

103776-ELE-1OS-E-2014
Commissioning, Operation & Start-up Engineer

Holds a B. Sc. in Communications & Electronics Engineering and has about 6 years solid experience in Combined Cycle Power Plants industry. Is well-exposed and experienced in the commissioning, start-up, operation of Heat Recovery Steam Generators (HRSGs).

PERSONAL DATA

Nationality : Egyptian
Birth Date : 02/02/1992
Gender : Male
Marital Status : Single
Residence : Currently KSA

EDUCATION

: B. Sc. in Communications & Electronics Engineering, Sohag University, 2014
: Preparing for Master degree in Power Plant Control System, Assiut University (from 2014 till now)

LANGUAGES

Arabic : Native Language
English : Very Good
French : Fair

COMPUTER SKILLS

: Windows, MS Office, Internet
: C# programming
: C++ programming
: Matlab
: Multisim
: Proteus 7 Professional
: Mikro-C PRO for PIC
: Arduino programming

TRAINING COURSES AND CERTIFICATIONS

: ON-SHORE (2017): One month training on Steam turbine (Mitsubishi Hitachi) Operation in site (South Helwan Supercritical Power Plant (3x650MW)).

- : ON-SHORE (2017): One month training on Supercritical boilers (AC Boilers) Operation in site (South Helwan Supercritical Power Plant (3x650MW)).
- : Wireless communication.
- : Network principles.
- : Automatic control.
- : Artificial Neural Networks.
- : Communication networks.
- : PLC
- : Digital circuit design.
- : Satellite communication.
- : 8086/88 Microprocessors.
- : Antenna.
- : Analog circuit design.
- : Digital communication.
- : Power electronic.
- : Acoustics.
- : Advanced modern control.
- : Electric machines and fabrications.
- : Diploma of:
 - MS Office Specialist training (MCTC).
 - E-marketing.
- : Course of:
 - Electronic and design electronic and electric circuit.
 - PLC programming.
- : One month training on DCS system (CENTIM VP) in YOKOGAWA MIDDLE EAST Company in site.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Mar. 2018 till now
- Employer** : [EGYPTROL](#), Al Toukhi Subcontractor
- Project** : HAIL 2CC Power Station, KSA
(consists of four gas turbines 4x80MW combined with four AMEC FOOSTER WHEELER HRSGs and ONE SIEMENS steam turbine 150MW)
- Job title** : Commissioning, Operation & Start-up Engineer
-
- Dates** : From Aug. 2017 till Feb. 2018
- Employer** : [EGYPTROL](#), AC Boilers Subcontractor
- Project** : El-Shabab Power Station (1500MW), Ismailia
(consists of eight GE gas turbines 8x125MW combined with eight Ansaldo Caldaie HRSGs and two Ansaldo Energia steam turbines 2x250MW)
- Job title** : Commissioning, Operation & Start-up Engineer
- Job Description** :
 - Carry out walk down with all disciplines officially and make punch items to release commissioning to start.
 - HRSGs line up and initial filling.
 - Carry out steam blowing for all steam lines.

- Carry out all boiler Pumps and motors solo run and heat run tests.
- Safety valves pop up testing and test gags removing.
- Function check for all signals and valves.
- Start-up/shut down sequence checking as per manufacture instructions.
- Trouble shooting supporting and following the maintenance activities as per vendor recommendation.

Dates : From Feb. 2017 till Jun. 2017
Employer : Upper Egypt Electricity Production Co.
Project : South Helwan Supercritical Power Plant (3x650MW)
 (consists of three Mitsubishi Hitachi steam turbines 3x650MW with three Ansaldo Caldaie Supercritical boilers)
Job title : Commissioning, Operation & Start-up Engineer

Dates : From Dec. 2015 till Jan. 2017
Employer : [EGYPTROL](http://www.egyptrol.com), AC Boilers Subcontractor
Project : Banha Power Station (750MW)
 (consists of two GE gas turbines 2x250MW combined with two Ansaldo Caldaie HRSGs and one Ansaldo Energia steam turbine 1x250MW)

Job titles : I&C Engineer / Operation & Warranty Engineer
Job Description :

- All field instruments (thermocouples, vibration, flow, pressure and level transmitters, all servo valves and pneumatic actuators), Calibration & Installations & commissioning & loop check with control system.
- Monitor daily installation progress and check all activities at site according to engineering drawings.
- Prepare and keep the documentation of the daily progress report.
- Calibration of all field instruments at labor before installation.
- Field Instruments, control loops, DCS system (Yokogawa) and BMS system maintenance.
- Function check for all signals and valves.
- Start-up / shut down sequence checking as per manufacture instructions.
- Trouble shooting supporting and maintenance program making as per vendor recommendations.
- Documents making and turn over all packages to owner.
- Trouble shooting supporting and following the maintenance activities as per vendor recommendation.
- Proceed the Warranty rules for guaranty the components of AC boilers HRSGs against the malfunction defects and support both of the operation team and the maintenance groups to follow the perfect procedures of work otherwise the reports are sent to employer to show him the responsibility of the defects.
- Prepare documentation for predictive maintenance plan and schedule.

Dates : From Oct. 2014 till Dec. 2015
Employer : Egyptian Armed Forces
Job Description : Military Service as I&C Engineer for electrical power generation.

Dates : From Nov. 2012 till May 2014 (during education)
Employer : Al Tiar Company, Sohag
Job title : Software Engineer

Dates : From Jul. 2012 till Oct. 2012 (during education)
Employer : Aluminium Factory, Qena
Job title : Industrial Controller

Field of experience :

- About 3 years solid experience in Combined Cycle Power Plants industry.
- Strong understanding with different EPC philosophies in combined cycle power generations.
- Well-exposed and experienced in the commissioning, start-up, operation of the following:
 - Heat Recovery Steam Generators (HRSGs): AC boilers S.P.A (formerly Ansaldo Caldaie) horizontal heat recovery steam generator multi pressure with cold/hot re-heating.
 - AC boilers S.P.A (formerly Ansaldo Caldaie) supercritical boiler.
 - Mitsubishi Hitachi steam turbine (650MW).