

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 14 years hands-on experience working in operation, construction, maintenance, commissioning and start-up of I&C control systems in several Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 27/07/1980
Gender : Male
Marital Status : Married
Residence : El-Behira

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Alexandria University, 2002

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office

TRAINING COURSES AND CERTIFICATIONS

- : Distributed control system (DCS) ALSPA P320 maintenance activities, The main control system of Nubaria Power Station, ALSTOM factory in Massy – France (from Feb. till Apr. 2005).
- : Training in Damanhour on gas turbine (SIEMENS) (Apr. 2004).
- : Training on steam turbine (MITSUBISHI), DEHC (digital to electro hydraulic control), TAC turbine auxiliary control (Jul. 2006), Nubaria.
- : Vibration measuring system (system 1), Nubaria (Jul. 2006).
- : Training for TEC4 FDE (Tool for Hardware and Field Engineering) at SIEMENS, Shoubra El-Kheima (Nov. 2008).
- : Training on Operation and Maintenance of Combined Cycle unit (WDEPC), Shoubra El-Kheima (Feb./Mar. 2004).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jul. 2016 till now
Employer : ELSEWEDY PSP
Project : Beni Suef CCPP 4800MW (SGT5-8000H)
Job title : I&C Construction, Commissioning and Start-up Lead Engineer
Job Description : Team Leader, responsible for the following items:
 - Supervision for installation of all instruments of Gas Turbine.
 - Supervision for installation of all instruments of balance of plant.
 - Adjust the Turbine Supervisory Instrument such as (radial vibration, Seismic Vibration and Speed Sensors).
 - Making Loop Check and Function test.
- Dates** : From Mar. 2015 till Jun. 2016
Employer : ELSEWEDY PSP
Project : MAHMOUDIA SIMPLE CYCLE POWER PLANT ANSALDO GAS TURBINE (330MW GAS TURBINE PROJECT)
Job title : I&C Construction, Commissioning and Start-up Lead Engineer
Job Description : Team Leader, responsible for the following items:
 - Supervision for installation of all instruments of Gas Turbine.
 - Supervision for installation of all instruments of balance of plant.
 - Calibration of all Instrumentation in the site.
 - Making Loop Check and Function test.
 - Adjust the Turbine Supervisory Instrument such as (radial vibration, Seismic Vibration and Speed Sensors).
- Dates** : From Jan. 2014 till Feb. 2015
Employer : Kharafi National
Project : WEST DAMIETTA SIMPLE CYCLE POWER PLANT GE GAS TURBINE Frame 9E (500MW GAS TURBINE PROJECT)
Job title : I&C Warranty Senior Engineer
- Dates** : From Jul. 2013 till Dec. 2013
Employer : Sahara Group
Project : Giza North Power Plant (3x750MW) GE GAS TURBINE
Job title : I&C Commissioning & Start-up Senior Engineer
Job Description : Team Leader, responsible for the following items:
 - Calibration of all Instrumentation in the site.
 - Making Loop Check and Function test.
 - Adjust the Turbine Supervisory Instrument such as (radial vibration, Seismic Vibration and Speed Sensors).
- Dates** : From Jan. 2013 till Jun. 2013
Employer : Middle Delta Electricity Production Company
Project : El-Atf Power Station 1x750MW Combined Cycle
Job title : I&C Maintenance Engineer

- Job Description** : The routine and the corrective maintenance for the Steam turbine control System.
- Dates** : From Feb. 2012 till Dec. 2012
- Employer** : Kharafi National
- Project** : WEST DAMIETTA Simple Cycle Power Plant (500MW Gas Turbine)
- Job title** : I&C Commissioning & Start-up Engineer
- Job Description** : Responsible for the following items:
- Making Loop Check and Function test.
 - Adjust the Turbine Supervisory Instrument such as (radial vibration, Seismic Vibration and Speed Sensors).
 - Calibration of all Hazard Gas Detectors.
 - Commissioning of Fire Fighting Protection System.
 - Calibration of all Pressure Transmitter, Flow Transmitter and Pressure Switches.
 - Switches, all type of RTD and Thermocouple.
 - Calibration of all Valves Control as Pneumatic and Shut off Valves.
 - Calibration of Inlet Guide Vane of the Inlet of the Compressor.
 - Commissioning of all local Control Panels Such as (Air Processing Unit and Air Filter System).
- Dates** : From Apr. 2011 till Jan. 2012
- Employer** : Kharafi National
- Project** : AL-SHABAB Power Plant (8x125MW GE Gas Turbine)
- Job title** : I&C Commissioning & Start-up Engineer
- Job Description** : Responsible for the following items:
- Making Loop Check and Function test.
 - Adjust the Turbine Supervisory Instrument such as (radial vibration, Seismic Vibration and Speed Sensors).
 - Calibration of all Hazard Gas Detectors.
 - Commissioning of Fire Fighting Protection System.
 - Calibration of all Pressure Transmitter, Flow Transmitter and Pressure Switches.
 - Switches, all type of RTD and Thermocouple.
 - Calibration of all Valves Control as Pneumatic and Shut off Valves.
 - Calibration of Inlet Guide Vane of the Inlet of the Compressor.
 - Commissioning of all local Control Panels Such as (Air Processing Unit and Air Filter System).
- Dates** : From Feb. 2010 till Mar. 2011
- Employer** : [EGYPTROL](http://www.egyptrol.com) – Seconded to INITEC ENERGIA
- Project** : Cairo West Power Station (2x350MW Steam Turbine)
- Job title** : I&C Commissioning & Start-up Engineer
- Job Description** :
- Commissioning of BOP instruments.
 - Loop check and function test of the following systems:
 - Main steam system.
 - Condensate water system.
 - Demi water system.
 - Potable water system.

- Circulation water pumps.
- Service water system.
- Closed cooling water system.
- Feed water system.
- Fuel oil system.
- Fire alarm system.
- Waste water system.

Dates : From Jan. 2009 till Jan. 2010

Employer : [EGYPTROL](http://www.egyptrol.com), Commissioning subcontractor for BoP Electro-mechanical Contractor

Project : Sidi Krir Combined Cycle Power Plant (750MW)

Job title : I&C Commissioning & Start-up Engineer

Job Description :

- Commissioning of BOP instruments.
- Loop check and function test of the following systems:
 - Main steam system.
 - Condensate water system.
 - Demi water system.
 - Potable water system.
 - Circulation water pumps.
 - Service water system.
 - Closed cooling water system.
 - Feed water system.
 - Fuel oil system.
 - Fire alarm system.
 - Waste water system.
- Make some modification for local control panels to avoid some problems appear during the first run for these local control panels.

Dates : From Apr. 2008 till Dec. 2008

Employer : Kahromika under supervision of TOSHIBA

Project : El-Atf Combined Cycle Power Plant (750MW)

Job title : I&C Construction Engineer

Job Description :

- Supervision on all installation of all instruments of CP balance of plant.
- Supervision on all installation of all instruments on the following system:
 - Main steam system.
 - Condensate water system.
 - Demi water system.
 - Potable water system.
 - Circulation water pumps.
 - Service water system.
 - Closed cooling water system.
 - Feed water system.
 - Fuel oil system.
 - Fire alarm system.

Dates : From Oct. 2006 till Mar. 2008

Employer : Middle Delta Electricity Production Company

Project : Nubaria Power Station I & II – 2x750MW Combined Cycle 2x2x1
Job title : I&C Maintenance Engineer
Job Description : Responsible for the routine and the corrective maintenance for the Steam turbine control system (Operation & Monitoring System and Engineering System) and its instrumentation.

- Maintenance of DCS system (DAISYS NETMATION SYSTEM).
- Troubleshooting for any problem with DCS side.
- Review the logic diagram.
- Receiving spare parts from the companies in the project site.
- Maintenance for debris filter and condenser tube cleaning system.
- Make overhaul maintenance for steam turbine with MITSUBISHI and gas turbine SIEMENS.
- Maintenance for circulation water pump, service water pump and closed cooling water pump.

Dates : From Jan. 2005 till Sep. 2006
Employer : Middle Delta Electricity Production Company
Project : Nubaria Power Station I & II – 2x750MW Combined Cycle 2x2x1
Job title : I&C Construction & Commissioning Engineer
Job Description :

- Responsible for review all I&C drawings & submittals for steam turbine (MITSUBISHI).
- Middle Delta Witness Engineer during construction, commissioning and start-up of the steam turbine.
- Responsible for all loop check and function test for all steam turbine systems with DCS side (DAISYS NETMATION SYSTEM).
- Approving design & submittals, site acceptance tests, commissioning for steam turbine generator (MITSUBISHI).
- Responsible for review all technical submittals auxiliaries of the steam turbines (circulation water pump, service water pump, closed cooling water pump, debris filter and condenser tube cleaning system).
- Calibration of all instruments in field (pressure transmitters & switches, level transmitters & switches, thermocouples, smart valves, auma valves, rotork valves).
- Review and comment on all I&C construction documents and drawings (P&ID).
- Verifying all required erection drawings, standards, procedures & project specifications have been received by contractor.

Dates : From Sep. 2003 till Dec. 2004
Employer : Middle Delta Electricity Production Company
Project : Mahmoudia Combined Cycle Power Station I & II – 2x150MW
Job title : Operation Engineer
Job Description : Responsible for operation of HRSG.