

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 6 years hands-on experience working mainly as Application Engineer at several Power Plants.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 24/11/1982  
Marital Status : Married

## **EDUCATION**

: B. Sc. in Electrical Power & Machines Engineering, Ain Shams University, 2004

## **LANGUAGES**

Arabic : Native Language  
English : Very Good  
French : Fair

## **COMPUTER SKILLS**

: Windows, MS Office, Internet  
: C++

## **TRAINING COURSES AND CERTIFICATIONS**

- : Training for Alspa P320 system of Distributed Control System (DCS) in Alstom Power in France (Jan. till Apr. 2006):
    - Preparing and installation of Nubarria protect platform (EGYPT).
    - Preparing and installation of Laveltoza project platform (CHINA).
    - Test firmware version of UT150 card for Skikda project (ALGERIA).
    - Join to development team and help in implementation of IEC104 protocol by kema simulator.
    - Installing of cell controllers for Hoynger project.
  - : Course in DCS (ALSPA P320 SYSTEM) step 4.
  - : Course in DCS (ALSPA P320 SYSTEM) step 5 by Alstom fr.
  - : Course in DCS (ALSPA P320 SYSTEM) step 6 by Alstom fr.
- Training contents:
- Control and communication room: ALSPA P320 CENTRALOG.
  - Automation control including BMS: ALSPA P320 CONTROBLOC.
  - Engineering and commissioning tool: ALSPA P320 CONTROCAD.
  - Application test tool: ALSPA P320 CONTROTEST.

- Plant training simulator: ALSPA P320 SIMULATOR.
- Powerful remote access functions including Human Machine Interface (HMI), Historian, Maintenance facilities, etc.
- ALSPA P320 CONTROBLOC: C80-75 enhanced safety multifunction controller.

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Sep. 2008 till now  
**Employer** : PSP (Power System Projects)  
**Project** : Ras Abo Fontas Power Plant (QEWC)  
**Job title** : Alstom T.A.  
**Job Description** : RAF A1 (Qatar/QEWC):
 

- Coordinated with FISIA team to review the client requests.
- Prepared the controller and terminal cubicle to be ready for commissioning.
- Performed I/O loop and function check test.
- Implemented and adapted all DB modifications.

**Dates** : From May 2009 till Jun. 2009  
**Employer** : PSP (Power System Projects)  
**Project** : FUJAIRA Desalination Plant (RO) (EAU)  
**Job title** : Application Engineer  
**Job Description** :
 

- Travel to France to participate in FAT with OTV client.
- Coordinate with Sidem team to test the common part.
- Responsible for all logic modification and finalize all client's comments.
- Prepared the platform and the Profibus configuration.

**Dates** : From Oct. 2008 till Apr. 2009  
**Employer** : PSP (Power System Projects)  
**Project** : FUJAIRA Desalination Plant (RO) (EAU) – Egypt Design Office  
**Job title** : Application Engineer  
**Job Description** :
 

- Coordinate with the Alstom team to prepare all the requirements for the project.
- Implement all logic for the Dual Media Gravity Filters (DMGF) according to the control philosophy.
- Prepared and implement all logic for the Post Treatment according to the control philosophy.
- Configuration of Simple and Complex loops, Logics.
- Participated in HMI configuration.
- Participated in the internal FAT.
- Prepared most of documents submitted to the client.

**Dates** : From Feb. 2008 till Aug. 2008  
**Employer** : PSP (Power System Projects)  
**Project** : El-Kureimat 3 (750MW) Combined Cycle Power Plant – Egypt Design Office

- Job title** : Application Engineer
- Job Description** :
- Implemented the performance calculation for the power plant.
  - Perform the design of Master block control and purge sequence.
  - Participated in implementation of Master sequence control for the plant.
  - Implement all logic for electrical system and BOP (Balance of Plant).
  - Prepared and implemented the logic for GT control.
  - HMI Generation & configuration of Simple and Complex loops, Logics.
  - Tested the implemented logic using process simulator SI80 (Alstom simulator).
- Dates** : From Mar. 2008 till Apr. 2008
- Employer** : PSP (Power System Projects)
- Project** : Ras Abo Fontas Power Plant (QEWC)
- Job title** : Alstom T.A.
- Job Description** : RAF B2 (Qatar/QEWC):
- Finalized all the remaining activities with different suppliers.
  - Coordinated with GE to test EDGS logic.
  - Tested high speed transfer device with ABB TA.
  - Analyzed and cleaned up the alarm logs.
  - Finalized all MIMIC modifications as per client request.
  - Coordinated with GE design office to issue final REV for BSDG logic.
- Dates** : From Jul. 2007 till Dec. 2007
- Employer** : PSP (Power System Projects)
- Project** : CYCOFOS CCPP (France) – ALSTOM Engineering Office in FRANCE
- Job title** : Application Engineer
- Job Description** :
- Implemented all logic for pump house (CCW, SRVC, DEMI, etc.).
  - Participated in adapting HMI tree.
  - Perform the modification in graphic display for the plant.
  - Prepared platform for test.
  - Test all logic using SI80 simulator.
  - Participated in preparing the FAT(factory acceptance test).
- Dates** : From Mar. 2007 till Jun. 2007
- Employer** : PSP (Power System Projects)
- Project** : TALLAWARRA CCPP (Australia) – ALSTOM Engineering Office in FRANCE
- Job title** : Application Engineer
- Job Description** :
- Perform all mimics view for Gas turbine GT26 and Steam turbine using DV DRAW.
  - Help in preparing HMI tree.
  - Preparation the ModBus list with EGATROL controller for Gas turbine.
  - Perform all logic diagrams for electric distribution system (OLC).
  - Test the logic diagram and mimics view using SI80 simulator.
  - Participated in FAT (factory acceptance test).

**Dates** : From May 2006 till Jan. 2007  
**Employer** : PSP (Power System Projects)  
**Project** : Nubaria 1500MW Combined Cycle Power Plant  
**Job title** : Commissioning Engineer  
**Job Description** :

- Preparing and installation of cell controller GE Fanuc.
- Installing of patches which provided from France.
- Loop check in coordination with the different contractors in the power plant.
- Function check with the owner and consultant of the power plant.
- Perform all design modifications and testing of the whole control system.
- Coordinated with the different suppliers of the CTG, STG, HRSG (Siemens, Mitsubishi and Alstom USA).
- On-shore training for owner operators and maintenance personnel.
- Preparation of the as-built documentation.

**Dates** : From Dec. 2004 till Dec. 2005  
**Employer** : Citro Misr Company for chemical production  
**Job title** : Electrical & Instruments Engineer  
**Job Description** :

- Worked in Maintenance department.
- Maintenance of Distributed control system DCS (Centum CS3000, Yokogawa Company).
- Deal with instruments and its calibration such as pt100, ph transmitter, Vortex flow meter, magnetic flow meter, PID controller, control valves, sensors, etc.).
- Deal with plants such as MCC, Switchgear, Chiller, Compressor, Waste water, Milk of line, Bagging, Generators, Boiler, Water treatment.

Other Skills:

- Professional dealing with GE Fanuc controller (C80-75).
- OLC and CLC programming.
- Graphics Development using DV-DRAW.
- Generating Logics, Sequences & DCS Programming.
- Very good knowledge about KKS and IEEE standard.