

Holds a B. Sc. in Electrical & Control Engineering and has over 8 years hands-on experience working in I&C field. Has strong background in the principles and practices of electrical power generation process, Control Systems, DCS.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 08/10/1987
Gender : Male
Marital Status : Married
Residence : Sharkia

EDUCATION

: B. Sc. in Electrical & Control Engineering, Zagazig University, 2009

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: Linux

TRAINING COURSES AND CERTIFICATIONS

- : Course in PLC and classic control using contactors, relay, photo cell and counter...etc. at System Industrial Company.
- : Abu Sultan Power Station Training courses:
 - Attended a training program in Introduction in Steam Power Station Operation (Boilers – Turbine – Network – Auxiliaries).
 - Attended a training program in Productive Safety.
 - Attended a training program in Water Treatment.
 - Attended a training program in Protection.
 - Attended a training program in Instruments & Control.
- : Training course in English language (Conversation level 4), Fayed Training Centre.
- : Training course of study in Interface and Signal conditioning, Electronics Research Institute, Cairo, Egypt.
- : Training course of study in Programmable Logic Controller, Electronics Research Institute, Cairo, Egypt.

- : Al-Shabab Simple Cycle PROJECT TRAININGS:
 - Yokogawa dcs centum vp operation, Giza System Company.
 - Yokogawa dcs centum vp maintenance, Giza System Company.
 - Fire fighting system on transformers (deluge valve), Tiba Company.
 - Training course of study in two weeks in MARK Vle control & maintenance 2011 by General Electric (GE).
 - Training course of study in two weeks in GE SIMPLE CYCLE operation & troubleshooting, Cairo North Station Training Centre, Cairo, Egypt.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Oct. 2016 till now
- Employer** : MINISTRY OF ELECTRICITY AND ENERGY
- Project** : New Capital Power Plant 4800MW
- Job title** : I&C Engineer / Plant Control Systems Administrator
- Job Description** :
- Calibration, Commissioning and start-up for: Siemens STG5-8000H gas turbine & SST-5000 for steam turbine.
 - Worked closely with Contractor to identify issues and develop real-time data solution which resulted in a project valued over 2 miliar \$ project.
 - I got a training with Siemens for 6 months in Egypt and in Germany.
 - Prepare project status reports by collecting, analyzing, and summarizing information and trends; recommending actions.
 - Update job knowledge by studying Engineering development tools, programming techniques, and computing equipment, participating in educational opportunities, reading professional publications, maintaining personal networks and participating in professional organizations.
 - All fire fighting activities co2 sancu, foam and deluge systems.

- Dates** : From Jun. 2015 till Oct. 2016
- Employer** : MINISTRY OF ELECTRICITY AND ENERGY
- Project** : AL-SHABAB POWER PLANT 1600MW
- Job titles** : I&C Engineer / Plant Control Systems Administrator
- Job Description** :
- Project Phase 1:
 - Calibration, commissioning and start-up for: General Electric Model PG9171 (E), 8x125MW Gas turbines (Standard burners), MK Vle control system.
 - Worked closely with Contractor to identify issues and develop real-time data solution which resulted in a project valued over \$600M project and the record of 6 months "Power Plant Project" duration.
 - Prepare project status reports by collecting, analyzing, and summarizing information and trends; recommending actions.
 - Update job knowledge by studying Engineering development tools, programming techniques, and computing equipment, participating in educational opportunities, reading professional publications, maintaining personal networks and participating in professional organizations.
 - All fire fighting activities co2 sancu, foam and deluge systems.
 - DLN upgrade and CI:
 - Calibration, commissioning and start-up for: General Electric Model PG9171 (E), 8x125MW Gas turbines (DLN burners), MK Vle

- control system.
- Verified and updated junction box wiring diagrams.
- Maintained cross-wiring details between marshaling racks and Mark VIE control cards.
- Power Plant Routine work:
 - Designing maintenance strategies, procedures and methods.
 - Carrying out routine scheduled maintenance work and responding to equipment and control systems faults.
 - Diagnosing breakdown problems.
 - Writing maintenance strategies to help with installation and commissioning guidelines.
 - Controlling maintenance tools, stores and equipment.
 - Ensuring there is continuous cover of the machinery and equipment in case of breakdowns.
 - Write and publish Technical Reports and articles.
 - Develop control system solutions by studying information needs; studying systems flow, data usage, and work processes; investigating problem areas; following the software development lifecycle.
- Project Phase 2 (Combined Cycle):
 - Manage the contract package of the CP-106, which include steam turbine.
 - Develop, implement and review contracts, make sure that best practices are applied on any given project, and to make all the revisions available to all the parties involved in the project.
 - Capable of preparing the inquiries with proper technical specifications as per the tender and understanding of quotations with respect to contractual requirement.
 - Attend the fat test for boiler software in invenses Italy.

Dates : From May 2015 till Jun. 2015
Project : Assiut 1500MW Power Plant
Job Description : Calibration, commissioning and start-up for: General Electric Model PG9171 (E), 8x125MW Gas turbines (Standard burners), MK Vle control system.

Dates : From May 2014 till May 2015
Employer : Bapetco Company
Project : Badr 3 ASSIL & ALKARAM
Job title : I&C Engineer
Job Description :

- Instrumentation and Control system construction.
- Testing, calibration, loop checking, Modification and troubleshooting of all power plant Instrumentation like: Pressure, level and flow transmitters / switches / Gauges, Temperature controllers and measuring instruments like the RTD and THERMOCOUPLE, Control Valves operation / Servo / Trouble shoot techniques, Electro Pneumatic & Hydraulic Valves, solenoid Valves.
- Responsible for maintenance field devices, instruments and actuators (servo-valves, thermo elements, transmitters, etc.).

- Dates** : From Jun. 2011 till May 2014
- Employer** : MINISTRY OF ELECTRICITY AND ENERGY
- Project** : AL-SHABAB POWER PLANT 1600MW
- Job titles** : I&C Engineer / Plant Control Systems Administrator
- Job Description** :
- Project Phase 1:
 - Calibration, commissioning and start-up for: General Electric Model PG9171 (E), 8x125MW Gas turbines (Standard burners), MK Vle control system.
 - Worked closely with Contractor to identify issues and develop real-time data solution which resulted in a project valued over \$600M project and the record of 6 months "Power Plant Project" duration.
 - Prepare project status reports by collecting, analyzing, and summarizing information and trends; recommending actions.
 - Update job knowledge by studying Engineering development tools, programming techniques, and computing equipment, participating in educational opportunities, reading professional publications, maintaining personal networks and participating in professional organizations.
 - All fire fighting activities co2 sancos, foam and deluge systems.
 - DLN upgrade and CI:
 - Calibration, commissioning and start-up for: General Electric Model PG9171 (E), 8x125MW Gas turbines (DLN burners), MK Vle control system.
 - Verified and updated junction box wiring diagrams.
 - Maintained cross-wiring details between marshaling racks and Mark VIE control cards.
 - Power Plant Routine work:
 - Designing maintenance strategies, procedures and methods.
 - Carrying out routine scheduled maintenance work and responding to equipment and control systems faults.
 - Diagnosing breakdown problems.
 - Writing maintenance strategies to help with installation and commissioning guidelines.
 - Controlling maintenance tools, stores and equipment.
 - Ensuring there is continuous cover of the machinery and equipment in case of breakdowns.
 - Write and publish Technical Reports and articles.
 - Develop control system solutions by studying information needs; studying systems flow, data usage, and work processes; investigating problem areas; following the software development lifecycle.
 - Project Phase 2 (Combined Cycle):
 - Manage the contract package of the CP-106, which include steam turbine.
 - Develop, implement and review contracts, make sure that best practices are applied on any given project, and to make all the revisions available to all the parties involved in the project.
 - Capable of preparing the inquiries with proper technical specifications as per the tender and understanding of quotations with respect to contractual requirement.
 - Attend the fat test for boiler software in invenses Italy.

Dates : From Jun. 2010 till Jun. 2011
Employer : MINISTRY OF ELECTRICITY AND ENERGY
Project : ABU SULTAN POWER PLANT 600MW
Job title : I&C Engineer
Job Description :

- Testing, calibration, loop checking, Modification and troubleshooting of all power plant Instrumentation like: Pressure, level and flow transmitters / switches / Gauges, Temperature controllers and measuring instruments like the RTD and THERMOCOUPLE, control Valves operation / Servo / Troubleshoot techniques, Electro Pneumatic & Hydraulic Valves, solenoid Valves.
- Responsible for maintenance turbine control system.
- Responsible for maintenance firefighting system.
- Responsible for maintenance sewage system.
- Responsible for maintenance waste water.
- Work in firefighting system like fm200 & securton.

Dates : From Mar. 2010 till Jun. 2010
Employer : International Company for dyeing, finishing and printing
Job title : Automation Engineer
Job Description :

- Read wiring diagram of machines and analysis the problem to repair the machine.
- Follow machine operation and predict the troubleshoots.
- Design & maintain control circuits.
- Designing and carry out Preventive Maintenance programs.

Dates : From Aug. 2009 till Mar. 2010
Employer : System Industrial Company
Job title : Automation Engineer
Job Description :

- Read wiring diagram of machines and analysis the problem to repair the machine.
- Follow machine operation and predict the troubleshoots.
- Design & maintain control circuits.

Field of experience :

- Participate in tendering management as HRSG and Steam turbines contract administrator for Al-Shabab Power Plant Combined Cycle 1600MW, which resulted in a project valued over \$500M project in 2017.
- I have been called-up to support for the instrumentation and control calibration and commissioning for Assiut Power Plant Project 1500MW with the EPC Contractor.
- I have been called-up to support for the instrumentation and control calibration and commissioning for ALWALIDIA Steam Power Plant with MITSUBISHI.
- Develop control system solutions by studying information needs, systems flow, data usage, and system processes, investigating problem areas, following the software development lifecycle and insure continuance operation for Al-Shabab Power Plant 1100MW.
- Worked closely with Kharafi National contractor to identify issues and develop real-time data solution which resulted in an EPC project valued over \$600M project and the record of 6 month "Power Plant Project"

duration in Al-Shabab Power Plant 1100MW.

- Technical Skills:
 - GE Turbine Mark Vie Toolbox.
 - GE Turbine Graphic Design program (Cim Viewer).
 - Schneider Electric Unity Pro.