

**101906-ELE-15CMOS-E-2010**  
**TL - Commissioning / Operation Engineer**

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 11 years' experience in (cold/hot) electrical, mechanical, commissioning, operation and maintenances for combined cycle power plant's systems and equipment.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 29/09/1987  
Gender : Male  
Marital Status : Married  
Residence : Assiut

## EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, El-Shorouk Academy, 2010

## LANGUAGES

Arabic : Native Language  
English : Very Good  
German : Fair

## COMPUTER SKILLS

: Windows, MS Office, Internet

## TRAINING COURSES AND CERTIFICATIONS

- : Controlling, generators, turbines, GIS room, OHTL, Protection and maintenance (25 hrs), New Assiut Power Station (Weledeiah) (Jul./Aug. 2008).
- : OHTL, relays, power transformer stations, tests on Transformers, UG cables (30 hrs), Egyptian Company for power transmission (Assiut) (Aug. 2008).
- : Cables and its characteristics and manufacturing (20 hrs), Egyptian Electrical Cables Company.
- : Introduction to MATLAB (20 hrs), Cairo University.
- : MATLAB 1 (20 hrs), Cairo University.
- : ICDL, Shorouk Academy (30 hrs).
- : German: A1.

# CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Nov. 2017 till Jul. 2020  
**Employer** : Orascom Construction (Outsource)  
**Project** : New Assiut 1500MW Add-On Power Plant  
**Job title** : TL - Mechanical Commissioning / Operation Engineer

**Dates** : From Dec. 2015 till Nov. 2017  
**Employer** : ELSEWEDY ELECTRIC - PSP  
**Project** : Beni Suef 4800MW Combined Cycle Power Plant  
**Job title** : Sr. Mechanical Commissioning, Operation & Maintenance Engineer

**Dates** : From Feb. 2013 till Dec. 2015  
**Employer** : VINCI COSTRUCTION GRAND PROJECTS (part of EFNAB JV)  
**Project** : NEW ASSIUT BARRAGE  
**Job title** : Construction / Maintenance / Operation Engineer of Batching Plant Area and related system  
**Job Description** :

- Installation, Operation and Maintenance of two Batching Plants (EUROPEQUIPEMENT BATCHING PLANT (France)).
- Installation, Operation and Maintenance of Cooling Plant (KTI plersche kaltechnik (Germany)).
- Installation and Maintenance of Washing Aggregates Plant (M.S. (FRANCE)).
- Automatic Control Works ((OMRON, SIEMENS S7-300, SCHNEIDER MODICON M340) wiring, testing of inputs outputs and solving problems).
- Classic control works (Designing and implementation of classic control circuits).
- Power distribution (Transformers, Main Panels, Sub Panels, Cables).
- Power generation (ORASCOM TRADING, 12.7MW Diesel Power Plant, Auxiliary Generators).
- Weighing system (Programming, calibration, wiring of communication BUS, installation of load cells, troubleshooting problems).
- HVAC (Installation and Testing and Solving Problems).
- Electrical Maintenance Works (Valves, Transmitters, Motors, Conveyors, Cables...).

**Dates** : From Aug. 2013 till Jan. 2014  
**Employer** : GAMMA International Co.  
**Job Description** :

- Supervision of Production.
- Testing of Final Product.
- Sales Engineer.

**Dates** : From Apr. 2012 till Jul. 2012  
**Employer** : Egyptian Company for home appliance  
(Manufacturing of Electrical Home Appliances)  
**Job Description** : Electrical Maintenance Works.

- Field of experience :**
- Operation duties (Control Room In-charge Operation Engineer):
    - The field of Automation and Operation Systems BOP as cooling tower make up system, row water pumps, service cooling pumps, water treatment plant, Feed water system, condensate system, closed cooling system and demineralized water system, ACC system and electrical auxiliaries using SIEMENS SPPA-T3000 at Beni Suef Combined Cycle Power Plant 4.8 GW and GE Mark VIe at New Assiut Combined Cycle Power Plant 1.5 GW.
    - Monitor and control all process parameter conditions such as flow rates, pressures, temperatures, levels, etc. make process adjustments. Through displays, graphics and trend logs or by acquiring plant site information from field operator to ensure safe efficient and smooth process operation.
    - Trouble shooting and takes immediate corrective actions to limit risk to personnel, plant equipment and production during emergency situations and Report to Shift Supervisors in case of parameter abnormalities and process deviations immediately.
    - Reach the normal points of the normal operation of all plants system and solving all start up BOP problems.
    - Toolbox training of staff in site to ensure maximum efficiency and safety of labor and time.
  - Mechanical Commissioning duties (TL Mechanical Commissioning Engineer):
    - Managing, planning and implementing successfully the execution of pre-commissioning, Commissioning, start-up and operation of New Assiut Combined Power Plant 1500MW, which consists of:
      - ❖ Eight (8) CTGs, GE (PG 9171E) duel fired gas turbine generator equipment.
      - ❖ Two (2) STGs (GE Steam turbine generator equipment package - D202).
      - ❖ Eight (8) Duel Pressure Doosan HRSGs, including all required balance of plant systems.
      - ❖ Two (2) SPIG Air Cooled Condensers.
      - ❖ Chemical feed systems.
      - ❖ Auxiliaries: Lube, seal, hydraulic & lifting oil of two modules.
      - ❖ All BOP systems such as Feed water system, condensate system, closed cooling system and demineralized water system, etc.
      - ❖ 8-Braden-Europe B.V. diverter dumpers.
    - Review operating manuals in cooperation with Vendors.
    - Follow contract to ensure contractual obligations will be met.
    - Find out technical problems associated with rotating equipment and mechanical packages/valves are identified and resolved or coordinated with the respective vendor.
    - Leading the mechanical commissioning team consists of 15 mechanical commissioning engineers, and more than 50 supervisors and technicians.
    - Identified hundreds of punch items during the pre-commissioning and commissioning walks down and closed them with the construction and QC team.
    - Make sure all systems are designed, installed, tested, operated, & maintained according to the operational requirements of the owner or final client.

- Commissioning for SIEMENS SGT5-5000H and its auxiliaries' systems at Beni Suef CCPP 4800MW and all BOP systems and equipment.
- Steam blow activities of boilers and main steam piping.
- Preservation activities of boilers, pipes and equipment.
- Electrical Commissioning Engineer:
  - Prepare test plans, supervise and coordinate commissioning activities for Power Transformers, Voltage Regulators, CB's, PT's, CT's, HV Switches and Station Service Equipment and AC/DC System such as UPS, Chargers, Batteries and Transfer Switches.
  - Ensure operation and performance are in compliance with the design criteria. Define and review method and action to ensure proper operations of equipment, system and plant.
  - Defining and requesting work and/or test permit, release from service operations and to follow-up of clearance Works and responsible in handing over of commissioned system to the operation team.
- Electrical Construction duties:
  - Supervision Construction of electrical systems (panels, motors, cables, raceways, instruments).
  - Arranging meetings with subcontractors to control progress and solving problems.
  - Coordination with all in charge disciplines, departments, tech. offices and consortium to solve obstructing problems and accelerating work.
  - Raceway, cable trays installation, pulling and termination of cables.
  - Construction of Switchgear, Medium voltage and Low voltage.
  - Construction of Emergency Diesel Generator.
  - Construction of Small, medium and large Capacity Transformers.
  - Construction of building electricity sources and installation.
  - Lighting of module.
  - Earthing of all equipment and raceway.
  - Erecting all types of building instruments.
- Experience of the commissioning, operation and maintenance of power plant systems, electrical generating equipment, and related mechanical equipment in Power Plant.
- Knowledge of reading PID's, SLD's and LOGIC.
- Considerable knowledge of the occupational hazards and safety precautions applicable to the work.
- Ability to work with medium and low voltage equipment and rotating machines.
- Ability to detect operating defects and faults.
- Ability to monitor and evaluate program and organizational performance in order to assess efficiency and effectiveness.
- Ability to maintain work schedules and uphold work standards.
- Ability to communicate effectively with others, both verbally and writing.
- Working under pressure and in teamwork.
- Good end user of Microsoft Office and another computer software.
- Ability to maintain favorable public relations.
- Arranging meetings with related personnel.
- Considerable experience in construction, maintenance operation of systems.

- Warranty responsibility of systems.