

Holds a B. Sc. in Electrical Engineering and has over 9 years hands-on experience, including 8 years working in I&C field at Power Plants.

## **PERSONAL DATA**

Nationality : Egyptian  
Gender : Male

## **EDUCATION**

- : B. Sc. in Electrical Engineering, Banha University, 2008
- : Pre-Master in Mechanical Engineering, Helwan University, 2015-2017

## **LANGUAGES**

Arabic : Native Language  
English : Good

## **COMPUTER SKILLS**

- : Windows, MS Office, Internet

## **TRAINING COURSES AND CERTIFICATIONS**

- : I&C Maintenance Training for Solar Field, FLAGSOL GmbH, Cologne (Germany) (Dec. 2013):
  - Practical training on FSC Solar "Field Controller".
  - Configuration of solar field local controller by LOC debugger software.
  - Communication between FCS & DCS.
  - Configuration of Meteostation.
  - HTF Heater temperature controller.
- : Thermal Power Engineering Course for Gas Turbine and Steam Turbine Improvement of Maintenance Skill for Stable Power Supply, JICA, JIPEC & PET, Yamaguchi (Japan) (Sep./Oct. 2012):
  - Total Quality Management (TQM) activities in Japan.
  - Analyze knowledge and information on effective techniques of operation and control, maintenance and troubleshooting, and advanced technologies for environmental conservation for thermal power plants.
  - Acquisition of manufacturing techniques for a thermal power plant.
  - Acquisition of operation and management techniques for thermal power plants.
  - Training at Yanai Gas turbine plant.
  - Boiler manufacturing.
  - Remaining Life Assessment and Life Extension Measures.

- : Maximo v7.6 Intro to Work Order Applications, Projotech, Online (May 2017).
- : Certified ReGrid Manager, RENAC (Renewable Academy Berlin), Online training (from Mar. till Jun. 2014):
  - Scenario development for electricity generation from wind and solar.
  - Generator concepts for renewable energy.
  - Short term prediction of wind and solar power.
  - Balancing power calculation.
  - Grid codes for renewables.
  - Generation expansion planning of systems with high share of wind and solar.
  - Grid integration studies and system integration studies.
  - Short, medium and long term storage.
- : Solar Thermal Engineer, Renac-Oasis Solar Academy, Cairo (Egypt) (Oct. 2014).
- : Maintenance Training for PGP HMI & AC800M DCS Control System, ABB, Cairo (Egypt) (Mar. 2013).
- : Solar field Operation & Maintenance, FLAGSOL/ORASCOM (Feb./Mar. 2012).
- : Maintenance Training for Speedtronic MKVI gas turbine, GE (Feb./Mar. 2010).
- : SAP BusinessOne and Cecom AddOnM1, SAP Gold Partner Liberconsult (May 2014).
- : Maintenance Training for Heat Recovery Steam Generator & HTF, NEM (Apr. 2010).
- : Generator excitation & static frequency control, GE (Mar. 2010).
- : Gas turbine Operation and Maintenance, GE (Jan./Feb. 2010).
- : Steam turbine Operation & Maintenance, SIEMENS (Mar. 2010).
- : Electrical systems in power plants, IBERDROLA.
- : Several other trainings in site in different fields.
- : Trainings during education:
  - Training at Egyptian Iron & Steel Company in field of Hydraulic systems.
  - Training program of the Nets Training Center belonging to the Egyptian Company for transmitting electricity in the field of (PLC, control circuits, Transformers station, Electrical protection).
  - Training course in the international trade agencies & marketing belonging to Ghabbour Group.
  - Field training in the sites of work in the factories of El-NASR Company for Manufacturing Cars.

## CHRONOLOGICAL EXPERIENCE RECORD

<b>Dates</b>	: From Jan. 2016 till now
<b>Employer</b>	: FieldCore a GE Company, Baghdad (Iraq)
<b>Project</b>	: 3000MW Besmaya CCPP Project (4x750MW combined-cycle blocks, each block containing two 260MW GE Frame 9FA gas turbines with Mark VIe Control System, two HRSG and one GE Frame C7 steam turbine)
<b>Job title</b>	: I&C Engineer

**Job Description** : 

- Acting I&C Lead since Nov. 2017.
- Planning and execution of all I&C tasks for the distributed control system "Ovation", programmable logic controllers and field instrumentation.
- Responsible for the identification and control of all related spare parts and consumables to maximize availability, reliability and power production.
- Implement the maintenance programs through Maximo "Computerized Maintenance Management System".
- Coordinate with GE O&M Centre of Excellence (CoE) and GE Engineering for the resolution of complex issues relevant to plant operations.
- Daily duty for CM & PM for gas turbine, steam turbine and auxiliaries.

**Dates** : From Aug. 2016 till Jan. 2017

**Employer** : PSP

**Project** : 4800MW Beni Suef CCPP  
(8x400MW 8000H Siemens Gas Turbines, 4x400MW Siemens Steam Turbines)

**Job title** : Senior I&C Engineer

**Job Description** : 

- Supervision the main contractor and sub-contractors to ensure the I&C construction activities are performed in accordance with the project documents, including contract, policies, manuals, drawing, specifications, and schedules to the highest safety and quality standards.
- Responsible for I&C construction tasks of two Siemens 8000H gas turbine.

**Dates** : From Dec. 2010 till Aug. 2016

**Employer** : New and Renewable Energy Authority (NREA)

**Project** : ISCC El-Kureimat Integrated Solar Combined Cycle CSP

- Solar Field & HTF 20MW Flagsol
- 70MW GE 6FA+e Gas turbine
- 70MW Siemens (PCS7) SST-900 Steam Turbine
- HRSG & HTF heat exchanger NEM
- Water treatment plant Veolia

**Job title** : I&C Maintenance Engineer

**Job Description** : 

- Work in Solar field (Flagsol) with control system ABB (AC800M).
- Work in Gas turbine (GE) with control system MARK 6.
- Work in Steam Turbine Siemens with control system Siemens (SIMATIC PCS 7).
- Work in HRSGs & HTF (NEM) with AC800M DCS for the whole power plant (ABB).
- Work in different types of communication protocols (Modbus, Profibus, Hart...etc.).
- Work in water treatment plant (Veolia) with control system Siemens (SIMATIC PCS7).
- Execute the maintenance of instrumentation and control in power plant
- Repair & Calibration of digital, analog, pneumatic instruments and process analyzer.
- Working in all types of actuators for valves.
- Troubleshooting and repairing of the different types of Fire fighting

system in the combined cycle power plant (Conventional & Addressable).

- Attending Minor & Major inspections for gas turbine.

**Dates** : From Jan. 2010 till Dec. 2010  
**Employer** : New and Renewable Energy Authority (NREA)  
**Project** : ISCC EI-Kureimat Integrated Solar Combined Cycle CSP  
**Job title** : I&C Commissioning Engineer  
**Job Description** :

- Review Design and engineering according to the contract technical specifications.
- Responsible for I&C drawings review according to the contract specification.
- Follow up cable termination of the GT, ST & DCS.
- Follow up all construction issues.
- Loop check for all field instruments.
- Oversee commissioning activities and start-up sequences.
- Review and arrange punch-list items.

**Dates** : From Mar. 2009 till Jan. 2010  
**Employer** : Trobi Tow Company belonging to AMER Group, Porto Sokhna (Egypt)  
**Projects** : Porto Sokhna & Golf Sokhna  
**Job title** : Electrical Engineer  
**Job Description** :

- Implementation of electrical works (Power circuits & Low current circuits).
- Inspection & testing of electrical circuits.
- Implementation & Installation of fire detection system.