

Holds a B. Sc. in Industrial Electronic & Control Engineering and a Diploma in Automatic Control. Has more than 10 years hands-on experience in the field of commissioning, start-up and maintenance of all kind of instruments.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 29/05/1979
Gender : Male
Marital Status : Married
Residence : Helwan

EDUCATION

: B. Sc. in Industrial Electronic & Control Engineering, Menoufia University, 2001
: Diploma in Automatic Control (Electrical Power & Machines), Cairo University, 2004

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel), Internet

TRAINING COURSES AND CERTIFICATIONS

- : I&C Maintenance training for Heat Recovery Steam Generator at SKODA PRAHA A.S., Prague – Czech Republic (Nov. 2007):
- Chemical analyzers.
 - Electrical supply (MCC).
 - Vibration evaluation equipment.
 - Chemical injection system.
 - Pressure, temperature and other transmitters' installation and maintenance.
- : I&C Maintenance training for Heat Recovery Steam Generator at CMI (Cockerill Maintenance & Ingénierie), Seraing – Belgium (Nov. 2007):
- Auma actuators adjustment and maintenance.
 - Maintenance of Drum level indicators and transmitters.

- Pneumatic actuators adjustments and maintenance.
- Maintenance of Ball valves for desuperheater insulation.
- Control valves assembly/disassembly:
 - Flow element calibration.
 - HRSG P&ID and water survey.
 - HRSG design& operation principles.
 - HRSG module inspection.
- : I&C Maintenance training for Heat Recovery Steam Generator at SIGMA PUMPY HRANICE, Olomouce – Czech Republic (Nov. 2007):
 - HP, LP and condensate pumps mechanical description and design.
 - Pumps characteristic, maintenance and troubleshooting.
- : I&C Maintenance Training for Water Treatment Plant at METITO Water Treatment, EL-Kureimat II Combined Cycle Project 750MW, Egypt (from Dec. 2007 till Jan. 2008):
 - All motorize and control valves adjusting and testing.
 - Overview for water & waste water treatment control system (Allen Bradley RsLogix5000).
 - Advanced program instructions for Allen Bradley RsLogix5000.
 - SCADA system (RSView32) advanced tags and troubleshooting rules protection system (AS620F) Overview.
- : Allen Bradley Control Logix Maintenance at REDA EL SEWEDY (Digital Automation Trainings Representative in North Africa and the Middle East), Cairo – Egypt (Sep. 2007):
 - Control Logix architecture.
 - Addressing, tags and data formats.
 - Project structure, programs & tasks.
 - Hardware configuration.
 - Data monitoring using the data table.
 - Introduction to the Control Logix.
 - The basic instruction set.
 - Forcing techniques.
 - Fault finding principles.
 - Math's functions.
- : Allen Bradley SLC 500 Maintenance at REDA EL SEWEDY, Cairo – Egypt (Sep. 2007):
 - RS Logix architecture.
 - Hardware configuration.
 - Introduction to the RS Logix.
 - The Basic instruction set.
 - Forcing techniques.
 - Fault finding principles.
 - Math's functions.
- : RSView32 at REDA EL SEWEDY (Digital Automation Trainings Representative in North Africa and the Middle East), Cairo – Egypt (Jul. 2007):

- Introduction to RSView32.
 - Introduction to tags animation.
 - Using the graphic library.
 - Using analogue tags.
 - Data logging.
 - Creating Project.
 - Configuring communication to PLC.
 - Using digital tags.
 - Using RSView32 commands.
 - Security.
- : I&C Maintenance Training for Siemens gas turbine 2x250MW TELEPERM XP DCS Control System at SIEMENS A.G. in Karlsruhe – Germany (Aug. 2006):
- AS620B Basic System Course for Automation.
 - AS620B Advanced Training for Service.
 - OM650 Basic System Course.
 - OM650 Advanced Training for Service.
 - Protection System (AS620F) Overview.
 - Fast Digital Control system (AS620T) Overview.
 - Controller Function Overview.
- : Troubleshoot Analog & Digital Electronics Technology at SITCO, Cairo – Egypt (Nov./Dec. 2005):
- Testing passive, analog & digital devices & Out of Circuits.
 - Technique of troubleshoot analog & digital electronics technology.
 - Fundamentals of positive, analog & digital devices operation & application.
- : Ovation training courses (OV010-WIN, OV210-WIN, OV100-WIN, OV200-WIN), EMERSON, El-Kureimat II Combined Cycle Project 750MW – Egypt (Nov. 2008).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Sep. 2006 till now
- Project** : El-Kureimat II Combined Cycle Project 750MW – EEA:
- 2 Gas Turbines V94.3A, 250MW (SIEMENS).
 - 2 Heat Recovery Steam Generations (CMI-SKODA).
 - 1 Steam turbine 250MW (HITACHI), Control System is MARK VI GE.
 - 1 Water treatment (Demin, Potable) and waste water plant (METITO).
 - The plant is controlled via EMERSON DCS Control System (OVATION).
- Job title** : I&C Commissioning, Start-up & Maintenance Engineer
- Job Description** :
- Supervising of DCS installation (power supplies, I/O card, controller, data highway, engineering station, operator station), checking and troubleshooting from the filed up to the ovation system.
 - Reviewing of project drawing and logic diagram and commenting as per contract specification.

- Check and maintain the software and hardware of the control systems.
- Co-ordination of commissioning activities (loop checks, functional test, hot commissioning and system start-up).
- Pneumatic control & on/off valves calibration, testing & maintenance.
- Motorize valves adjusting, testing & maintenance.
- Boilers filed instruments test, calibration, loop checks & maintenance.
- Commissioning & loop checks to DCS System.
- Investigate and analyze the defects and trip causes before and after turnover.
- Maintenance activities for field measuring instruments and equipment in the plant.
- Sharing electrical maintenance to solve compound problems and defects between electrical and I&C.

Dates	:	From Jun. 2004 till Sep. 2006
Project	:	EL-Kureimat I Power Station 2x650MW – EEA: <ul style="list-style-type: none"> • 2 Steam Turbines, 650MW (GE), Control System is MARK VI GE. • 2 Conventional Boilers, 36 Burners (BABCOCK & WELCOX, Canada). • Water Treatment and waste water plant (BAMAG). • The plant is controlled via WESTINGHOUSE DCS (WDPF) Control System.
Job title	:	I&C Maintenance Engineer
Job Description	:	<ul style="list-style-type: none"> • Designing and implementing digital control system using ladder programming language. • Designing and implementing analog control system using loops programming language. • All pneumatic control & on/off valves calibration, testing & maintenance. • Motorize valves adjusting, testing & maintenance. • All boiler filed instruments test, calibration, loop checks & maintenance. • All control & on/off dampers calibration, testing & maintenance. • Flue gas analyzers calibration, testing & maintenance all boiler. • Instruments & control system commissioning & loop checks to DCS System. • All control systems logic circuits for main pumps (6.3KV) through DCS. • Calibration, loop checks & maintenance for all field instruments of (feed water cycle, cond. water cycle, heaters, dearator, condenser, hot reheat steam, main steam and aux steam). • Diagnostic trouble shooting and maintenance of instrumentation and control equipment in power plant through control loops and ladders. • Maintenance of the field installed device and troubleshooting for any problem occurred in the filed instrumentation like flow, level, pressure, temp (Transmitters, Switches, Indicators) and vibration, speed, thermocouples, RTD devices.