

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 14 years hands-on experience working as I&C Engineer and Shift Engineer at Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 23/12/1979
Gender : Male
Marital Status : Married
Residence : Mahmoudia

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Mansoura University, 2002

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: Operation and maintenance of gas turbine frame M 701 F 250MW at TAKASAGO CITY, MHI COMPANY – JAPAN (2008).
: Operation and maintenance of electric Generator 290 MVA at KOBE CITY, MELICO COMPANY – JAPAN (2008).
: Operation of combined cycle 750MW at NORTH CAIRO Power Plant.
: DCS (CS 3000) Engineering & maintenance course.
: Transducers installation & maintenance by GE (Aug. 2010).
: Fire alarm & fire fighting system by TOSHIBA Co. (Jun. 2010).
: Hydrogen generation plant by Toshiba Co.
: AUTOCAD 2D

CHRONOLOGICAL EXPERIENCE RECORD

Project : EI-Atf Power Plant
Job title : I&C Engineer

- Job Description** :
- SAT activities, start-up and commissioning of DCS of Yokogawa Centum 3000 of the power plant:
 - Modification of the system and marshaling panels and so in the loop drawings and wiring diagrams.
 - Modification in engineering and the graphics of the system.
 - Start-up and commissioning of the Schneider PLC with its HMI, monitor PRO SCADA systems to implement the required sequence, controlling and monitoring actions.
 - Instructing the client in the operation and engineering training course.
 - Preparing as built documents of the system.
 - Field instrument installation and commissioning.
 - Sharing in the construction and commissioning of El-Atf Power Plant which consists of:
 - Two Mitsubishi gas turbine units, frame M701F (250MW) Diasys control system and its auxiliaries (lubrication oil circuit, Control oil circuit, generator seal oil circuit, generator cooling Circuit by hydrogen, air circuit, fuel oil circuit, fuel gas circuit and its compressors by Atlas Copico Co.).
 - One steam turbine (250MW) by Ansaldo Company, DCS System Control (symphony harmonic) by ABB and its auxiliaries (lubrication oil and lifting circuit, Control oil circuit, generator seal oil circuit, generator cooling Circuit by hydrogen, air removal system (vacuum).
 - Two step up transformers (21/220KV), one step up transformer (15/220KV), two step down transformers (21/6/6KV), three excitation transformers (21KV / 380 V – 15KV / 380 V) and their protection by Areva Company.
 - Two heat recovery steam generators (HRSG) by NEM Company, with DCS control system (Centum CS 3000) by Yokogawa Middle East Company (YME) and their auxiliaries Feed water pumps by Ibara Company.
 - Switchgear (6.6KV), PLC control and pro Scada monitoring and control by Schneider Company.
 - Installation, testing and commissioning of 220KV gas insulated bus bar (GIS), one and half circuit breaker switchyard by Siemens Company.
 - Installation, testing and commissioning of fire alarm and Fire fighting system.

Project : El-Mahmoudia Power Plant

Job title : Shift Engineer

- Job Description** :
- Unit start-up and shut down procedures for GE gas turbine & Steam turbines Mark V control and NEM Heat Recovery Steam Generator DCS control.
 - Monitoring parameters, testing equipments.
 - Safety work permit system:
 - Isolation and de-isolation procedures for 220KV and 66KV bus bar which contain sf6 circuit breakers, Line isolators, earthing isolators, wave traps, Surge arrestors.
 - Isolation and de-isolation procedures for 11/220KV Step-up transformers.

- Isolation and de-isolation procedures for 220/66/11KV Distribution transformers.
- Isolation and de-isolation procedures for 6.6KV Switchgear contain sf6 circuit breakers.
- Sharing in the following maintenance sections for GE steam turbine:
 - Measure and record rotor axial & radial position.
 - Diaphragm alignment checks and required adjustment.
- Sharing in the following maintenance sections for GE gas turbine:
 - Combustion inspection and major inspection.

- Field of experience** :
- Applicable experience in configuration and operation of DCS and Human-Machine Interface.
 - Develop & maintain control SW for electrical power plants and relevant auxiliaries.
 - Issue and manage control system documentation.
 - Attend technical meetings with customers, handling of plant commissioning and start-up activities.