

**100355-ELE-1OS-E-2004**  
**Senior Start-up & Commissioning Engineer**

Holds a B. Sc. in Communication Engineering, a High Voltage Diploma and M. Sc. in High Voltage Engineering. Has over 17 years hands-on experience working mainly in operation and start-up at Cairo North Power Plant.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 28/07/1981  
Gender : Male  
Residence : Giza, Cairo

## EDUCATION

- : B. Sc. in Communication Engineering, Helwan University, 2004
- : High Voltage Diploma, Cairo University (Electric Power & Machine Dept.), 2008
- : M. Sc. in High Voltage Engineering, Cairo University, 2012

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

- : Windows, MS Office (Word, Excel, Access, Power Point), Internet

## TRAINING COURSES AND CERTIFICATIONS

- : Training on repairing and maintenance of Mobiles in APTEC.
- : Training on maintenance of Radio and TV in National Civil Aviation Training Organization (NCATO) (from Oct. till Dec. 2004).
- : Training on Gas Turbine Operation Systems in Power Plant Training Center (PPTC) (Apr./May 2006).
- : Training on ABB DCS control systems (Harmony Base Configuration and Power Generation Portal Base (PGP) Configuration) in Genova – Italy (Jun. 2009).
- : TRAIN THE TRAINER in Saudi Electricity Company (SEC) (Aug. 2013).
- : Training on Continuous Emission Monitoring System (CEMS) in R2IPP (Nov. 2016).
- : Training on Operation & Maintenance of DESAL/DEMI Plant in R2IPP by METITO (Jan. 2017).

- : Team Building course (Al Tawil training consultant) (Oct. 2017).
- : Managing safely and risk assessment control (MASTERS Dubai) (Dec. 2017).
- : HSE Basic Training (MASTERS Dubai) (Dec. 2017).
- : Siemens Gas Turbine (SGT) Familiarization (Jul. 2018).
- : Siemens Steam Turbine (SST) Familiarization (Jul. 2018).

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Nov. 2019 till now

**Project** : Cairo North Power Plant 750MW Combined Cycle, Module I  
(2x250MW MHI gas turbine and 250MW HITACHI steam turbine with 2 Heat Recovery Steam Generation HRSG)  
(MHI gas turbine frame number M701F DLN NEM HRSG with Foxboro (DCS) control system HITACHI steam turbine type (TCDF) with General Electric GE Mark 6 as TCS control system)

**Job title** : Senior Start-up & Commissioning Engineer

**Job Description** :

- Responsible on start-up and operate the combined cycle power plant units and its auxiliaries.
- Work permits issuer and receiver.
- Perform switching on the Gas Insulation Systems (GIS), circuit breaker and switchgear with ranges 220/11/6.3KV and also perform the connection and disconnection of the feeders and bus bars when needed for that.

**Dates** : From Oct. 2016 till Nov. 2019

**Employer** : NOMAC - KSA

**Project** : Rabigh Independent Power Plant (R2IPP)

**Job title** : Training Engineer

**Job Description** :

- Identify the technical training Gaps for trainees.
- Provide a technical training about power plant systems for various levels for engineers and Technicians.
- Prepare individual development Plane IDP for all positions in the plants.
- Identify the training requirements for the various level and coordinate with the 3<sup>rd</sup> party to provide the training needs for the employees.
- Make the training plan and budget required to cover the training gaps identified before.
- Management and reporting for the training activities in plant and out plant correspondingly.
- Preparing the qualification program (JQP) for the plant to be applicable for any new employee for all possible job titles.

**Dates** : From Jan. 2014 till Oct. 2016

**Project** : Cairo North Power Plant 750MW Combined Cycle, Module I  
(2x250MW MHI gas turbine and 250MW HITACHI steam turbine with 2 Heat Recovery Steam Generation HRSG)  
(MHI gas turbine frame number M701F DLN NEM HRSG with Foxboro (DCS) control system HITACHI steam turbine type (TCDF) with General Electric GE Mark 6 as TCS control system)

- Job title** : Start-up & Commissioning Engineer
- Job Description** :
  - Responsible on start-up and operate the combined cycle power plant units and its auxiliaries.
  - Work permits issuer and receiver.
  - Perform switching on the Gas Insulation Systems (GIS), circuit breaker and switchgear with ranges 220/11/6.3KV and also perform the connection and disconnection of the feeders and bus bars when needed for that.
- Dates** : From Jun. 2013 till Dec. 2013
- Job Description** : Training Engineer in Saudi Electricity Company Training Institute (SECTI) in Dammam.
- Dates** : From Feb. 2005 till May 2013
- Project** : Cairo North Power Plant 750MW Combined Cycle, Module I  
(2x250MW MHI gas turbine and 250MW HITACHI steam turbine with 2 Heat Recovery Steam Generation HRSG)  
(MHI gas turbine frame number M701F DLN NEM HRSG with Foxboro (DCS) control system HITACHI steam turbine type (TCDF) with General Electric GE Mark 6 as TCS control system)
- Job title** : Start-up & Commissioning Engineer
- Job Description** :
  - Responsible on start-up and operate the combined cycle power plant units and its auxiliaries.
  - Work permits issuer and receiver.
  - Perform switching on the Gas Insulation Systems (GIS), circuit breaker and switchgear with ranges 220/11/6.3KV and also perform the connection and disconnection of the feeders and bus bars when needed for that.
- Further experiences** :
  - Shared in SIDI KRIR MHI Commissioning team and have an experience in this field of work.
  - Worked as a Consultant Engineer at the Arab Center for Human Resources Development and Technology Transfer.