

Holds a B. Sc. in Electronics Engineering and has about 16 years hands-on experience, including 10 years working as I&C Engineer and 5 years in operation of Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 08/04/1975
Gender : Male
Marital Status : Married
Residence : Currently Dubai, UAE

EDUCATION

: B. Sc. in Electronics Engineering, Mansoura University, 2000

LANGUAGES

Arabic : Native Language
English : Excellent

COMPUTER SKILLS

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

TRAINING COURSES AND CERTIFICATIONS

- : ALSTOM (ALSPA SYSTEM):
 - TGC-S-P3-MA5-P320 TGC-S maintenance (enhanced), DEWA (UAE) (Aug./Sep. 2013).
 - CAD02_S6 Controcad long, DEWA (UAE) (Sep. 2013).
- : SIEMENS (Germany):
 - Gas Turbine Total Orientation Training for Jebel Ali M, SIEMENS (Germany) (Mar./Apr. 2010).
 - I&C Maintenance Training for Jebel Ali M, SIEMENS (Germany) (Feb./Mar. 2011).
 - SPPA-T3000 Engineering, Maintenance & Service, SIEMENS (Germany) (Sep./Oct. 2011).
 - CM-T3000 Training for the "Jebel Ali M" in Karlsruhe, SIEMENS (Germany) (Feb. 2011).
 - SPPA-T3000 System Setup S: T3SET, SIEMENS (Germany) (Feb. 2011).
 - SPPA-T3 000 Engineering, Maintenance & Service S: T3EMS, SIEMENS (Germany) (Jan./Feb. 2011).
 - I&C Engineering with SPPA-T3000, DEWA (UAE) (Sep. 2011).

- : Enhanced Productivity Skills and Maximizing Your Personal effectiveness (Dubai) (Jul. 2011).
- : Major hazardous and emergency planning training, DEWA (UAE) (Mar. 2010).
- : Fire detection and fighting system of Jebel Ali Power Station "M", DEWA (UAE) (Jan. 2011).
- : Risk assessment, First Aid, DEWA (UAE) (Jan. 2012).
- : Organizational Excellence Self Assessment Based on Dubai Government Excellence Program (DGEP) Model Criteria and RADAR Assessment Logic, Dubai (UAE) (Jul. 2011).
- : Process Control Instrumentation & Sensor.
- : Programmable Logic Controllers (PLC) & Supervisory Control and Data Acquisition (SCADA) System (Level 1).
- : Management Skills & Techniques for Engineers, the 7 Habits of Highly Effective People, (NLP), Crisis Management, Effective Supervisory Skills.
- : Trainings during the work in New Talkha 750MW Combined Cycle Power Station:
 - Control System in Gas Turbine in MDEPC (Middle Delta for Electricity Production Company).
 - Control system in Water & Waste Water Treatment by WTD (WATER TREATMENT & DESALINATION) / PEP ARAB.
 - Maintenance of 270MW Steam turbine & generator and steam turbine control system by ALSTOM Power Generation in Site.
 - Basics of measurement instruments and control system in MDEPC (Middle Delta For Electricity Production Company).
 - Function, operation and maintenance of TAPROGGE Condenser tube cleaning system and Debris filter.
 - Fire Fighting training in (Fire Detection System, Deluge System, Pre-action Sprinkler System) operation and maintenance.
 - Preventive maintenance / life extension and advanced technology for Steam & Gas Power Plant and Environmental Improvement Systems.
 - Control System in Gas Turbine in MDEPC (Middle Delta for Electricity Production Company).
 - Basics of measurement instruments and control system in EDEPC (East Delta For Electricity Production Company).
 - Training courses for maintenance 270MW steam turbine & generator and steam turbine control system in ALSTOM Power Generation Training Center in (Mannheim / Germany).
 - Civil defense and fire fighting.
 - Operating of G.I.S. Substation in EDEPC (East Delta for Electricity Production Company).
 - Maintenance of transformers and electric testing in EDEPC (East Delta for Electricity Production Company).
 - Training certificate from WTD COMPANY in the field instrumentation including:
 - Dosing pump actuators.
 - Transmitters (level, pressure, flow, temperature).
 - Gauges and switches.
 - Control valves.
 - Ultrasonic level transmitter.
 - Training course in the field of HRSG control.
 - Training course in the field of DCS maintenance.

- Training course in the field of ALSTOM steam turbine maintenance in north Cairo power station.
 - Training certificate in using some of the laboratory devices such as IC tester, frequency generator, IC programmer, etc.
- : Trainings during the work in Damietta Combined Cycle Power Station (1350MW):
- Training period in the field of operation and maintenance of Siemens Gas Turbine v94.2a.
 - Training period in the field of operation of HRSG (Boilers).
 - Training period in the field of steam turbine operation.
 - Training period in the field of instrument maintenance.
 - Satisfactorily completed the Emerson American company's process course as an operation operator, also attended the commissioning process (certificate).

CHRONOLOGICAL EXPERIENCE RECORD

Dates	:	From Feb. 2010 till now
Employer	:	Dubai Electricity and Water Authority (DEWA)
Job title	:	I&C Engineer
Job Description	:	<ul style="list-style-type: none"> • Schedule, execute and monitor the maintenance activities as well as I&C overhauling activities of the field Instrumentation and control equipment in the assigned area and assign resources, in line with the maintenance or overhaul schedule. Estimate and arrange procurement of the operational and strategic spares, with the objective to ensure reliability, quality and safety centered maintenance and thereby support the organization's effort in accomplishing its mission and to drive towards its vision, within the framework of departmental quality and safety procedures and the directives of supervisors in line with the scope of DEWA in-Focus targets and objectives. • Desalination units field instruments: (MSF 22 evaporator stages), Brine recirculation pumps BRPs, condensate pumps, Brine blow down BBDs, vacuum system. • Blending plant field instruments: (17 limestone filters), CO2 absorbers, distillate poster pumps. • Hypo-chlorination station field instruments: Electrolyzers, hypo-chlorination continuous and chock dosing. • Potable water field instruments: (4 blending chambers), 7 potable water export pumps, Complete CLO2 system (HCL+NACLO2) controlled by Siemens PLC S7. • Sea water intake field instruments: (54 ultrasonic level transmitters, 9 main sea water pumps, 6 Seam condenser cooling pumps, 6 Aux. cooling water pumps), traveling band screen, trash rack screens). • Preventive maintenance (PM) Planning for all areas of scope. • Cold/function commissioning experience for all areas of scope. • Overhaul activities planning/Prepare final reports for all areas of scope in addition to attend overhaul meetings. • Common mode failure study (CMF)/ Prepare the final study reports based on the available documents for all areas of scope. • Control system Siemens SPPA T3000: All desalination units and common systems are controlled by Siemens SPPA T3000;

responsibility was given to me to maintain the control system with the following details:

- SPPA T3000 System: Hardware and software architecture, redundancy and peripherals.
 - Engineering: Function diagram, plant display, archive, integrated engineering, using AF blocks and prototypes, creating macros, creating trend displays.
 - Basic operation: Display navigation, alarm sequence display ASD, trouble shooting, trends, diagnostic view and dynamic function diagram.
 - Commissioning: point view, online change of parameters, forcing ports, HW-proxies, I/Os, logic, motor control, Actuator, protection, closed loop controller, subgroup controller, basic and advanced graphics.
 - Maintenance: system diagnosis, shutdown and reboot, backup and restore, archive management (swap out). Process value simulation and optimization, troubleshooting, Application server HW components diagnosis and replacement.
 - Governor Control: HW & SW Architecture, FM458, AddFEM fast I/O, Simulation of fuel control valve and IGV for Service or Maintenance purpose, GT flight recorder hardware and software configuration.
 - Protection: basic principles, Diagnostics and Maintenance.
 - Advanced Maintenance: HW/SW-Architecture, Advanced Engineering, Black box coupling.
 - Open loop Control: GT Start-up and Shut-down, GT-Protections, Field Device Diagnostic.
 - Failsafe: S7 400F-architecture and integration of S7 400F, exchange of I/O Modules, Power Supply and CPU for failsafe and application in SPPA-T3000 Workbench.
- SAP GUI system: Very good user of SAP Mawad & Kawader system.
 - Technical reports: Very good experience in writing technical reports.
 - Spare parts: Very good experience in tendering / purchase spare parts / communication with suppliers.
 - Training: Very good experience as a training coordinator.
 - Tool box talk: Prior job start tool box talk to be given to the staff for safety.

Dates	:	From Aug. 2007 till Feb. 2010
Employer	:	Middle Delta Electricity Production Company (MDEPC)
Project	:	New Talkha Combined Cycle Power Station 750MW
Job Description	:	<ul style="list-style-type: none">• Responsible for field instruments Calibration/Maintenance (process Transmitters, sensor, analyzers, actuators, Positioners, vibration, switches, ultrasonic level transmitters, proximities and Pneumatic / Hydraulic/ Motorized Control valves.• Responsible for Maintenance of Siemens Gas Turbine ver94.3a.• Working with (ALSTOM, CMI, SKODA and SIEMENS) during the construction cold/hot commissioning and maintenance and testing/performance procedure.• Loop and performance tests for all field instruments, Install and terminate wiring, complete functionality checks, and troubleshooting.• I have participated in all pumps / motors / valves function tests and

Commissioning of GTG & STG & HRSG (Heat Recovery Steam Generator).

- I have participated in major and minor Inspection activities for Siemens Gas Turbines.
- I have worked with both analog (4-20mA) signals and digital (logic 0,1) signals and the related I/O modules FUM210, FUM232, FUM230 and Digital I/O boards SM322, SM331, SM332 and MODBUS Communication CP341.
- I have worked with both open loop and closed loop (with feedback signals) systems.
- I have a good experience with controller of (SIEMENS (Simadyn), EMERSOM (Ovation), and ALSTOM (Controcad)), Siemens SPPAT3000.
- Assist the Manager Project Engineer in the Discipline of Work Installation, Commissioning and maintenance.
- Activities of the New Combined Cycle Project.
- Review the I&C Drawings, Submittals and Pre-Qualification of Contracts in Package (CP-101, CP-105, CP-106 and CP-111).
- I was Witness of I&C Official Test and Review logic and control systems.
- I was Witness of I&C Construction of PLC & DCS Controller and Review its Logic.
- I was sure about that the Construction is done according to the written Specifications.
- I have reviewed the Inspection test Plan for Project Items.
- I have participated in DCS upgrading in Damietta Combined Cycle Power Station.
- I have worked with Windows xp based operator interfaces.
- I have a good knowledge of Gas/Steam turbine maintenance and operational theory.
- Supervise (I&C) Technicians.
- I have prepared a punch list of about 1000 items for the contractor and subcontractor.
- I have an experience in attending official meetings in the period of commissioning and start-up.

Dates	:	From Jan. 2006 till Aug. 2007
Employer	:	Middle Delta Electricity Production Company (MDEPC)
Project	:	New Talkha Combined Cycle Power Station 750MW
Job title	:	I&C Maintenance Engineer
Job Description	:	<ul style="list-style-type: none">• Assist the Manager Project Engineer in the discipline of work installation commissioning.• Activities of the New Combined Cycle Project.• Review the I&C drawings, submittals and pre-qualification of contracts in package (CP-101, CP-105, CP-106 and CP-111).• Witness of instruments construction work and commissioning.• Witness of I&C official test and review logic and control systems.• Witness of I&C construction of PLC & DCS controller and review its logic.• Work on PLC & DCS of Siemens (Symatic S5 & S7) in Gas Turbine, Emerson & Alstom in HRSG and Steam Turbine.

- Be sure about that the construction is done according to the written specifications.
- Review the inspection test plan for project items.
- Participated in testing and commissioning of GTG & STG & HRSG (Heat Recovery Steam Generator).
- I&C maintenance of Siemens gas turbine ver94.3a.
- Work on the controller of Siemens (Simadyn), Emerson (Ovation) & Alstom (Controcad).
- Working with ALSTOM, CMI, SKODA and SIEMENS during the construction, commissioning and testing procedure.
- Work on testing of measurement devices (temperature, pressure, level and flow transmitters).
- Calibration of measurement devices (temperature, pressure and level transmitters).
- Making the Loop and Performance Test while commissioning.
- DCS maintenance (logic and graphic).
- Implement control constant modifications.
- Work with Windows XP based operator interfaces.
- Work with both analog and digital controls and signals.
- Work with both open loop and closed loop (with feed back signals) systems.
- Have a working knowledge of gas/steam turbine maintenance and operational theory.
- Install and terminate wiring, complete functionality checks and troubleshooting the turbine control system.
- Supervise I&C Technicians & Electricians.
- Installing, commissioning and troubleshooting the Turbine Control System for gas turbines.

Dates	:	From 2000 till Dec. 2005
Project	:	Damietta Combined Cycle Power Station (1350MW)
Job title	:	DCS Operation Engineer
Job Description	:	<ul style="list-style-type: none"> • Operation and monitoring of 6x135MW (SIEMENS) Gas Turbine v94.2a from local operation panel and from DCS. • Operation and monitoring 3x140MW (GEC-ALSTOM) Steam Turbine DCS. • Operation and monitoring 6x250 T/H, 70bar (BORSIG) Boiler HP & LP), HRSG (Heat Recovery Steam Generator) from DCS. • Operation and monitoring 220KV, 66KV (AEG) switchgear. • Operation of plant auxiliaries (BOP): Atlas Air compressors, Air conditioning (chillier), Fire fighting system (quick star, ziner, minimax). • Operation of the closed cooling water system. • Operation of the emergency diesel generator (caterpillar). • Perform start-up/shut-down sequencing. • Familiar with health safety rules. • Can manage to safe the Gas/Steam Turbine unit at the start-up or shutdown mode also at trip. • Troubleshooting.

Further Knowledge & Experience:

- Using and dealing with the following devices:
 - FONTON SMD desolders and solder machine.
 - Transistor tester device.
 - Handy linear IC tester device.
 - Frequency generator GFG 8050 device ranges from 0 to 5MHZ.
 - Frequency counter ranges from 0 to120 MHZ.
 - Oscilloscope GOS 810S.
 - DC power supply (GPS 3030000) ranges from 0 to 3A and 0 to 30Vdc.
 - Resistance box.
 - IC programmer device.
- Job related skills:
 - DCS Application servers skills.
 - Siemens PLC skills.
 - Siemens DCS SPPA T3000 (logic simulation / forcing / modification / troubleshooting).
 - Spare parts management / purchase / tenders skills.
 - Instruments preventive maintenance (PM) skills.
 - 2oo3 Protection.
 - Common Mode Failure Study CMF.
 - Computer Skills.
 - SAP.
 - MAXIMO.
 - Leadership Skills.
 - Work Skills.
 - Time Management.
 - Research Skills.