

Holds a B. Sc. in Electrical Power & Machines Engineering and a Diploma in Power Station and Networks. Has about 14 years hands-on experience working in operation and I&C.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 04/04/1981
Gender : Male
Marital Status : Married
Residence : Mahmoudia

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Mansoura University, 2003
: Diploma in Power Station and Networks, Kafr El-Sheikh University, 2016-2017

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: MS Visio
: AutoCAD
: MATLAB programming and simulink
: PSCAD (power system computer aided design)
: Pc-controlab3 (feed back control loop simulator)
: Electronic Work Bench and Pspice

TRAINING COURSES AND CERTIFICATIONS

: Steam turbine, generator & condenser operation by ANSALDO TRAINING SCHOOL (May/June. 2010).
: Horizontal pumps & vertical sump pumps system by plant systems & services corporation TOSHIBA (Mar. 2010).
: Distributed control system (DCS) CENTUM CS3000R3 FUNDAMENTALS FOR OPERATION by corporation of YOKOGAWA (Feb. 2010).
: SIPROTEC4 – NUMERICAL PROTECTION DEVICES by corporation of SIEMENS Germany (Power Academy) (Apr. 2009).

- : SICAM PAS TRAINING by corporation of SIEMENS Germany (Power Academy) (Apr. 2009).
- : Electrical devices corporation of Egyptian Navy (from Jul. till Oct. 2004).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Oct. 2012 till now
- Project** : New El-Atf Power Station 750MW Combined Cycle (2x250 gas turbine + 250 steam turbine units)
- Job title** : I&C Engineer
- Job Description** :
- I share on major overhaul inspection for steam turbine generator.
 - Disassemble of all instrumentation as control valve actuators and vibration sensors.
 - Calibration of pressure and flow transmitters and discrete process measurement.
 - Adaptation of speed and thermocouples sensors and other maintenance practice.
 - Control Systems I work on it:
 - Control Systems:
 - ABB corporation DCS (Symphony/Harmony).
 - Diasys netmation (MITSUBISHI HEAVY INDUSTRY LTD).
 - Overall plant DCS (CENTUM CS3000R3) YOKOGAWA Corporation.
 - SICAM PAS by corporation of SIEMENS.
 - RSlogic 500 PLC Allen Bradley Company.
 - RSlogic 5000 PLC Allen Bradley Company.
 - Simatic 200 PLC Siemens Company.
 - Simatic 300 PLC Siemens Company.
 - HMI:
 - Power generation portal (PGP) version 4.1.
 - Diasys.
 - CENTUM CS3000R3.
 - WinCC.
 - PanelView Component Terminals.
 - Rsvi32 Factory talk view.
 - Siemens Simatic WinCC Flexible (2008).
 - Siemens Simatic WinCC Flexible.
 - Applications:
 - Steam turbine generator control and configuration.
 - Gas turbine generator control and configuration.
 - HRSG and pop control and configuration.
 - GIS control and operation.
 - Tube cleaning and debris filter control and operation.
 - Water treatment.
 - Trash rack.
 - Gas compressor.
 - Hydrogen generation unit.
 - Traveling screen control and operation.
 - Controlling and operating of bypass system.

Dates : From Jan. 2015 till May 2015
Employer : Ansaldo Energia
Project : Banha Project
Job title : Operation Engineer for steam turbine

Dates : From May 2009 till Oct. 2012
Project : El-Atf Power Station
Job title : First Shift Engineer
Job Description :

- Sharing and following all installation and commissioning and operation works as:
 - 220KV switchyard GIS configuration was received by SIEMENS Company.
 - 21.5/220KV step-up main transformers were received by AREVA Company.
 - 21.5/6KV step down auxiliary transformers supplied by AREVA Company.
 - 6KV switchgear and load centers and MCC supplied by Schneider Company.
- Sharing and following all installation and commissioning and operation works of gas turbine generator Frame M701F and its auxiliaries were received by MITSUBISHI HEAVY INDUSTRY.
- Sharing and following all installation and commissioning and operation works of heat recovery steam generator supplied by NEM Company.
- Sharing and following all installation and commissioning and operation works of steam turbine generator and its auxiliaries supplied by ANSALDO Company.
- Sharing and following all installation and commissioning and operation of plant pumps as:
 - Closed cooling water pumps 6KV.
 - Main circulating water pumps 6KV.
 - HP/IP HRSG feed water pumps 6KV.
- Sharing in doing a training courses and lectures for new engineers and technician operators.

Dates : From Mar. 2007 till May 2009
Project : El-Mahmoudia Combined Cycle Power Station (8x25MW GE gas turbines + 2x50MW GE steam turbines)
Job title : Shift Engineer
Job Description :

- Unit start-up and shutdown procedures for HRSG supplied by NEM.
- Monitoring recording parameters.
- Testing the equipments.
- Isolation and de-isolation procedures.
- Safety work permit system.
- Connect and disconnecting 220KV switchyard circuits.
- Connect and disconnecting 6KV switchgear equipments supplied by ABB.
- Following the major overhaul for gas turbine of General Electric units frame (5) 25MW and major overhaul for steam turbine of GE Mark V.

Dates : From Apr. 2006 till Mar. 2007
Employer : Abied Company
Job Description : Provide design & installation supervision consultant activities for the electrical systems in the new buildings.

Dates : From Oct. 2003 till Apr. 2006
Employer : Egyptian Navy Shipyard
Project : Military Service
Job title : Reservist Electrical & Electronics Engineer Officer
Job Description :

- Providing day-to-day operation / maintenance services for electrical equipment / installations on Ships & Off-shore facilities installations.
- Management of testing station and apply tests to electrical equipments such as:
 - High pot tester for insulation resistance tests.
 - Core losses tester for low voltage motors and generator.
 - DC motor and generator load tests using load bank.
 - AC motor and generator load tests using load bank.
- Rewinding defective AC single and three phase motors.
- Rewinding defective DC motors and generator.
- Insulation rising of electrical devices.
- Maintenances of DC and AC starters.
- Maintenances of battery chargers.