

Holds a B. Sc. in Mechanical Power Engineering and has over 4 years hands-on experience working mainly in commissioning.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 02/03/1991  
Gender : Male  
Marital Status : Single  
Residence : Qalubia

## **EDUCATION**

: B. Sc. in Mechanical Power Engineering, Benha University, 2014

## **LANGUAGES**

Arabic : Native Language  
English : Very Good

## **COMPUTER SKILLS**

: Windows, MS Office, Internet

## **TRAINING COURSES AND CERTIFICATIONS**

- : Commissioning and start-up of refineries mechanical equipment (Jan. 2019).
- : P6: Mastering Primavera v6 (Apr. 2016).
- : ICDL (MS Office, Internet) (Dec. 2012).
- : Trainings at:
  - El-Tebbin Thermal Power Plant (2x350MW) – KAHROMIKA.
  - Ras Budran Field - Suez Oil Company.
  - Zeit Bay Field - Suez Oil Company.
  - Suez Thermal Power Plant (1x650MW) – KAHROMIKA.

## **CHRONOLOGICAL EXPERIENCE RECORD**

**Dates** : From Apr. 2020 till now  
**Employer** : ACTIVE BRAINS CONSULTANT GROUP (ABCG)  
**Project** : Vilette Compound, New Cairo  
**Job title** : Mechanical Engineer

**Job Description** : 

- Monitor site performance and progress.
- Monitor contractors performance according to shop drawing.
- Supervise the contractor inspection request (IR).
- Supervise the contractor material inspection request (MIR).

**Dates** : From Aug. 2019 till Jan. 2020

**Employer** : MITSUBISHI HITACHI POWER SYSTEMS (MHPS)

**Project** : South Helwan 3x670MW Supercritical Power Plant

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

**Job Description** : 

- Perform steam turbine commissioning activities (lube oil, jacking oil and seal oil systems).
- Follow start-up to synch sequence, shutdown sequence and bypass operation of (MHPS 3 Casing Reheat turbine) (TC4F-40.5”).
- Perform steam turbine operational inspections.
- Perform steam turbine routine operation tests (electrical auto start test & oil pump auto start test).
- Perform turbine routine maintenance tests following the manual instructions.

**Dates** : From Jan. 2019 till Jul. 2019

**Employer** : GAMA Construction

**Project** : BENBAN SOLAR PARK (SCATEC SOLAR PROJECT)

**Job title** : Testing & Commissioning Engineer

**Job Description** : 

- Review the project technical documentations (layout, single line diagrams and so on).
- Define the commissioning work work packages and prepare the commissioning procedures.
- Supervise commissioning activities in field.
- Ensure safe execution of all commissioning activities through the application of the work permit procedure.
- Check the continuity of cables.
- Perform the insulation resistance test (megger) for medium voltage cables, DC500, AC power tracker cables and also string cables of modules.
- Make loop check for the tracker control unit communication loop.
- Make loop check for the combiner box communication loop.
- Finalize all test reports for all tests to the MCC.

**Dates** : From Nov. 2017 till Jan. 2019

**Employer** : Orascom Construction (OC)

**Project** : New Assiut Combined Cycle ADD-ON Power Plant 500MW - consortium with General Electric (GE)

**Job title** : Mechanical Commissioning Engineer

**Job Description** : 

- Make a commissioning plan for the commissioning team according to site needs and requirements depending on previous knowledge of planning.
- Identify systems and sub-systems by marking up of PID's system definition.
- Review operating manuals in cooperation with Vendors.

- Assess the requirements of labor, special tools, temporary facilities and equipment required for pre-commissioning and commissioning.
- Follow contract to ensure contractual obligations will be met.
- Perform Piping and Ducts Pre-Commissioning, Commissioning Procedures such as Hydrostatic test, Pneumatic test, Flushing, Air blowing, and leak test.
- Develop punch list and exception list for systems.
- Participate for Testing and commissioning for GE steam turbine oil systems (lube oil & seal oil & lift oil and hydraulic oil).
- Participate in pre-commissioning and commissioning for steam seal and gland steam condenser systems.
- Responsible for Testing and commissioning for Closed Cooling water system, heat is rejected using air-cooled Fin Fan Cooler.
- Participate in Testing and commissioning for condensate system, Air Cooled Condenser (ACC).
- Participate in Chemical Cleaning for HRSG & Condensate line.
- Participate in Testing and commissioning for Demineralized water system.
- Outline and prepare of Ready Commissioning, Mechanical Completion Certificates.
- Perform equipment tests like solo run test and mechanical load test.
- Manage on-site activities during commissioning, maintenance, troubleshooting and diagnostics on systems and equipment.
- Find out technical problems associated with rotating equipment and mechanical packages/valves are identified and resolved or coordinated with the respective vendor.
- Carry out a detailed assessment of the commissioning work involved and assess the available resources and possible constraints in its execution.
- Hold regular review of risk assessment/meeting with the client on issues such as HSE.
- Be aware of cost monitoring, control expenses, and report overruns to management.
- Ensure that all safety and precautionary requirements and procedures are followed during the commissioning.
- Perform & guide various activities related to rotating equipment like lube oil flushing, alignment, lubrication, vibration checks, start-up, etc.

<b>Dates</b>	:	From Oct. 2016 till Nov. 2017
<b>Employer</b>	:	ELSEWEDY (PSP)
<b>Project</b>	:	BENI SUEF SCC5-8000H (2x1) 4800MW
<b>Job title</b>	:	Mechanical Commissioning Engineer
<b>Job Description</b>	:	<ul style="list-style-type: none"> <li>• Provide equipment and P&amp;ID walk down support, review of the final issue of PID's from point of view of commissioning and start-up, and issuing of PID's modification.</li> <li>• Assess the requirements of special tools / temporary facilities / equipment required for pre-commissioning and commissioning.</li> <li>• Responsible for Testing and commissioning for two Siemens Heavy duty gas turbine (SGT5-8000H) systems (lube oil, seal oil, lifting oil, hydraulic oil, HCO and fuel gas).</li> <li>• Responsible for Testing and commissioning for service and instrument air systems.</li> </ul>

- Participate in Testing and commissioning for Closed Cooling water system, heat is rejected using Service water by plate heat exchanger.
- Responsible for Testing and commissioning for Siemens (SST5-5000H) steam turbine systems (lube oil, seal oil, lifting oil, hydraulic oil, service and instrument air systems).
- Participate in Testing and commissioning for BOP systems (Demineralized water plant, Chemical dosing plant, water intake systems, clarification cycle, air compressor and firefighting system).
- Work as a Field Local Operator for BOP systems:
  - Water intake systems (trash rack & travelling screen and Raw Water pumps).
  - Water clarification plant.
  - Chemical dosing plant.
  - Service water pumps.
  - Raw filling water pumps.
  - Firefighting system.
  - Compressed air systems (service and instrument air).

**Dates** : From Apr. 2016 till Oct. 2016

**Employer** : EL-MASRIA CONSTRUCTION CONTRACTOR (MCC)

**Project** : Beni Suef 4800MW CCPP

**Job title** : Technical Office Engineer

**Job Description** :

- Prepare a schedule plan for the company scope in the project.
- Follow up the project plan according to the site progress.
- Preparing Material Request.
- Handling transportation of material according to site needs.
- Preparing Method of statement for erecting equipment.
- Preparing lifting plan for heavy parts.
- Prepare piping survey.
- Prepare the Test pack for hydro test.
- Calculate the progress for all items.
- Following the updated schedule to prepare required actions.

**Field of experience** :

- Commissioning Engineer with 4 years hands-on experience of pre-commissioning, Cold, hot commissioning, trial run, acceptance testing, inspection / measurements, and operation activities in Combined Cycle & supercritical power plants, water treatment (Clarification, Dosing, and Demi plant) equipment also operation activities for (Siemens Heavy duty Gas turbines, Siemens Steam turbines, GE Steam turbines, MHPS Steam turbines and also HRSG).
- Good work experience in planning scheduling for combined cycle power plants that will allow me to use and improve my technical and soft skills in engineering and research in the field of power and energy that I have gained from various academic studies such as PRIMAVERA P6 course, trainings and work experience.
- Good knowledge with oil and gas sector by taking courses in planning and commissioning of refineries and trainings in oil and gas fields.
- Also good knowledge of PV solar plant components and testing activities for cables and equipment because of working in BENBAN SOLAR PARK.