

**101784-MEC-1GMOS-E-1995**  
**Lead Mechanical Commissioning Engineer**

Holds a Sc. in Mechanical Engineering and has over 25 years experience, including 20 years working in Power Plants maintenance, operation, commissioning and start-up.

## 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 Jan. 2020 till now  
**Employer** : JEPCC 1  
**Job Description** : Lead Mechanical Commissioning Engineer during the commissioning and start-up of WEST CAIRO Supercritical 1x650MW Power Plant.

**Dates** : From Sep. 2017 till Oct. 2019  
**Employer** : TECHINT Engineering and Construction  
**Job Description** : Senior Mechanical Commissioning Engineer during the commissioning and start-up of South Helwan Supercritical 3x650MW Power Plant.

**Dates** : From Feb. 2016 till Aug. 2017  
**Employer** : INITEC Energia (Construction and Service Company)  
**Project** : Suez 650MW STEAM CYCLE THERMAL POWER PLANT:

- 1x650MW ALSTOM Thermal STG.
- Ansaldo Caldaie Main steam boiler, Alstom Thermal turbine 650MW.
- ENTROPIE (Veolia) Desalination units: two units produce each one 3000 m3/day of distillate water.

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

**Job Description** :

- Lointek auxiliary steam boiler: solar fuel, rated 45000 Kg/h.
- Cerney auxiliary steam Re-boiler.
- 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.
- CONDENSER, DEBRIS FILTER & BALL CLEANING SYSTEMS.
- CHEMICAL WATER TREATMENT.
- CHEMICAL INJECTION SYSTEM (PH, AMMONIA, O2 SCAVENGER).
- SUMP PUMP SYSTEM.

**Dates** : From Oct. 2012 till Feb. 2016  
**Employer** : INITEC Energia (Construction and Service Company)  
**Project** : North Giza Site Combined Cycle 3x750MW  
(2x250MW GE CTG type MS9001 (9FA), 1x250MW STG - Ansaldo Energia, 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 G.E. steam turbine and its auxiliaries.
- Ability to analyze turbine data to calculate the efficiency of the Turbine after the maintenance work.

<b>Dates</b>	:	From Jan. 2009 till Sep. 2011
<b>Employer</b>	:	INITEC Energia (Construction and Service Company)
<b>Project</b>	:	Nubaria Site Module III Combined Cycle 750MW (2x250MW GE CTG type MS9001 (9FA), 1x250MW STG - ALSTOM, Two STF horizontal HRSG, 500KV switchyard, Medium and low switchgears)
<b>Job title</b>	:	Operation, Commissioning & Start-up Engineer
<b>Job Description</b>	:	<ul style="list-style-type: none"><li>• CIRCULATING PUMP SYSTEM.</li><li>• SERVICE PUMP SYSTEM.</li><li>• SELF CLEANING FILTER.</li><li>• LUBRICATION SKID SYSTEM.</li><li>• DEMIN SYSTEM.</li><li>• WASTE WATER SYSTEM.</li><li>• CLOSED COOLING SYSTEM.</li><li>• AIR COMPRESSORS.</li><li>• HRSG CHEMICAL CLEANING.</li><li>• HIGH, INTERMEDIATE &amp; LOW PRESSURES LINES STEAM BLOWING.</li><li>• CONDENSER, DEBRIS FILTER &amp; BALL CLEANING SYSTEMS.</li><li>• HIGH PRESSURE, INTERMEDIATE &amp; LOW PRESSURE SYSTEMS.</li><li>• CHEMICAL WATER TREATMENT.</li><li>• CHEMICAL INJECTION SYSTEM (PH, AMMONIA, O2 SCAVENGER).</li><li>• SUMP PUMP SYSTEM.</li><li>• VENTILATION SYSTEM.</li><li>• CHLORINE INJECTION SYSTEM.</li><li>• FUEL OIL TREATMENT.</li><li>• PERFORMANCE TEST PROCEDURE.</li></ul>
<b>Dates</b>	:	From Nov. 2001 till Jan. 2009
<b>Employer</b>	:	West Delta Electricity Production Company
<b>Project</b>	:	DAMANHOUR Combined Cycle Power Station (4 Hitachi Gas Turbine Units, 1 GE Steam Turbine & its Auxiliaries)

- Job Description** :
- Gas and Steam Turbine Maintenance Engineer:
    - 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).
  - Shift Engineer:  
Safe operation of 2 Modules of combined cycle power plant, each module consists of:
    - 4 Hitachi Gas Turbine Units.
    - 4 NEM Heat Recovery Steam Generation.
    - 1 GE Steam Turbine & its Auxiliaries.
    - DCS Control System.
    - MK II Control System.
    - MK 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.

Skills:

Good knowledge about GAS Power Station.