

Holds a B. Sc. in Electrical Power, Machines & Control Engineering and has over 10 years hands-on experience working in construction, design and maintenance.

PERSONAL DATA

Nationality : Egyptian
Gender : Male
Marital Status : Married
Residence : Alexandria

EDUCATION

: B. Sc. in Electrical Power, Machines & Control Engineering, Alexandria University, 2007

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: Matlab, ETAP Power Station v. 11, Cummins-Gensize, Caterpillar Specsizer v. 2.3.1, StrikeRisk v. 4.0 (Furse), Distribution Network Analyzer (DNA), DIALux 4.10, Calculux, AutoCAD 2010, Revit MEP 2012
: Programming of PIC microcontroller packages
: Programming of programmable logic control (PLC)

TRAINING COURSES AND CERTIFICATIONS

: Training course on Communication Skills by Quick-Wins Consulting Firm (May 2013).
: Training course on Reliability Centered of Maintenance (RCM) by ReliaSoft Corporation (Nov. 2012).
: Training course on Basic Condition Evaluation (BCE) & Maintenance Audit by Editya Birla Group (Oct. 2012).
: Training course on Leadership in Energy and Environmental Design (LEED201: CORE CONCEPTS AND STRATEGIES) in Dar Al-Handasah (Shair and Partners) by US Green Building Council (Aug. 2011).
: Training course on Hazard & Operability Program (HAZOP) by Egyptian International Gas Technology (GASTEC) (Oct. 2007).
: Training in Abu Qir Fertilizers Company (units 2 & 3), training visit to Sidi Krir electrical generation plant (pot. units 3 & 4) (2006).

- : Training in Egyptian Iron and Steel Company (2005).
- : Training in Abu Qir Fertilizers Company (unit 1) (2004).
- : Training in Faculty High Voltage Laboratory (2003).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Mar. 2014 till now
Employer : Sollatek Global manufacturing
Job title : Electrical Technical Manager

Dates : From May 2012 till Feb. 2014
Employer : Alexandria Fiber Company (AFCO)
Job title : Senior Electrical Engineer

Job Description :

- Make change over and load shading between the power supplies (Egyptian petrochemical feeder, Alexandria carbon black feeders (two feeders), Egyptian electrical network feeder and three 500 KVA standby generators) in case of power failure.
- Make maintenance and repair the problems of power and control system of: 810 KW 6.3KV soft starter methanol chillers motors, 360 KW 6.3KV direct on line ammonia chillers motors, 150 KW 380V Star/delta air compressors motors, 1.5 to 55 KW 380V chemical solvent area pumps, 1.5 to 55 KW 380V chemical polymerization area pumps, Control system connected to the DCS system, Fire station joke pumps and the starting of the fire diesel engine.
- Make maintenance and repair the problems of utility area (Water pump station, RO plant pumps, Effluent treatment plant pumps).
- Installation and programming of AC drive from 7.5 KW to 170 KW ABB V/F drive.
- Solving the problems of synchronous motors and permanent magnet synchronous motors.
- Working in large scale control system DCS, PLC, Classic control systems and large amount/type of detectors and sensors (Inductive Proximity sensors, Photo-Electric Sensors, Limit Switches, Pressure transmitters, Pressure switches, Capacitive Proximity Sensors and encoders).
- Make preventive and predictive maintenance for all the electrical equipment (MV Switchgear, Transformers, LV Switchgear, PFC, UPS, MCC, Motors, Motor feeders, Inverter panels).
- Inspection and testing of 12KV and 6.3KV ZS1 UniGear type MV switchgears.
- Make root case analysis for the big problems.
- Create the ISO, RCM and RCA works schedules.
- Create the daily power consumption report and the Kwh/production ton of fiber per day.
- Create the work orders, stored material issues and purchase orders on SAP system software.
- Make organization for the technicians' leaves and shift schedules.
- Attending with the administration meetings and coordinate with the other departments.

- Dates** : From Jun. 2008 till Apr. 2012
- Employer** : DAR AL-HANDASAH, Cairo
- Projects** :
- Makkah Clock Royal Tower Hotel in Saudi Arabia
 - Abraj El-Bait Towers in El-Haram zone in Saudi Arabia
 - King Saud University for Health Sciences:
 - For Riyadh site (Children's specialized Teaching Hospital, Generator Plants, Water Treatment Plant, Boiler plant, Fuel Tanks, Lifting Pump Station and MV Distributor)
 - For Jeddah site (Generator Plants, College of Nursing, Utility water tank building, Fuel tank, MV Distributor and Domestic water station)
 - For El Hassa site (Generator Plants, Lifting Pump Station and MV Distributor)
 - Saudi Arabia National guard health affairs specialized hospitals in regions – Riyadh, Jeddah, Al-Taif and Al-Qassim:
 - For Riyadh site (MV Generator Plant, RO Plant, Boiler plant).
 - For Al-Taif site (MV Generator Plant, Boiler plant, MV Chiller plant).
 - For Al-Qassim site (MV Generator Plant, Boiler plant, MV Chiller plant).
- Job title** : Electrical Engineer
- Job Description** :
- Working in the field of electrical design / site in power industry, commercial, residential, educational and hospitals.
 - Performing consulting and coordinating with other departments and clients and design of all electrical installations according to international standards & country codes (NEC, BS, IEC, etc.) including complete design and installation of: Indoor & outdoor lighting system using relevant software (Dialux), Substation medium voltage switchgear, Transformer, Low voltage switchgear, Distribution board, Distribution panel, UPS system, Electrical outlets for medical equipments and medical imaging machines, Single line diagram of LV & MV networks, Single and Three phase panel boards, Motor control center (MCC) and Motor control panel (MCP) for all mechanical equipments (Fan cool units, Air handling units, Water pumps, Chillers and all Motorized loads), Lightning & Earthing protection system, Cables, Bus bars, Cable trays, Conduits, Protective device selection, Circuit breakers sizing, Tripping settings adjustment and Relay coordination's, Short Circuit & Voltage Drop calculations, Sizing the stand by generator of Cummins and caterpillar and Estimating the bill of quantity.
- Dates** : From Aug. 2007 till May 2008
- Employer** : Egyptian International Gas Technology (GASTEC)
- Job title** : Electrical Maintenance Engineer
- Job Description** :
- Make maintenance and repair the problems of the control system on natural gas compressors (suction, delivery, enter stages) pressure, temperature, vibration, cooling system, lubrication system, gas leakage detectors, fire system. (Complete control system using PLC).
 - Make maintenance and repair the problems of power factor correction panels.
 - Make maintenance and repair the problems of the main and auxiliary motors starting.

- Make maintenance for the complete protection system for power and control panels.