

**101773-MEC-MOS-E-1995**  
**Commissioning & Start-up Engineer**

Holds a B. Sc. in Mechanical Engineering and has over 20 years hands-on experience, including 15 years working in operation, maintenance, commissioning and start-up at several Power Stations.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 31/10/1972  
Gender : Male  
Marital Status : Married  
Residence : El-Behira

## EDUCATION

: B. Sc. in Mechanical Engineering, Menoufia University, 1995

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office, Internet  
: AutoCAD (2000 – 2006)  
: Primavera

## TRAINING COURSES AND CERTIFICATIONS

: Training at (65MW x 3 Units) Damanhour Power Station.  
: Training at (325MW) Damanhour Power Station.  
: Training course at operating of power station at Abu Qir Training Center.  
: Internal Quality Auditors ISO 9001 from German TÜV.  
: Middle Management from European Management Center.  
: ISO 9002.

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Feb. 2016 till now  
**Employer** : INITEC Energia (CONSTRUCTION and Service Company)  
**Project** : Suez 650MW STEAM CYCLE THERMAL POWER PLANT:  
• 1x650 MW ALSTOM Thermal STG

- Ansaldo Caldaie Main steam boiler, Alstom Thermal turbine 650MW
  - ENTROPIE (Veolia) Desalination units: two units produce each one 3000 m<sup>3</sup>/day of distillate water
  - Lointek auxiliary steam boiler: solar fuel, rated 45000 Kg/h
  - Cerney auxiliary steam Reboiler
- Job title** : Commissioning & Start-up Engineer
- Job Description** :
- CIRCULATING PUMP SYSTEM.
  - SERVICE PUMP SYSTEM.
  - SELF CLEANING FILTER.
  - LUBRICATION SKID SYSTEM.
  - DEMIN SYSTEM.
  - WASTE WATER SYSTEM.
  - CLOSED COOLING SYSTEM.
  - AIR COMPRESSORS.
  - CHEMICAL CLEANING.
  - STEAM BLOWING.
  - CONDESER, DEBRIS FILTER & BALL CLEANING SYSTEMS.
  - CHEMICAL WATER TREATMENT.
  - CHEMICAL INJECTION SYSTEM (PH, AMMONIA, O2 SCAVENGER).
  - SUMP PUMP SYSTEM.
- Dates** : From Oct. 2011 till Feb. 2016
- Employer** : INITEC Energia (CONSTRUCTION and Service Company)
- Project** : North Giza Combined Cycle 3x750MW  
(2x250MW GE CTG type MS9001 (9FA), 1x250MW STG Ansaldo, two STF horizontal HRSG, 500KV switchyard, Medium and low switchgears)
- Job title** : Commissioning & Start-up Engineer
- Job Description** :
- Circulating pump system.
  - Service pump system.
  - Self cleaning filter.
  - Lubrication skid system.
  - Demin system.
  - Waste water system.
  - Closed cooling system.
  - Air compressors.
  - HRSG chemical cleaning.
  - High, intermediate & low pressures lines steam blowing.
  - Condenser, debris filter & ball cleaning systems.
  - High pressure, intermediate & low pressure systems.
  - Chemical water treatment.
  - Chemical injection system (PH, AMMONIA, O2 SCAVENGER).
  - Sump pump system.
  - Ventilation system.
  - Chlorine injection system.
  - Fuel oil treatment.
  - Performance test procedure.
  - Doing pre-commissioning and commissioning checks and preparation of the gas turbine start-up after regular maintenance or overhaul work.
  - Maintenance of GE steam turbine and its auxiliaries.

- Ability to analyze turbine data to calculate the efficiency of the turbine after the maintenance work.

**Dates** : From Jan. 2009 till Sep. 2011  
**Employer** : INITEC Energia (CONSTRUCTION and Service Company)  
**Project** : Nubaria Module III Combined Cycle (750MW):  
 2x250MW GE CTG type MS9001 (9FA), 1x250MW STG ALSTOM, two STF horizontal HRSG, 500KV switchyard, medium & low switchgears  
**Job title** : Operation, Commissioning & Start-up Engineer  
**Job Description** :
 

- Circulating pump system.
- Service pump system.
- Self cleaning filter.
- Lubrication skid system.
- Demin system.
- Waste water system.
- Closed cooling system.
- Air compressors.
- HRSG chemical cleaning.
- High, intermediate & low pressures lines steam blowing.
- Condenser, debris filter & ball cleaning systems.
- High pressure, intermediate & low pressure systems.
- Chemical water treatment.
- Chemical injection system (PH, AMMONIA, O2 SCAVENGER).
- Sump pump system.
- Ventilation system.
- Chlorine injection system.
- Fuel oil treatment.
- Performance test procedure.

**Dates** : From Nov. 2001 till Jan. 2009  
**Employer** : Egyptian Electricity Holding Co. / West Delta Electricity Production Co.  
**Project** : DAMANHOUR Combined Cycle Power Station  
**Job title** : Gas & Steam Turbine Maintenance Engineer / Shift Engineer  
**Job Description** :
 

- Doing all types of maintenance (preventive, Predictive and breakdown) for plant rotating equipment (Pumps, Air compressors, gas turbines and steam turbine).
- Doing all types of inspection of gas turbines; Stand by inspection, running inspection and Disassembly inspection (major inspection, hot gas path inspection and combustion inspection).
- Safe operation of 2 modules of combined cycle power plant, each module consists of:
  - 4 Hitachi Gas Turbine Units.
  - 4 NEM Heat Recovery Steam Generators.
  - 1 General Electric Steam Turbine & its Auxiliaries.
  - DCS Control System.
  - Mark II Control System.
  - Mark V Control System.

**Dates** : From Jul. 1996 till Jan. 1999  
**Employer** : Ministry of Defense – Vehicles Administration  
**Job Description** : Maintenance and repairing vehicles in garages, storing and buying spare parts.