

Holds a B. Sc. in Electrical Power Engineering and has about 4 years strong conceptual background and/or practical experience in the fields of Electrical Design/Installation and Automation and Control.

PERSONAL DATA

Nationality : Egyptian
Gender : Male
Residence : Alexandria

EDUCATION

: B. Sc. in Electrical Power Engineering, Alexandria University, 2007
: Finalizing preparation year of M. Sc. degree (first semester 2009)

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: TOEFL international iBT.
: Courses:

- Power systems measurements and analyzing using HIOKI PQ analyzer (Alexandria University).
- PLC SIEMENS S7-200, Middle East Human Resources Development Center.
- Non destructive Testing of Power equipment (Alexandria University).

: Trainings:

- West Delta Electricity Transmission Company (66/11KV substations).
- ABACON electromechanical contractor (San Stefano project).
- Alexandria Electricity Distribution Company (LV systems).

: Background courses include the fundamentals of: Technical Specifications, Project Management, Operation Research, Accountancy and Economics.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : Till Feb. 2010
Employer : Armed Forces

Job title : Technical Officer
Job Description : Responsible of performing the scheduled maintenance for isolated diesel power system and electrical installation in military sector.

Field of conceptual background and/or practical experience:

- Electrical Design and Installation:
 - Design and installation of LV/MV distribution systems.
 - Distribution and control panels (ATS, Synchronization, PFC, Lighting, etc.).
 - LV/MV systems protection and switchgear.
 - Power system measurements and quality analyzing using HOIKI Power Analyzer (Lab course).
 - Testing of power equipments (insulation tests, partial discharge, etc.).
 - Lighting system design using DIALUX.
 - Load estimation and all design calculations.
 - Design and installation of emergency power supplying system (diesel generator set and UPS).
 - Earthing systems design and installation in LV/MV systems.
 - Safety in Hazardous Areas: Zone Classifications and Protection Techniques in electric equipments (Ex equipment).
 - Preparation of design drawing using AUTOCAD.
 - Building management systems BMS and its field devices.
 - Fire Alarm system (detector, panels) and HVAC system (DDC, drives for compressors).
 - Good knowledge about standards (IEC, NEC, IEEE and BS).
- Automation and Control:
 - Industrial control networks (MODBUS and PROFIBUS) and power line communication (microcontroller project done).
 - Adjustable speed drives applications and motor protection.
 - Design using PLC SIEMENS S7-200.
 - Application of electrical and electro-mechanical instrument.
 - Building the Motor Control Centers.