

Holds a B. Sc. in Electrical Engineering and has about 14 years of hands-on experience in instrument and control systems installation, commissioning and start-up for power plants and industrial projects.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 07/01/1975
Gender : Male
Marital Status : Married
Residence : Currently KSA

EDUCATION

: B. Sc. in Electrical Engineering (Automatic Control & Computer),
Tanta University, 2000

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: Programs of engineering drawings (AutoCAD 2D, Visio, 3dHome, etc.)
: Software programming (more than one language programming)
: Database programs (SQL, Access, etc.)

TRAINING COURSES AND CERTIFICATIONS

: On-shore training courses in:

- Heat Recovery Steam Generation Operation and Maintenance, NEM Co.
- Hydrogen Generation Plant Operation and Maintenance, TOSHIBA Co.
- Maintenance DCS YOKOGAW CENTUM CS 3000 R3 Hardware and software.
- HIS operation of YOKOGAW CENTUM CS 3000 R3, YOKOGAW Co.
- Tuning the control valves of HRSG, YOKOGAW Co.
- Maintenance and operation of 701F Mitsubishi GAS Turbine, MHI Co.
- Maintenance & Tuning the control valves, MHI Co.
- Maintenance and installation of Allen Bradley RSlogix5000, RSlinx, Data Base Installed on CEMES, NEM Co.
- Maintenance and installation of EBARA Pumps, EBARA Co.

- Maintenance of Continuous Emission Monitoring System for exhaust gas of Turbine (Analyzer, Equipment), NEM Co.
 - Maintenance of Heat Recovery Steam Generation Control valves and Instrumentation, NEM Co.
 - Maintenance Heat Recovery Steam Generation Water Chemistry and Safety (Dosing System and Chemical Analysis Instrumentation), NEM Co.
 - Maintenance and installation of Allen Bradley RSlogix5000, RSlinx, RSview Installed on Hydrogen Generation Plant, TOSHIBA Co.
 - Fire Protection System, TOSHIBA Co.:
 - Fire Alarm Design, Installation and Maintenance.
 - Fire Fighting Equipment and Maintenance.
 - Equipment and Operation of Combined Cycle Units, MDEPC.
 - Creative Problems Solutions, KSA.
 - OPC instillation and linked, YOKOGAW Co.
 - Maintenance and installation of Allen Bradley RSlogix5000, RSVIEW, METETO Co.
 - Maintenance and operation of Water and Sewage Plant, METETO Co.
 - Maintenance ABB Symphony Harmony DCS, ANSALDO.
 - LV Maintenance and switchgear automated by PLC and SCADA, Schneider Co.
 - Maintenance and installation of PLC SAMATIC S7 and WINCC SCADA.
- : Off-shore training: Maintenance Gas Insulated Switchgear (Gas Insulated Switch Gear) and Air Insulated Switch Gear Siemens Factory in Germany, Jun./Jul. 2009.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Nov. 2013 till now
- Employer** : [EGYPTROL](#) – Commissioning Subcontractor for SAMSUNG C&T
- Project** : Qurayyah Independent Power Project (6x750MW) – Combined Cycle, KSA
(The Qurayyah IPP project is approximately 100 km south of the port of Dammam on the coast in the Eastern province of the kingdom of Saudi Arabia. The facility is a 2 on 1 combined cycle configuration consisting of 12 Siemens SGT6-PAC 5000F gas turbine generating units (GTGS), 12 heat recovery steam generators (HRSGs), 6 Siemens SST6-4000 steam turbine generators (STGs), and 6 sea water condensers.)
- Job title** : I&C Commissioning & Start-up Engineer
-
- Dates** : From Jun. 2012 till Oct. 2013
- Employer** : [POWERSERV](#) – DOSSAN
- Project** : AIN SOKHNA Thermal Power Plant 1300MW (2x650MW)
- Job title** : Electrical and Instrumentation Erection Manager
- Job Description** :
 - Electrical And Instrumentation Erection Work of Super Critical Boiler 2x650MW.
 - Complete Commissioning of instrumentation devices and calibration.

Dates : From Dec. 2011 till Jun. 2012
Employer : [EGYPTROL](http://www.egyptrol.com) – ANSALDO ENERGIA
Project : 6th of October Power Plant 600MW (GAS TURBINE AE 94.2 (4x150MW))
Job title : I&C Commissioning Senior Engineer
Job Description :

- Commissioning activities for Gas Turbine.
- Start-up of the units:
 - ANSALDO Turbine AE 94.2.
 - ABB Control System and function check.
 - Demi Water plant.

Dates : From 2008 till Dec. 2011
Employer : Middle Delta Electricity Production Company (MDEPC)
Project : El-Atf Combined Cycle Power Station (750MW)
 (Gas Turbine 2x350 MVA (MHI) & 1x340 MVA Steam Turbine (ANSALDO ENERGIA) & 220KV GIS Siemens & MV, LV Switchgear)
Job title : I&C Maintenance Engineer
Job Description :

- Commissioning, performance Test, Sequence of event, Start-up and Maintenance of DCS YOKOGAW CENTUM CS 3000 R3, including:
 - Design Review, Loop check, Logic Test, Function Test and Implementation the logic of POP, HRSG and PUMPS.
 - Communication with Switchgear using mod pass and hard wired.
 - Communication with GIS using OPC.
 - Communication with Steam Turbine using OPC.
 - Communication with Gas Turbine using hard wired.
- Commissioning and Start-up of ANSALDO Steam Turbine with ABB Symphony Harmony DCS, including:
 - Design Review, Loop check, Logic Test, Function Test and Implementation the logic of Steam Turbine.
 - Install and calibrate control valves, instrumentation.
- Commissioning, performance Test, Start-up and Maintenance of NEM HRSG, including:
 - Design Review, Logic Test and Function Test of NEM HRSG logic.
 - Install and calibrate all control and safety valves, instrumentation.
 - HRSG protection.
 - Chemical Dosing System.
 - Chemical Analyses System.
- Commissioning and Maintenance of Continuous Emission Monitoring System, including:
 - Analyzers install and calibrate.
 - Installation and Configuration of Data Acquisition System (fox pro data base, visual BASIC RSlinx2.5, RSLogix5000).
 - Installation and Configuration of Allen Bradley RSlogix5000 PLC.
 - Design Review, Logic and Function Test of PLC and DAHS.
- Commissioning, Test, Start-up and Maintenance for Medium Voltage Switchgear PLC and SCADA, including:
 - Installation and Configuration of Schneider PLC Unity pro, Vijeo Designer V4.7 and Vijeo Citect 7 SCADA.
 - Communication between PLC and DCS using mod pass.
 - Communication between GIS and DCS using OPC.
- Commissioning Hydrogen Generation Plant, including:

- Design Review, Installation and Configuration of Allen Bradley RSlogix5000 PLC, RSlinx and RSview SCADA.
- Instrumentation and control valves installed.
- Commissioning, Installation and Maintenance of fire fighting and fire alarm system.
- Commissioning, Installation and Maintenance of Bentley Nevada vibration System installed on Gas Turbine, Steam Turbine, Pumps and Gas compressors.
- Commissioning, Start-up and Maintenance of Water treatment & sewage plant, including:
 - Design Review, Logic Test and Function Test plant logic and operation.
 - Install all electrical equipment and instrumentation.
 - Installation and Configuration of Allen Bradley RSlogix5000 PLC, RSlinx and RSview SCADA.
- Commissioning Solar Plant of Gas turbine, including:
 - Installation and Configuration of SIEMENS STEP 7 PLC.
 - Instrumentation installed.

Dates: : From 2006 till 2007

Project : Mahmodia Combined Cycle Power Plant (300MW):
8 Mark II GE 25MW gas turbines & 2 Mark V GE 50MW ST

Job title : Second Shift Engineer

Job Description :

- Maintenance ABB Symphony Harmony DCS.
- General instrumentation maintenance of Steam Turbine (Mark V), 2 sets.
- General instrumentation NEM HRSG 25MW, 8 sets.
- Maintenance of Depress instrumentation and PLC (Siemens S 300).
- Maintenance of ball cleaning of condenser instrumentation and PLC (Siemens S 300).
- Maintenance fire alarm and fire fighting system.
- Maintenance instrumentation air compressor.

Dates: : From 2005 till 2006

Project : Motobes Water Station in Kafr El-Sheikh

Job Description : Construction, commissioning and start-up.

Dates : From 2001 till 2005

Employer : Ministry of Electricity and Water – KSA

Project : El-Taief Water and Sewage Plant (3 stages)
(Three Stage Plant (STP, RP1, RP2), controlled by Wonder ware SCADA and SIEMENS PLC (S7 SMATIC), Furans, Boiler, MV, LV SWITCHGEAR and online Instrumentation.)

Job Description :

- Design Review, Constructions & Commissioning Engineer in Abo El Jhdaiel Co.
- Instrumentation Engineer and responsible for software & logic development.
- Commissioning and Start-up renewing of the control system of El Taif Plant of Water Treatment and Sewage using SIMATIC 7 Siemens PLC and SCADA System.

- Maintenance Engineer in Electrical and Automatic Control Department.

- Dates** : From 2000 till 2001
- Employer** : Ministry of Defense
- Project** : Military Service
- Job title** : Computer Programmer & System Analyst
- Job Description** :
- Supervision and follow-up in the engineering scope of work.
 - Preparing work programs and follow-up.
 - Computer Programmer.
 - Work on database programs (SQL, Access, etc.) and Office programs.
 - Work on programs of engineering drawings (AutoCAD 2D, Visio, 3dHome, etc.).
 - Maintenance of computers and accessories.
 - Installation and maintenance of computer networks.
- Field of experience** :
- 14 years solid experience in different facets of Power Plant industry.
 - Strong understanding with different EPC philosophies in power generations and transmissions.
 - Well-exposed and experienced in the commissioning and Maintenance of the following:
 - MHI 701F Gas Turbine-Generator Units.
 - Ansaldo Energia AE 94.2 Gas Turbine-Generator Units.
 - Siemens SGT6-PAC 5000F Gas Turbine-Generator Units.
 - Siemens SST6-4000 Steam Turbine-Generator Units.
 - Well-exposed and experienced in the commissioning, Maintenance and programming of the following:
 - DCS Yokogawa CS3000.
 - DCS SEMINES SPPA - T3000.
 - SIEMENS SAMATIC S7 PLC.
 - WINCC SAMATIC SCADA.
 - Well-exposed and experienced in I&C Erection work HRSG, Super Critical Boiler, Gas turbine, water treatment plant.
 - Highly knowledgeable in LV Switchgear commissioning and troubleshooting.
 - Highly knowledgeable in water treatment plant commissioning and troubleshooting.
 - Automation works:
 - DCS YOKOGAW CENTUM CS 3000 R3 Hardware and software.
 - ABB Symphony Harmony DCS.
 - Programming, Maintenance and function check of SIEMENS STEP 7 PLC.
 - Programming and communication work of SIEMENS WIN CC.
 - Instrumentation works:
 - Tuning and calibrate the control valves.
 - Maintenance Ansaldo AE 94.2 Gas 150MW.
 - Maintenance 701F Mitsubishi Gas Turbine (MHI) 250MW.
 - Calibrate transmitters and analyzers (Temp, level, Pressure, DO, OIL, PH, SILICA, ORP and CONDUCTIVITY etc.).
 - Maintenance Work of GAS Compressor and Air Compressor.
 - Maintenance Work of Paging System.
 - Maintenance Work of fire alarm and fire fighting System.

- Maintenance Work of Schneider PLC Unity pro.
- Maintenance and function test Work of Allen Bradley RSlogix5000 PLC Projects.
- Maintenance Work of steam turbine and BOP.
- Electrical works:
 - LV Switchgear commissioning and maintenance.
 - Design CBs Interlock Control Circuits.
 - Erection of conduit, cable, termination and cable tray.
- Mechanical Commissioning works:
 - Commissioning work of BOP.
 - Different types of pumps.
 - Electro-chlorination plant.
 - Demi Desal plant.
 - Sewage and waste water treatment plant.
 - Chemical dosing system.