

# 100279-ELE-148CMS-E-1986

## Construction & Commissioning Manager

Holds a B. Sc. in Electrical Engineering and has over 33 years hands-on experience in fossil fuel power plants from testing through start-up and operation, he is an expertise in this field. Has also the complete knowledge and experience in electrical and I&C system start-up and operation requirements. Is capable to prepare and put in order the complete turnover packages for different systems and to execute their performance testing. Has very high managerial and communication skills beside his technical capabilities.

### PERSONAL DATA

Nationality : Egyptian  
Birth Date : 28/01/1961  
Gender : Male  
Marital Status : Married  
Residence : Nasr City, Cairo

### EDUCATION

: B. Sc. in Electrical Engineering, 1986

### LANGUAGES

Arabic : Native Language  
English : Good

### COMPUTER SKILLS

: Windows, MS Office (Word, Excel), Internet

### TRAINING COURSES AND CERTIFICATIONS

: Course with Bechtel Co. in Shoubra El-Kheima Power Plant related to power plant components and auxiliary (6 months).  
: Course with Don Bosco Institute (Cairo) in Motor Automatic Control (3 months).

### CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Jun. 2017 till now  
**Employer** : TECHNIT FOR ENGINEERING & CONSTRUCTIONS  
**Project** : DAMIETTA COMBINED CYCLE POWER PLANT  
(4 gas turbines & 4 HRSGS and steam turbine 300MW)  
**Job title** : Construction & Commissioning Manager (mechanical, elect. & instruments)

**Job Description** : 

- Installation of electric panels.
- Supervision for cable pulling (power, instrument cables).
- Loop check for all cables.
- Installation of all kinds of cable trays & conduit pipes and check the termination of all medium & low voltage cable with the panels.
- FOR COMMISSIONING:
  - Responsible for start-up all systems.
  - Review & check all mechanical & electrical circuits.
  - Prepare work permits for subcontractors.
  - Operation or all systems after finish commissioning.
  - Prepare maintenance programs for the equipment's.
  - Alignment for axial pumps and axial flow and centrifugal pumps.
  - Make flushing for all the piping and lines and blow out before.
  - Check and maintain all the pumps greasing, good rotation and good vibration.
  - Check with construction people the hydro test for all the lines with the acceptable pressure.
  - SUPERVISION THE OIL FLUSHING FOR THE STEAM TURBINE (SIEMENS S.T. 250MW).
  - Supervise turning gear operation and then rolling and speed rise till 3000 RPM and synchronizing and check overall the turbine bearing temp. and vibration and abnormal noise, etc.

**Dates** : For 3 months  
**Employer** : OHL INDUSTRIAL in AMMAN, JORDAN  
**Project** : Project for storage the petroleum products  
**Job title** : Construction & Commissioning Leader (mechanical, elect. & instruments)  
**Job Description** : 

- Start-up the m. voltage breakers of switchgear and M.CCS and AC UPS and the batteries and check loop check and all D.C.S. Signals.
- PREPARE FOR ALL THE LINES AND FLUSHING AND PREPARE FOR START THE PUMPS AND CHECK THE PERFORMANCE AFTER WORKING.

**Dates** : From Feb. 2016 till Apr. 2017  
**Employer** : ORASCOM for constructions  
**Project** : Burullus Power Plant, consists of 4 modules each one output is 1200MW so this combined cycle total out. is 4x1200MW which is considered the biggest power plant in Egypt  
**Job title** : Construction Manager  
**Job Description** : 

- Manage the staff to work as the schedule and matching with the p.p. plan.
- Supervision for electric and instrumentations installation activities.
- Planning for the forecasted activities.
- Review all the reports and drawings associated for the project.
- Prepare and helping for pre-commissioning and start-up activities.

**Dates** : From Jan. 2013 till Dec. 2014  
**Employer** : INITEC ENERGIA

**Project** : GIZA NORTH POWER PLANT 2250MW COMBINED CYCLE  
**Job title** : Commissioning Engineer (mechanical, elect. & instruments)  
**Job Description** :

- Responsible for installation of electric systems and cables and instrumentations as well.
- Prepare all the systems for commissioning and start-up.
- CHECK AND SUPERVISE ALL THE CABLES TERMINATION SCHEDULES WITH ALL PANELS.
- FOLLOW UP CALIBRATION OF ALL INSTRUMENTS BEFORE INSTALLATION AND PREPARE FOR START-UP.
- CHECK ALL ALIGNMENT ALL THE PUMPS AND ROTATION GOOD AND NO VIBRATION AS WELL PUT ALL THE SYSTEMS IN SERVICE MECHANICALLY AND ELECTRICALLY WITH GOOD PERFORMANCE.

**Dates** : From Jun. 2011 till Jun. 2012  
**Employer** : Doosan Heavy Industries & Construction  
**Project** : EL AIN EL SOKHNA THERMAL POWER PLANT 2x650MW  
**Job title** : Electrical Engineer for construction and commissioning

**Dates** : From Jun. 2008 till Aug. 2010  
**Employer** : Initec Energia  
**Project** : El-Tebbin Thermal Power Plant  
**Job title** : Electrical Construction & Commissioning Engineer  
**Job Description** :

- Erecting of power transformers and erecting of gas insulated bus bars GIS.
- Erecting of all types of conduit pipes and cable trays also pulling cables all types of cables medium and high and low voltage.
- Responsible also about fire fighting system and commissioning.
- Erecting all the electrical panels and testing the power outlet.
- Responsible for pulling all types of cables and meggering and continuity tests.
- Responsible for erection the fire fighting system in the power plant and participating in commissioning for all the buildings and also for fuel tanks as well.
- Erection all the equipments of the hydrogen plant and all the cables associated.
- Erection the system of d.c. and ups system and participate in commissioning.
- SUPERVISION OIL OF TURBINE FLUSHING AND CHECK ALL THE TURBINE PUMPS ROTATION AND RPM AND GOOD RUNNING.
- CHECK THE RUNNING AND SPEED RATE PROCEDURES OF THE TURBINE.
- CHECK AND SUPERVISE THE SYNCHRONIZATION PROCEDURES AND TURBINE LOADING TILL FULL LOAD.

**Dates** : From May 2005 till May 2008  
**Employer** : Snamprogetti/ENI Group – AGIP

- Project** : Western Libya Gas Project:
- The power plant consists of 4 boilers 350 ton/hr for each, 3 Steam Turbines each 25MW, M.C.R., B.F.WTR, PIP's and L.P.PIPs. Their steam headers are L.P., M.P. and H.P. Steam.
  - Five systems which include Foam, WTR Deluge, VLV and Gas detectors.
  - Condensate Storage Tanks (for transfer and ship loading).
  - Sulphur Pastillation unit and Sulphur loading and shipping.
- Job title** : Shift Supervisor for Power Plant & Utility  
(COMMISSIONING FOR ELECTRIC, MECHANICAL & INSTRUMENT)
- Job Description** :
- Inspection for pulling cables l.v and m. volt cables.
  - Erection most of electric panels and testing in and out.
  - Erection of all types of cable trays and conduit pipes.
  - CHECK ALL THE ROTATING PUMPS ROTATION, VIBRATION, SPEED AND ABNORMAL NOISE AND RECORD ALL THESE DATA EACH DAY AND EVERY WEEK.
- Dates** : From Dec. 2003 till May 2005
- Employer** : PGESCO
- Project** : Cairo North Combined Cycle Power Station 2x750MW
- Job title** : Electrical Commissioning Engineer
- Job Description** :
- Supervision, coordination, troubleshooting and commissioning for the following systems:
    - Medium voltage 6.3KV.
    - Load center 400 V.
    - MCC check and commissioning.
    - DC and UPS.
    - Generator protection review and testing.
    - Switchyard 220KV, testing and commissioning all equipment.
    - Check all protection relays and all interlock tests.
    - Monitoring the high voltage test for GIB GIS.
  - Erection of electric panels and connect the cables.
- Dates** : From Aug. 2002 till Dec. 2003
- Employer** : 3EC Co. (French Company)
- Projects** : Ain Sokhna & East Port Said Power Plant 4x340MW units
- Job title** : Commissioning Engineer
- Job Description** :
- Preparation for operation and start-up many systems, check all instrument & electrical devices and also flushing for the pipes & after steam blow.
  - Check the logic for many systems.
  - Check input & output of temperature sensors & pressure sensors & flow transmitters.
  - Flushing all the systems.
  - CHECK THE ROTATION OF ALL PUMPS VIBRATION AND ABNORMAL NOISE.
  - PREPARE STEAM TURBINE FOR ROLLING AND LODED AFTER AND CHECK ALL BEARINGS VIBRATIONS AND ABNORMAL NOISE AND SAFE OPERATION.

**Dates** : From Jun. 1999 till Aug. 2002  
**Employer** : Babcock & Wilcox  
**Projects** :

- El-Kureimat Thermal Power Plant 2x630MW, natural circulation, one drum, water tube dual firing Mazout and Natural Gas, together with Auxiliary Boiler Thermal Power Plant with capacity of 120t/h.
- Ayoun Moussa Thermal Power Plant 2x320MW, natural circulation, one drum, water tube dual firing Mazout and Natural Gas, together with Auxiliary Boiler Thermal Power Plant with capacity of 58t/h.

**Job title** : Shift Supervisor Engineer (mechanical & electrical)  
**Job Description** :

- Preparation for start-up and operation of all units.
- Coordination with Network Control Center for load adjustment, voltage and power factor, including increases and decreases in loads.
- Operation of Gas Turbine during continuous operation.
- Performance of mechanical and electrical routine checks.
- Operation of demineralized water plant and help in electric and mechanic maintenance.

**Dates** : From Jul. 1996 till Jun. 1999  
**Employer** : The Sanitary and Drainage of Great Cairo Authority  
**Job title** : Electrical Engineer  
**Job Description** :

- Maintenance of electrical panels of pumps to 3150V.
- Maintenance of vacuum circuit breaker up to 11KV rating also 3150V.
- Maintenance of LV and MV motors.
- Maintenance of LV and MV transformers.
- Protection measuring device maintenance and calibration.
- Maintenance of movable generators from 50KW – 75KW up to 160 KW, also 850KW like Rolls Royce, Caterpillar nibbon, etc.

**Dates** : From Nov. 1994 till Feb. 1996  
**Employer** : Cimimontubi Co.  
**Project** : Damanhour Combined Power Plant: one module, one turbine, 1x85MW Steam T.B. and four Gas Turbines 4x25MW  
**Job title** : Commissioning Engineer  
**Job Description** :

- Preparation for start-up and operation of all units.
- Coordination with Network Control Center for load adjustment, voltage and power factor, including increases and decreases in loads.
- Operation of Gas Turbine during continuous operation.
- Performance of mechanical and electrical routine maintenance on site.
- Operation of demineralized water plant.

**Dates** : From Jan. 1995 till Jul. 1996  
**Employer** : Sunrise Group for Electrical Construction  
**Job title** : Electrical Engineer  
**Job Description** : Achieve weekly and monthly work schedule including:

- Cable extension, cable tray installation and conduit pipes.
- Testing relays and cables.

**Dates** : From Jun. 1993 till Dec. 1994  
**Employer** : Ansaldo Co.  
**Project** : Esna Hydro Power Plant 6x15MW  
**Job title** : Electromechanical Engineer  
**Job Description** :

- Manage water level before and after the barrage from the computer in control room (DCS).
- Responsible for electric MCC and routine maintenance.
- Coordination with Control Center for load adjustment, voltage and power factor.
- Troubleshooting the electric problems and execute the routine electric and mechanic maintenance.

**Dates** : From Aug. 1991 till Jun. 1993  
**Project** : Shoubra El-Kheima Thermal Power Plant 4x350MW, Natural Gas, Gas Turbine unit 1x45MW FIAT T.T.G. for emergency  
**Job title** : Electrical Engineer  
**Job Description** : Review all the drawings and the electric documents and also the contract items for the contractors, participate in the construction of the power plant.

**Dates** : From Jan. 1990 till Jul. 1991  
**Employer** : Ansaldo Co.  
**Project** : Damanhour Thermal Power Plant 1x350MW, Natural Gas and Mazout Fired Boiler  
**Job title** : Operation Engineer  
**Job Description** :

- Preparation for start-up and operation of all units.
- Coordination with Network Control Center for load adjustment, voltage and power factor, including increases and decreases in loads.
- Operation of Gas Turbine during continuous operation.
- Performance of mechanical and electrical routine maintenance on site.

**Dates** : From Feb. 1988 till Jan. 1990  
**Employer** : Shoubra El-Kheima Thermal Power Plant 4x350MW, Natural Gas Mazout Fired Boiler  
**Job title** : Control Room Operator

**Dates** : From Aug. 1986 till Jan. 1988  
**Project** : Shoubra El-Kheima Thermal Power Plant 4x350MW, Natural Gas and Mazout Fired Boiler  
**Job title** : Operation Engineer  
**Job Description** :

- Preparation for start-up and operation of all units.
- Coordination with Network Control Center for load adjustment, voltage and power factor, including increases and decreases in loads.
- Operation of Gas Turbine during continuous operation.
- Performance of mechanical and electrical routine maintenance on site.