

Holds a B. Sc. in Electrical Power Engineering and has about 14 years hands-on experience working in Commissioning, Start-up, Maintenance for Instrumentation and Control Systems.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 19/08/1981  
Gender : Male  
Marital Status : Married  
Residence : Currently KSA

## **EDUCATION**

: B. Sc. in Electrical Power Engineering, Tanta University, 2003

## **LANGUAGES**

Arabic : Native Language  
English : Very Good

## **COMPUTER SKILLS**

: Windows, MS Office, Internet

## **TRAINING COURSES AND CERTIFICATIONS**

- : Maintenance & Operating of GIS system 220KV, Siemens Power Academy in Nuernberg – Germany (Feb./Mar. 2009).
- : Fire fighting training, INITEC-CHEMTROL under the direction of INITEC Energia – Spain, EI-Atf site (Jun. 2009).
- : I&C Maintenance training of Gas Turbine, MHI Power Generation, EI-Atf site (Aug. 2009).
- : Maintenance & Operating of Steam Turbine Generator, Ansaldo Energia Cooperation Energy in EI-Atf site (Sep. 2009).
- : Continuous Emission Monitoring Control System, MITSUBISHI, held in Egypt (May/Jun. 2009).
- : Basic operation training of gas turbine, MITSUBISHI, EI-Atf site (Apr. 2009).
- : Bentley Nevada training of control of vibration steam turbine, ABB, EI-Atf site.
- : Metito complete automation course:
  - PLC & SCADA: Allen Bradley (PLC (RSLOGIX (HW-SW))) & SCADA (RSVIEW).
  - INSTRUMENTATION:
    - ROSEMOUNT (all liquid analysis sets (installation &

- commissioning).
- E&H (all liquid and measurements sets (installation & commissioning).
- : TOSHIBA training course for H2 production plant.
- : DCS TRAINING CENTUM (CS3000R3) YOKOGAWA.
- : CTS TRAINING FOR ENVIROMENTAL INSTRUMENT (SIO2, CO, NOX... ANALYZERS) (INSTRUMENTATION: THERMO ANALYZERS MODEL 42i, 43i, 48i, 146i, 111zero air).

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Dec. 2015 till now  
**Employer** : Arabian Bemco Company  
**Project** : PP10 Combined Cycle Power Plant at Riyadh (KSA)  
**Job title** : I&C Commissioning Engineer (Contractor)  
**Job Description** : Commissioning for GE Steam Turbine SC4 – 10x128MW with MARK VIE CONTROL SYSTEM /HRSG by NEM/BOP.

**Dates** : From Dec. 2014 till Dec. 2015  
**Employer** : Elsewedy for power system project  
**Project** : Attaqa Simple Power Plant (165MW x 4 Units), Siemens (SGT5-2000E)  
 A new Power Plant Project with Total Gross Power of 640MW using 4 Siemens Gas Turbines (SGT5-2000E) with Siemens Power Plant Automation (SPPA T3000) as a Control System.  
**Job title** : I&C Commissioning & Testing Engineer  
**Job Description** :
 

- Installing and commissioning of all SGT5-2000E I&C related equipment's.
- Fuel oil / Fuel Gas skids hot commissioning and signals loop check with TCS.
- Testing and function check for all fail safe and GT hardware trip signals.
- Signal testing and hot commissioning for all gas turbines GIS signals and back energize testing.
- Doing all testing and configuration for BOP firefighting system (Lite-Fire honey well System).
- Function check and process testing for Gas turbines Fin-Fan cooler system and connecting all signals interfaces to TCS.
- Ensure equipment erection & commissioning for safety critical items meets acceptable standards.
- Siemens GT instrument installation as per approved hook up.
- Doing the required calibration for all Base module and blow-off instruments.
- BOP instrument calibration and preparing the required hook-up.
- Siemens TCS signal hot loop check and testing for all interconnection cables.
- Doing field and PCC Vibrometer system testing and fixing all GT/Generator vibration sensors (Absolute or Relative).
- Combustion chamber / Flame signals cable termination and hoot loop checked.
- Installing/Handing over all I&C packages as per Siemens field quality

plan.

- Advise on fabrication, construction, installation and commissioning completion techniques.
- Update of P&ID's with as build's and submission to engineering department.

**Dates** : From Oct. 2012 till Dec. 2014  
**Employer** : Middle Delta Electricity Production Company  
**Project** : EL-ATF POWER PLANT COMBINED CYCLE 750MW  
**Job title** : I&C Maintenance Engineer (Owner)  
**Job Description** : Troubleshooting for instrumentation, Motorized valve, Pneumatic valve, and control systems like YOKOGAWA (CENTUM 3000 R3) DCS, ABB DCS, ALLEN BRADLEY PLC with RSLOGIX5000.

**Dates** : From Apr. 2012 till Oct. 2012  
**Employer** : Arabian Bemco Company  
**Project** : RIYADH Power Station (PP10) 8x55MW GE (Mark VIe – frame 7EA) C1 BLOCK  
**Job title** : Commissioning & Start-up Engineer (Contractor)  
**Job Description** : Commissioning & start-up for gas turbine 8x55MW GE (Mark VIe – Frame 7EA) as a technical support sub-contractor for Bemco Arabian Company.

**Dates** : From Dec. 2011 till Apr. 2012  
**Employer** : ANSALDO ENERGIA Company  
**Project** : 6th October Simple Cycle Power Plant (4x150MW) – ANSALDO ENERGIA / DCS – ABB, FRAME 94.2 EA  
**Job title** : Commissioning I&C Start-up Engineer (Contractor)  
**Job Description** : Commissioning I&C Engineer for calibration – loop check – function check – tests pre-start-up with consultant & owner – start-up – first fire – synch.

**Dates** : From Apr. 2008 till Dec. 2011  
**Employer** : Middle Delta Electricity Production Company (MDEPC)  
**Project** : El-Atf Combined Cycle (750MW) Power Station  
**Job title** : Commissioning I&C Start-up Engineer (Owner)  
**Job Description** : Commissioning I&C Engineer for calibration – loop check – function check – tests pre-start-up with consultant & owner – start-up – first fire – synch for EL-ATF POWER PLANT 2x250MW GAS TURBINE MITSUBISHI, HRSG (NEM) COMPANY, STEAM TURBINE 250MW ANSALDO ENERGIA, GIS FOR SWITCHYARD SIEMENS, HYDROGEN PLANT TOSHIBA, WATER TREATMENT PLANT METITO, GAS COMPRESSOR FOR ATLAS COPCO, CONDENSATE SYSTEM STF / Control Systems (DCS YOKOGAWA - CENTUM 3000 R3, DCS ABB, BENTLEY NEVADA FOR MEASURE VIBRATION AT BEARING - SYSTEM 1 , PLC ALLEN BRADLEY, 1756 - (RSLOGIX5000) - ROCK WELL AUTOMATION ALSO we use all types of instruments (PI – PIT – PS – TI – TS – TIT – FS – FIT – AIT – ..... & a lot of valves Motorized – pneumatic – hydraulic.

**Dates** : From Oct. 2007 till Apr. 2008  
**Employer** : IBN-ALWATAN CONTRACTING Company – KSA  
**Project** : CARDIO VASCULAR CENTER & SUBSTATION from Medium Voltage to Low Voltage  
**Job title** : Commissioning Electrical – Start-up Engineer (Contractor)  
**Job Description** : Commissioning for SUBSTATION feeding the MEDICAL CENTER consists of 3 TRANSFORMERS (RING MAIN UNIT & ATS PANEL & DIESEL GENERATOR FOR ESSENTIAL).

**Dates** : From Oct. 2005 till Oct. 2007  
**Employer** : Middle Delta Electricity Production Company (MDEPC)  
**Project** : Mahmoudia Combined Cycle Power Station  
**Job title** : Operation Engineer (Owner)  
**Job Description** :

- SHIFT OPERATION ENGINEER, Unit start-up and shutdown procedures, monitoring parameters, testing the equipment's, isolation and de-isolation procedures, Safety work permit system; this plant consists of 8 GE gas turbine 25MW each Mark 2 (MS5001frame P) and its related auxiliaries, 8 NEM HRSG, (2x58) GE steam turbine and its related auxiliaries.
- And also done for:
  - Condensate system & condensate pumps.
  - Circulating water system & circulation pumps.
  - Feed water system & pumps.
  - Sump pumps.

**Dates** : From 2003 till 2005  
**Job Description** : 2 years' experience in the electrical contracting at a lot of projects inside Egypt as a Site Engineer.