Model no. HPB80, Qty (1) Excel cartridge housing model no. 66EFCT3-4C150, skid pipe work, cabling, instruments & sampling panel), Feed Pumps, Multi Media Filters, Reject Pumps, Intake Water wells, Water Tanks).
 - General Electrical Engineer Supervision of the Instruction, Operation and starting up the RO plant for the Seawater Desalination plant 15000 m3/day in Jubail Industrial Area (Marafiq).
 - Commissioning & Erection Check lists for main equipment.
 - Pre-Commissioning Check List for Electrical System.
 - Pre-Commissioning clearance certificate (PCCC) for electrical equipment.
 - Supervision of the complete design of the Main control center (MCC), Connections OF Motors, Feed Pumps, RO Pumps, HP Pumps, Chemical pumps, SCADA system and Instrumentations.
 - Check the Instruction OF RO Skids (1st & 2nd Stage).
 - Check the Connections OF ALL Motors (DOL, Star/ delta, Soft starter).

Dates : From Jan. 2005 till Apr. 2008

Employer : INTECH – Cairo, Egypt

Job title : O&M Engineer

- Job Description** :
- Khatami wastewater treatment plant 5000m3/day:
 - Plant Manager, Operation and Maintenance for Sewage treatment plant this plant consists of (mechanical bar Screen, Lift Station, Lift Station Pump, Motive Pumps, SBR Tank (one tank reactor), Waste sludge pumps, chlorination system, gate valves, butterfly valves, check valves, Actuators & MCC for Siemens Company).
 - Preparation of Technical Reports.
 - Hanoville /Alexandria wastewater treatment plant 50000m3/day:
 - Working as (O&M) Electrical Engineer.
 - Installation, Operation and Maintenance for Sewage treatment plant this plant consists of (mechanical bar Screen (Automatic & Manual), Lift Station Pump, Air Blowers, SBR Tank, Waste sludge pumps, irrigation pumps, chlorination system, gate valves, butterfly valves, check valves, Actuators & MCC for Siemens Company).
 - Preparation of Technical Reports.
 - Kilo 26/Alexandria waste water treatment plant 4000m3/day:
 - Plant Manager, Operation and Maintenance for Sewage treatment plant this plant consists of (mechanical bar Screen (Automatic & Manual), Lift Station Pump, RBC Wheals, Waste sludge pumps, chlorination system, gate valves, butterfly valves, check valves, Actuators & MCC for Gela Company).
 - Preparation of Technical Reports.
 - El Alamien Marina (RO) plant 6000m3/day:
 - Working as (O&M) Electrical Engineer.
 - Provide Direction and Make Recommendations for Preventive and

- Predictive Maintenance Techniques, which include Vibration and Oil analysis, as well as Pump and Compressor Improvements.
- Provide Direction to Maintenance Personal Regarding Specifications, Repairs, and Installation of Equipment.
- Troubleshooting, Testing, and Implementation of Creative Solutions, which Requires Knowledge on wide variety of Electrical Equipment.
- Installation, Operation and Maintenance for Potable Water Treatment Plant (Reverse Osmosis System this plant consists of Raw Water Tank, Feed Pumps, Sand Filters, Cartridge Filters, R.O Unit, Acid Dosing Pump, Sequestering agent Dosing Pump, High Pressure Pumps, Membranes, Control Valves, R.O. Instrumentation, pre-treatment Dosing Systems, Post Treatment dosing Systems, Float Switches and Electrode Sensors), RO Skids, MCCs, Wells Pumps & Control System.
- Operating and Maintaining for Potable Water Treatment Plant Operates and Maintains Several Types of Pumps as Centrifugal Pumps Single and Multistage, Reciprocating pumps, Rotary Pumps, Dosing Pumps, and Several Electro mechanical Machines, This Plant Working by (SCADA SYSTEM).
- Troubleshooting, Testing, and Implementation of Creative Solutions, which Requires Knowledge on wide variety of Electrical Equipment.
- Provide Direction to Maintenance Personal Regarding Specifications, Repairs, and Installation of Equipment.
- Borg El Arab (RO) plant 1500m³/day:
 - Working as (O&M) Electrical Engineer.
 - Provide Direction and Make Recommendations for Preventive and Predictive Maintenance Techniques, which include Vibration and Oil analysis, as well as Pump and Compressor Improvements.
 - Provide Direction to Maintenance Personal Regarding Specifications, Repairs, and Installation of Equipment.
 - Troubleshooting, Testing, and Implementation of Creative Solutions, which Requires Knowledge on wide variety of Electrical Equipment.
 - Installation, Operation and Maintenance for Potable Water Treatment Plant (Reverse Osmosis System this plant consists of Raw Water Tank, Feed Pumps, Sand Filters, Cartridge Filters, R.O Unit, Acid Dosing Pump, Sequestering agent Dosing Pump, High Pressure Pumps, Membranes, Control Valves, R.O. Instrumentation, pre-treatment Dosing Systems, Post Treatment dosing Systems, Float Switches and Electrode Sensors), RO Skids, MCCs, Wells Pumps Control System.
 - Operating and Maintaining for Potable Water Treatment Plant Operates and Maintains Several Types of Pumps as Centrifugal Pumps Single and Multistage, Reciprocating pumps, Rotary Pumps, Dosing Pumps, and Several Electro mechanical Machines, Troubleshooting, Testing, and Implementation of Creative Solutions, Which Requires Knowledge on wide variety of Electrical Equipment.
 - Provide Direction to Maintenance Personal Regarding Specifications, Repairs, and Installation of Equipment.
- Matrouh (RO) plant 1500m³/day:
 - Working as (O&M) Electrical Engineer
 - Provide Direction and Make Recommendations for Preventive and Predictive Maintenance Techniques, which include Vibration and Oil analysis, as well as Pump and Compressor Improvements.

- Provide Direction to Maintenance Personal Regarding Specifications, Repairs, and Installation of Equipment.
- Troubleshooting, Testing, and Implementation of Creative Solutions, which Requires Knowledge on wide variety of Electrical Equipment.
- Installation, Operation and Maintenance for Potable Water Treatment Plant (Reverse Osmosis System this plant consists of Raw Water Tank, Feed Pumps, Sand Filters, Cartridge Filters, R.O Unit, Acid Dosing Pump, Sequestering agent Dosing Pump, High Pressure Pumps, Membranes, Control Valves, R.O. Instrumentation, pre-treatment Dosing Systems, Post Treatment dosing Systems, Float Switches and Electrode Sensors), RO Skids, MCCs, Wells Pumps & Control System.
- Operating and Maintaining for Potable Water Treatment Plant Operates and Maintains Several Types of Pumps as Centrifugal Pumps Single and Multistage, Reciprocating pumps, Rotary Pumps, Dosing Pumps, and Several Electro mechanical Machines, this Plant Working by (SCADA SYSTEM).
- Troubleshooting, Testing, and Implementation of Creative Solutions, which Requires Knowledge on wide variety of Electrical Equipment.
- Provide Direction to Maintenance Personal Regarding Specifications, Repairs, and Installation of Equipment.
- Barrany (RO) plant 1000m³/day:
 - Working as (O&M) Electrical Engineer.
 - Provide Direction and Make Recommendations for Preventive and Predictive Maintenance Techniques, which include Vibration and Oil analysis, as well as Pump and Compressor Improvements.
 - Provide Direction to Maintenance Personal Regarding Specifications, Repairs, and Installation of Equipment.
 - Troubleshooting, Testing, and Implementation of Creative Solutions, which Requires Knowledge on wide variety of Electrical Equipment.
 - Installation, Operation and Maintenance for Potable Water Treatment Plant (Reverse Osmosis System this plant consists of Raw Water Tank, Feed Pumps, Sand Filters, Cartridge Filters, R.O Unit, Acid Dosing Pump, Sequestering agent Dosing Pump, High Pressure Pumps, Membranes, Control Valves, R.O Instrumentation, pre-treatment Dosing Systems, Post Treatment dosing Systems, Float Switches and Electrode Sensors), RO Skids, MCCs, Wells Pumps & Control System.
 - Operating and Maintaining for Potable Water Treatment Plant Operates and Maintains Several Types of Pumps as Centrifugal Pumps Single and Multistage, Reciprocating pumps, Rotary Pumps, Dosing Pumps, and Several Electro mechanical Machines, this Plant Working by (SCADA SYSTEM).
 - Troubleshooting, Testing, and Implementation of Creative Solutions, which Requires Knowledge on wide variety of Electrical Equipment.
 - Provide Direction to Maintenance Personal Regarding Specifications, Repairs, and Installation of Equipment.
- Salloum (RO) plant 1000m³/day:
 - Working as (O&M) Electrical Engineer.
 - Provide Direction and Make Recommendations for Preventive and Predictive Maintenance Techniques, which include Vibration and Oil analysis, as well as Pump and Compressor Improvements.
 - Provide Direction to Maintenance Personal Regarding

- Specifications, Repairs, and Installation of Equipment.
- Troubleshooting, Testing, and Implementation of Creative Solutions, which Requires Knowledge on wide variety of Electrical Equipment.
- Installation, Operation and Maintenance for Potable Water Treatment Plant (Reverse Osmosis System this plant consists of Raw Water Tank, Feed Pumps, Sand Filters, Cartridge Filters, R.O Unit, Acid Dosing Pump, Sequestering agent Dosing Pump, High Pressure Pumps, Membranes, Control Valves, R.O Instrumentation, pre-treatment Dosing Systems, Post Treatment dosing Systems, Float Switches and Electrode Sensors), RO Skids, MCCs, Wells Pumps Control System.
- Operating and Maintaining for Potable Water Treatment Plant Operates and Maintains Several Types of Pumps as Centrifugal Pumps Single and Multistage, Reciprocating pumps, Rotary Pumps, Dosing Pumps, and Several Electro mechanical Machines, this Plant Working by (SCADA SYSTEM).
- Troubleshooting, Testing, and Implementation of Creative Solutions, which Requires Knowledge on wide variety of Electrical Equipment.
- Provide Direction to Maintenance Personal Regarding Specifications, Repairs, and Installation of Equipment.

Dates : From Oct. 2003 till Jan. 2005
Employer : El Magd Elevators Company, Cairo
Job Description : Supplying Installing & Maintenance of Electric Elevators Escalators.

Dates : From Jan. 2001 till Jun. 2003
Employer : Egyptian Armed Forces
Job title : Reserve Officer

Field of experience :

- Supervisor Electro-Mechanical Engineer / Water Treatment Plant Electrical Engineer / Sewage Treatment Plant Electrical Engineer / Design for WTP & WWTP System / Sales Engineer / Operation and Maintenance Engineer.
- Review the Electrical Submittals (TRs, Generators, MCCs, MDPs, Earthing system, Cable Routing, General layout, Fire Alarm System, Administration Building Light, Telephone system, Control system (PLC & SCADA).
- Review for the following:
 - Fire alarm System.
 - Public address System.
 - Farash Call System.
 - Lightening Protection System.
 - Closed Circuit Television CCTV System.
 - Small Power System.
 - Data System.
 - Audio Visual / Audio Intercom System.
 - Structured Cabling System (SCS).
 - Automatic Bell System.
 - Earthing Systems.
 - Building Management System BMS.
- Review & approval Workshop drawings for all Projects.

- Supervise of electrical Works & materials constructions in the site.
- Review & approval Substations for all pump stations.
- Review Test Procedure for Power transformer, Low Voltage Cable and Distribution panel board (DPB).
- Inspect all electrical works & materials constructions in the site.
- Review workshop drawing for control panel and local control box according to International standard.
- Inspection of materials and equipment's in accordance with approved specs, drawings and contract condition and requirements.
- Review & approval Substations for all pump stations.
- Studying of Technical Offers and evaluation.
- Preparing the Electrical Calculation Sheet.
- Preparing the Electrical Specification for water and waste water treatment Plants.
- Preparing the Electrical Tender drawings.
- Expert in system analysis, Design and Implementation for process automation.
- Deep understanding of Water treatment and waste water treatment process, including well control and desalination plants.
- Design and review for main control center MCC.
- Review SCADA system (hardware component).
- Review Cable list and Cable routing.
- Review with the reference to contract documents Control, SCADA system and Instrumentation equipment's technical supplier submittal.
- Review & approval Distribution Panels & Control Panels, Transformers and medium Voltage Panels.