

Holds a B. Sc. in Electronics Engineering and has about 16 years hands-on experience working in I&C construction, commissioning and start-up for gas and steam turbines and also in commissioning, start-up and operation for Gas, Steam Turbines and auxiliaries.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 01/11/1977  
Gender : Male  
Marital Status : Married

## EDUCATION

: B. Sc. in Electronics Engineering, Menoufia University, 2003

## LANGUAGES

Arabic : Native Language  
English : Good

## COMPUTER SKILLS

: Windows, MS Office, Internet

## TRAINING COURSES AND CERTIFICATIONS

: Combined Cycle operations in Abu Qir Center (Alex).  
: GE maintenance training course Nubaria site.

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Jun. 2016 till now  
**Employer** : Al-Ghanim International Kuwait  
**Job title** : Power Stations Commissioning & Operation Manager  
**Job Description** :

- Manage the on-site Commissioning execution & operation.
- The planning and/or preparation and execution of the commissioning, operation, trial run and acceptance testing within the scope of work associated to his/her assigned project.
- The technical safety of the plant from turnover from erection until hand over to the customer (PAC).
- The coordination of all partners in regard to commissioning.
- The implementation of the Business' EHS policies, safety procedures,

work instructions and guidelines within his/her operational scope.

- The health and safety of all employees for whom he/she has an operational responsibility.
- Remedial measures are implemented to eliminate or reduce unsafe acts or conditions.
- Work is performed in accordance with local laws and regulations and that personnel assigned to him/her are provided with information regarding hazards and precautions applicable to the site.
- Inform all site personnel of any site hazards brought up as a direct result of commissioning actions, together with associated precautions.
- He/she informs all site personnel of any site hazards brought up as a direct result of commissioning actions, together with associated precautions.
- All personnel assigned to him/her are informed, instructed, trained and supervised with regard safe methods of work.
- He/she participates in investigating accidents that occur within their working areas.
- All available tools and aids are utilized in order to achieve the goals of his/her assignment and, as well, to strive for continuous product improvements and cost reduction.
- Deviations from the agreed goals are reported and corrective measures are initiated by arrangement with, and with the support of, the SIM and project management.
- Employee assessments for all members of staff reporting to him/her are performed in accordance with current procedure.
- Commissioning is performed in a safe and timely manner in accordance with the contract, budget and time schedule.
- Commissioning preparation as specified in the work instructions (MEGA processes).
- Manage, perform, coordinate and monitor the commissioning of systems specified within the scope of work according to time schedule and contract and by arrangement with the SIM, project management and customer.
- Respect project milestones and provide information to the SIM, project management and Head of Commissioning to assist in their realization.
- Organize and supervise the safe operation of the plant (site rules, safety regulations, shift plan, shift log, etc.) from system turnover from erection until PAC by arrangement with the SIM, project management and customer.
- Facilitate the turnover of systems from erection to commissioning and from commissioning to the customer in accordance with current procedure/work instruction and the contract.
- Ensure that commissioning is performed according to the specifications and engineering documents, taking into account the safety instructions, environmental protection measures and local regulations.
- Ensure the execution of all witness points as defined by contract, local regulations and project witnessing documentation.
- Ensure the execution of additional commissioning tests, as defined by contract and local regulations, which are beyond the regular commissioning scope.
- Ensure that the engineering department is involved in handling technical

problems and decisions.

- Ensure that the SIM, the PCCM and the Head of Commissioning receive regular information and progress updates according work instruction.
- Provide progress information to the customer in accordance with project rules.
- Ensure commissioning, operation, quality, record and feedback documentation are issued.
- Approve and release the commissioning documentation issued by the COM LE's after having first checked the same for completeness and meeting the quality standards.
- Forward, in accordance with work instruction, the released Final Commissioning Documentation (FCD) to the PCCM.
- Ensure that a copy of relevant FCD and software is handed over to the customer.
- Ensure that commercial and technical deviations are reported with a corresponding non-conformance report (NCR) and that the same are followed up until their completion.
- Keep a diary to record daily work, occurrences, problems, special information, etc. plus a list of pending items.
- Ensure that logbooks are maintained to record commissioning and operational events as specified in the work instructions.
- Update of the overall commissioning time schedule and the overall commissioning staff planning.
- Timely call-up of the commissioning staff, specialists and further associated staff through the PCCM.
- Manage, assess, supervise, support and promote the commissioning and other personnel assigned to him/her.
- Manage the handling and inspection of the commissioning test equipment.
- Manage and control the commissioning budget.
- Ensure correct behavior and good teamwork within the commissioning staff in accordance with company policy and local requirements/regulations.
- Organize and participate in site meetings by arrangement with the SIM and/or the customer.
- Ensure that the customer staff is trained in operation and maintenance as required by contract.
- Check and sign the time sheets of the commissioning personnel assigned to him/her and forward the same to the SIM.
- Ensure that all open item lists of systems specified within the commissioning scope of work are worked off in cooperation with the involved parties.
- Ensure the return of all commissioning test equipment as soon as possible.
- Ensure the reporting duties of the commissioning personnel assigned to him/her are fulfilled.
- Provide, by assignment completion, a Field Service Report and forward the same to the PCCM.
- Provide technical experience feedback to project management and project engineering departments during debriefing meeting(s) to be organized by the project.

- Provide statistical, administrative and financial feedback to the Head of Commissioning.

**Dates** : From Jun. 2014 till Jun. 2016  
**Employer** : Al-Ghanim International (Sybia MEW-08) Kuwait  
**Job title** : Senior I&C Commissioning and Start-up Engineer  
**Job Description** :

- Commissioning and Start-up for 2 Siemens Gas Turbine SGT5-4000F.
- Perform the I&C testing for all the I&C equipment in accordance with the local codes & standards.
- Conduct joint walk downs with construction department for the system handover.
- Follow up and track the I&C per-commissioning and coordinate it with I&C construction department.
- Commissioning the instrument or control system in accordance with the approved procedures and site HSE standards.
- Coordinate with engineering/design company in case of errors or change.
- Markup all the I&C drawings in case of changes and submit the as-built to engineering/design company for approval and revisions.
- Troubleshoot the issues or problems found during testing or commissioning and achieve the solution in reasonable manner.
- Perform and organize proper preventive maintenance for the I&C equipment as per the vendor O&M manuals and archive the maintenance records.

**Dates** : From Feb. 2012 till May 2014  
**Employer** : KHARAFI NATIONAL  
**Project** : West Damietta Power Station  
**Job title** : I&C Commissioning and Start-up Engineer  
**Job Description** :

- Commissioning and Start-up for 4 Gas Turbine Frame 9E.
- Pre-Commissioning& Commissioning GT's.
- Power-Up and Energized All control Cabinets and control panels and PEEC's.
- All communication necessary for GT's According to 4108 Document.
- Cold loop, Hot loop checks and Function checks for the Gas turbine Signals.
- Function check for all GT's Equipment's.
- Pre-Start-up checks before run the GT's.
- Start-up Gas turbine FSNL and load GT for Base load.
- All GT's start-up testing (False Fire, Emergency Trip, Over Speed, load Rejection, House Load).
- Performance test for 4 gas turbines GE 9E.

**Dates** : From May 2011 till Feb. 2012  
**Employer** : KHARAFI NATIONAL  
**Project** : Damietta Power Station  
**Job title** : I&C Commissioning and Start-up Engineer  
**Job Description** :

- Commissioning and Start-up for 4 Gas Turbine Frame 9E.

- Pre-Commissioning & Commissioning GT's.
- Power-Up and Energized All control Cabinets and control panels and PEEC's.
- All communication necessary for GT's According to 4108 Document.
- Cold loop, Hot loop checks and Function checks for the Gas turbine Signals.
- Function check for all GT's Equipment's.
- Pre-Start-up checks before run the GT's.
- Start-up Gas turbine FSNL and load GT for Base load.
- All GT's start-up testing (False Fire, Emergency Trip, Over Speed, load Rejection, House Load).
- Performance test for 4 gas turbines GE 9E.

**Dates** : From Feb. 2010 till May 2011  
**Employer** : KHARAFI NATIONAL  
**Project** : Al-Shabab Power Station  
**Job title** : I&C Commissioning and Start-up Engineer  
**Job Description** :

- Commissioning and Start-up for 8 Gas Turbine Frame 9E.
- Pre-Commissioning & Commissioning GT's.
- Power-Up and Energized All control Cabinets and control panels and PEEC's.
- All communication necessary for GT's According to 4108 Document.
- Cold loop, Hot loop checks and Function checks for the Gas turbine Signals.
- Function check for all GT's Equipment's.
- Pre-Start-up checks before run the GT's.
- Start-up Gas turbine FSNL and load GT for Base load.
- All GT's start-up testing (False Fire, Emergency Trip, Over Speed, load Rejection, House Load).
- Performance test for 8 gas turbines GE 9E.

**Dates** : From Mar. 2008 till Feb. 2010  
**Employer** : ALSTOM Turbo machine  
**Job Description** :

- Pre-Commissioning & Commissioning GT's.
- Commissioning and Start-up for Steam turbine ALSTOM (ALSPA P320).
- Pre-Commissioning & Commissioning for Steam Turbine.
- Power-Up and Energized All control Cabinets and control panels.
- Cold loop, Hot loop checks and Function checks for the Steam Turbine Signals.
- Function check for all Steam Turbine Equipment's.
- Pre-Start-up checks before run the Steam Turbine.
- Steam Turbine start-up testing (Emergency Trip, Over Speed, load Rejection).
- Reliability Test, Performance test and pinch Mark Test).

**Dates** : From Apr. 2006 till Mar. 2008  
**Employer** : MDEPC  
**Project** : Nubaria CC Power Station III (750MW)

- Job title** : I&C Construction and Commissioning Engineer
- Job Description** :
- Commissioning and Start-up for Steam turbine ALSTOM (ALSPA P320).
  - Commissioning and start-up for service water pump and lubricant skids.
  - Commissioning and start-up for travelling water screens.
  - Commissioning and start-up for closed cooling water pump and demi water pumps.
  - Commissioning and start-up for ILLWS.
  - Commissioning and start-up for circulating water pumps and condensate water pumps.
  - Commissioning and start-up for ALSTOM steam turbine generator P320.
  - Continuity test for control cables.
  - Supervise the installation and calibration for ultrasonic level transmitters (Rosemount 3100) and setting of universal control.
  - Supervise the installation of conductivity level switch in steam line.
  - Supervise the installation of Pneumatic and motorized valves.
  - Supervise the installation of all general electric field mounted (CP-117).
  - Supervise the installation of Temperature transmitters (thermocouple, RTD).
  - Supervise the installation and calibration of (pressure, temperature, level) indicators, transmitters and switches.
  - Supervise the installation of STG and auxiliaries (Lube Oil Skid, Gland Steam Condenser, Vacuum Condenser Pumps, and Debris Filter).
  - Supervise the installation of junction boxes and the connection between them and control panel (CLC, and OLC).
  - Supervise the installation of thermocouples for measuring turbine casing temperature.
  - Dealing with electronics circuits and the related data sheet.
  - Ability to use hart communicator (375).
  - Familiar with contactor technical specification and P&ID.
  - Supervise the installation and adjustment of Vibration sensors (seismic and proximities) for measuring case vibration and shaft vibration for turbine and generator, and also shaft (axial) displacement of rotor.
  - Supervise loop check and function test for all instrument devices (RTD, thermocouples, transmitters, switches, flow meters ...).
  - Supervise the installation and commissioning of DCS and PLC control systems as well as logic test for all systems.
  - Supervise, function test, loop test, commissioning, start-up, reliability test for GE Gas Turbine 9FA.
- Dates** : From Mar. 2005 till Apr. 2006
- Employer** : WDEPC
- Project** :
- Nubaria Power Station I & II:
- Two modules, each module consists of:
  - Two SIEMENS gas turbine 250MW type V94.3A. b).
  - Two horizontal ALSTOM HRSG.
  - One MITSUBISHI steam turbine 250MW (HP, IP, LP).
  - Auxiliaries (service, closed cooling, circulating Systems, ....etc.).
  - 220KV switchyard.
  - 500KV switchyard.
  - Four tie transformers 500/220KV.

- Job title** : Power Station Operator
- Job Description** : Operation of Gas Turbines (Siemens), Steam Turbines (Mitsubishi) and HRSG (ALSTOM).
- Field of experience** :
- Deputy Commissioning Manager.
  - I&C Commissioning and Start-up Engineer for Gas and Steam Turbines.
  - I&C Construction Engineer for Gas and Steam Turbines.
  - Start-up and operation for Gas, Steam Turbines and auxiliaries.
  - Check the field equipment's (valves, pumps, transmitters, ...etc.).