

Holds a B. Sc. in Automatic Control & Measurements Engineering and a Diploma in Automatic Control Systems. Has about 15 years hands-on experience working in I&C at El-Kureimat Power Station.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 01/01/1977
Gender : Male
Marital Status : Married
Residence : Beni Suef

EDUCATION

: B. Sc. in Automatic Control & Measurements Engineering, Menoufia University, 2000
: Diploma in Automatic Control Systems, Cairo University, 2016

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Basic course of the operation and maintenance of steam power stations in EL-KUREIMAT Training Center.
- : Basic course of the operation and maintenance of combined cycle power plant in NUBARIA Power Station 2x750MW combined cycle Siemens Gas Turbine.
- : Training course in SIEMENS Company in GERMANY in the basics of automation for gas turbines (3 weeks) (Aug. 2006).
- : Training course in GE turbine control sys (MKV control) by supervisors engineer in El-Kureimat Power Station.
- : Training course by GE Company in Egypt in how to use (complicity – HMI) to upgrade the operating sys for mkv to be working under windows.
- : Training course in AUMA Company in Egypt in how to maintenance the AUMA motorized valves.
- : Training course in Egypt by EMERSON Company in how to use OVATION control sys.

- : Training course in GE Company in United States (in Colorado - Denver) on how to use, configure, download & maintenance the MK VIe control system.
- : Training course by EMERSON Company in Egypt in CSI 6500 vibration monitoring system for Turbine.
- : Training courses in CANON Company in Egypt (photo copier machines).
- : Training course in Egyptian Development Company (APS-UPS) devices.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From 2003 till now
- Employer** : Upper Egypt Electricity Production Co. (UEEPC)
- Project** : El-Kureimat Power Sation (2x627MW):
- 2 Steam Turbines, 650MW each (GE), Control system is MARK VIe.
 - 2 Conventional Boilers, 36 Burners (BABCOCK WILCOX - Canada).
 - The plant is controlled via Emerson (OVATION) control system.
- Job title** : Supervisor I&C Commissioning & Maintenance Engineer
- Job Description** :
- 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 equipment's.
 - Calibration, testing & maintenance for pneumatic control & on/off valves and dampers.
 - All boiler instruments & control sys. Commissioning & loop checks to DCS SYS.
 - Flame scanner.
 - Diagnostic check trouble shooting 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, Deaerators, Condenser, Hot Reheat steam, Main Steam, Aux Steam, Temptation System and Drains System).
 - All boiler instruments & control sys. Commissioning & loop checks to DCS.
 - Working on GE (turbine control sys) (MKV Speedtronic) & (MK VIe) for large steam Turbine (2x627MW) in the field of loop checking – maintenance all field Instruments related to turbine as lube oil sys - stator cooling sys - H2 seal oil sys steam seal & gland steam condenser sys - oil purifier & oil conditioner skid.
 - Calibrating all kinds of field instruments connected to turbine different sys, Control valves, motorized valves, hydraulic valves, switches, indicators, transmitters, field controllers, field controllers' analyzers, flow meters....
 - Maintenance the turbine vibration probes in (Bentley Nevada sys) & (CSI 6500).

- Analyzing & trouble shooting the problems related to hardware or software for MKV control sys.
- Working in ALLEN BRADLEY PLC control sys for turbine bypass sys.
- Maintenance Engineer for firefighting sys: (Water sys / sprinkler sys / Pre-action sys / foam sys / FM 200 sys) (Fire troll panels).
- Preparing the required spare parts list and preventive maintenance schedules.
- Working on the schedule outage for GE large steam turbines at El-Kureimat.
- Commissioning & Start-up schedule for upgrading MKV control system to MKVIe under supervision of GE Company.
- Commissioning & Start-up schedule for upgrading WDPF (Westinghouse) to OVATION sys especially (the soot blower) sys.
- Leader of a team working in the following fields:
 - Condenser tube cleaning sys (Tapprogge sys) & debris filter checking, testing logic circuits for plc, commissioning, loop checking all control circuits, trouble shooting & maintenance software and hardware.
 - Air compressors (PLC controllers) checking, testing logic circuit using (PLC5, SLC500) testing, loop checking & calibrating all field instruments.
 - Water treatment plant and waste water (working with GE FANUC LM 90-70) loop check test, calibration, maintenance for all field instruments and checking all control circuits of the plant.
 - Loop checking, testing, calibration & maintenance for all field instruments for polishing system (working with GE FANUC LM 90-70 control system) - chemical feed system - hydrogen plant (air dryers - chlorination sys & filter press sys (using GE - Fanuc LM 90-30).
 - Maintenance and calibrate AUMA valves (motorized valves).
 - Install & check MOXA network for water treatment plant.
- Team Manager in replacing SOOT BLOWER CABINETS (were operated by SIMATIC PLC) by others operating by OVATION control sys (EMERSON) and make all testing and commissioning schedules and make a complete report to EMERSON COMPANY.
- Work on EMPAC program for routing of maintenance works from work request and work order till close the work and report complete.
- Review & add the recommended spare parts for instruments & control system.

Dates : From 2001 till 2002

Job Description : Installing & Maintenance Engineer for (APS - automatic power supply) & (UPS - uninterruptible power supply) devices working with acid batteries.

Dates : From 2000 till 2001

Employer : CANON Company for photo copier machines

Job title : Maintenance Engineer

Further experiences : Planning and designing (electrical & conduits) wiring and maps for under grounding telephone network for centrals of (Ismailia – Sheikh Zaid –

Kasfrete) in my military period.