

Holds a B. Sc. in Electronics Engineering and a Postgraduate Diploma in Control System. Has about 19 years hands-on experience working in I&C field at El-Kureimat Power Plant.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 11/01/1973
Gender : Male
Marital Status : Married
Residence : Giza, Cairo

EDUCATION

: B. Sc. in Electronics Engineering (Control & Measurement), Menoufia University, 1996
: Postgraduate Diploma in Control System, Cairo University

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Access, Power Point), Internet
: EMPAC, UNIX

TRAINING COURSES AND CERTIFICATIONS

- : Training course on microprocessor (concepts & applications) PC4 at Network Training Center (Feb./Mar. 1999).
- : Training course with ANSALDO Co. on study of electrical and instrumentation system theory and application.
- : Training course with WESTINGHOUSE Co. (WDPF II) about Distributed Control System (DCS) & Data Acquisition System (DAS), from Nov. 1999 till Feb. 2000 (hardware & software).
- : Training course on preventive maintenance / life extension and advanced technology for steam & gas power plant and environmental improvement systems with HITACHI.
- : Completed the following Ovation WIN training courses at Emerson Training Center in Warszawa:
 - OV001-WIN Introduction and Project Planning.

- OV100-WIN Data Acquisition.
 - OV200-WIN Building Control.
 - OV210-WIN Building Graphics.
 - OV250-WIN Serial Link Configuration.
 - OV295-WIN Ovation with OPC.
 - OV280-WIN Ovation with SCADA.
 - OV270-WIN Smart devices & AMS.
 - OV220-WIN System Installation.
 - OV230-WIN System Administration.
 - OV245-WIN Process Historian & Report Mgr.
 - OV320-WIN Network Administration.
 - OV360-WIN System Security.
 - OV300-WIN Ovation Troubleshooting.
- : Training course of WORK ORDER / WORK REQUEST/ASSET through EMPAC program of ORATECH CO.
- : Training course with GE about MARK VI.
- : Training course with ABB about DCS AC800M.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Aug. 1997 till now
- Projects** : EI-Kureimat (2x627MW) Thermal Power Station:
- 2 Steam Turbines, 650MW each GE Control system is MARK V.
 - 2 Conventional Boilers, 36 Burners (BABCOCK WILCOX – Canada).
 - Water treatment plant Control system is PLC GE FANUC LM 90-70.
 - The plant is controlled via WESTINGHOUSE DCS (WDPF) control system.
- EI-Kureimat ISCC (Integrated Solar Combined Cycle):
- 1 Steam Turbine, 60MW (Siemens), Control system is SIMATIC PCS7.
 - 1 Gas Turbine, 80MW (GE), Control system is MARK 6.
 - 1 (HRSG) Heat Recovery Steam Generator with solar field (NEM).
 - The plant is controlled via ABB DCS (AC800M) control system.
- Job Description** :
- I&C Deputy Manager (from 2011 till now):
 - Supervision the maintenance activities.
 - Prepare the spare part list
 - Training the new staff.
 - Prepare all technical reports.
 - I&C Supervisor Engineer (from 2006 till 2011):
 - Planning for outage activities.
 - Prepare the technical procedures and review the logic.
 - Analysis the defects and trouble shootings.
 - Cooperation with the operation team for safe operation of all the systems.
 - Prepare all technical reports.
 - Supervision the maintenance activities.
 - Training the new staff.
 - I&C Maintenance Engineer (from 1997 till 2006):
 - Review the construction drawings and the logic drawings as well.
 - Supervision of erection for Control Panels.
 - Supervision of commissioning activities.

- Prepare the systems for start-up and operation.
- Prepare the progress and issue the weekly and monthly reports.
- Attend all the tests.

- Field of experience** :
- Make the wiring diagram & commissioning and loop check for boiler feed pumps at ABU SULTAN Power Plant (replacement old pumps with KSB pumps).
 - Make a logic for KSB pumps at ABU SULTAN Power Plant.
 - DCS WDPF configuration.
 - DCS ABB Hardware and connections.
 - Control Builder for DCS ABB.
 - HMI configuration.
 - GE MARK VI.
 - Hardware configuration.
 - Maintenance of the field installed device and troubleshooting for any problem occurred in the field instrumentation.
 - Flow - Level - Pressure - Temp (Transmitters, Switches, Indicators).
 - Designing and implementing digital control and analog control system using ladder and loops programming.
 - Designing and editing graphics on the monitors representing the life status of equipments.
 - Calibration, testing & maintenance for pneumatic control & on/off valves and dampers.
 - All boiler instruments & control sys. Commissioning & loop checks to DCS SYS.
 - Flame scanner control system.
 - Troubleshooting & maintenance all equipment for WDPF system (DCS).
 - Loading WDPF Software Server and other westitions.
 - Backing up the system.
 - Reloading the system.
 - Diagnostic check troubleshooting and maintenance of instrumentation and control Equipment in power plant. Through control loops and ladders, field instruments and control Actuators, calibration and maintenance.
 - Flue gas analyzers calibration, testing & maintenance.
 - Calibration, loop checks & maintenance for all field instruments of (Feed Water cycle, Cond. Water cycle, Heaters, Dearator, Condenser, Hot Reheat steam, Main Steam, Aux Steam, Temptation System and Drains System).
 - All boiler instruments & control sys. Commissioning & loop checks to DCS SYS.
 - Job Skills:
 - Control loops tuning.
 - Fault diagnostics and Analysis.
 - Control circuit design.
 - Training the new staff.