

Holds B. Sc. and M. Sc. in Electrical Power & Machines Engineering and has over 12 years experience working in operation, commissioning, start-up and maintenance.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 14/07/1989  
Gender : Male  
Marital Status : Married  
Residence : Mansoura

## **EDUCATION**

- : B. Sc. in Electrical Power & Machines Engineering, Mansoura University, 2011
- : M. Sc. in Electrical Machines & Power Engineering, Mansoura University, 2018

## **LANGUAGES**

Arabic : Native Language  
English : Very Good  
German : Basics

## **COMPUTER SKILLS**

- : Windows, MS Office, Internet
- : Devices software i.e. Digi (Siemens protection relays S.W.)
- : E-TAP POWER Systems Simulation program
- : MATLAB/Simulink simulation program
- : AutoCAD

## **TRAINING COURSES AND CERTIFICATIONS**

- : CCPP Operation and Commissioning Training, SIEMENS AG (Germany): SGT5-8000H / SGen5-2000H / SST-5000 HI-L / HRSG NEM Benson 5000KV GIS (2016).
- : Man Machine Interface (SPPA T-3000) training at SIEMENS Simulator in GERMANY.
- : Basic operation of (SIEMENS V94.3A Gas Turbine), training at Talkha 750MW Power Plant.
- : Basic operation of (CMI HRSG and its Auxiliaries), training at Talkha 750MW Power Plant.

- : Basic operation of (ALSTOM Steam Turbine and its Auxiliaries), training at Talkha 750MW Power Plant.
- : Occupational safety and health administration training course at Talkha 750MW Power Plant.
- : Distribution systems protection and maintenance training course (SIEMENS 7SJ6225 – 7SJ6025 – 7SJ8011) at North Delta Distribution Company (NDEDCo.).
- : Firefighting and civil defence basics from Kafr El-Sheikh Police department.
- : Clouds, VMware.
- : Auto-Recloser devices (TAVRIDA) installation and maintenance training course at NDEDCo.
- : Commissioning and testing cables, transformers and MV switchgear distribution panels training course at NDEDCo.
- : Calculating Total Power Demand, Schneider Energy University.
- : Generators Fundamentals course from Schneider Electric Energy University.
- : Efficient motor control with power drives systems course from Schneider Electric Energy University.
- : Distributed generation course from Schneider Electric Energy University.
- : Power factor and harmonics course from Schneider Electric Energy University.
- : Emergency Diesel Generators (Perkins) training from Rolf Janssen GmbH in GERMANY.
- : Team Leadership and Team Work Training course in EGYPT from SIEMENS EG.

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Feb. 2023 till now  
**Employer** : SIEMENS Energy  
**Project** : Cairo  
**Job title** : Field Service – Generators Fact Finder & Commissioning Engineer  
**Job Description** :
 

- Perform fact finding activities for generators, including all electrical tests.
- Execute the Commissioning, De-commissioning and Re-commissioning works for large generators.
- Execute the commissioning activities of the generator’s auxiliaries and function tests.
- Prepare the required daily reports and documentations for the outages.
- Report to the projects managements the progress and plan the required resources.

**Dates** : From Oct. 2021 till Feb. 2023  
**Employer** : SIEMENS Energy  
**Project** : Beni Suef  
**Job title** : Senior Electrical Maintenance Engineer  
**Job Description** :
 

- Performing different types of maintenance: Preventive, corrective and predictive.
- Planning preventive schedule for each equipment depending on manufacturers manuals.
- Following up equipment conditions for statistical site equipment survey.

- Preparing work orders and risk assessment documents as per plant procedures.
- Documentation of works checklists and forms for quality and follow up.
- Delivered superior training and leadership to teams to boost performance and help team members.
- Performed general equipment maintenance and repair to minimize downtime.
- Calibrated machines to maintain required productivity levels and adherence to quality standards.
- Oversaw logistics and inventory management for storeroom.
- Supporting different teams (I&C and Mechanical) in fulfilling their crosslinked works.
- Performed studies on protection systems for enhancing and double-check the system reliability.
- Performed several Power transformed tests for faults and events investigation and root cause analysis.
- Performed different equipment inspection (generators, motors, switchgear and transformers).

<b>Dates</b>	:	From Jan. 2019 till Oct. 2021
<b>Employer</b>	:	SIEMENS Energy
<b>Project</b>	:	Al Burullus 4800MW CCPP
<b>Job title</b>	:	Shift Charge Engineer
<b>Job Description</b>	:	<ul style="list-style-type: none"> <li>• Supporting the O&amp;M team through the power plant operation and maintenance processes.</li> <li>• Leading the shift team in the daily tasks and monitoring tasks progress.</li> <li>• Leading daily team meetings for highlighting and reporting issues.</li> <li>• Supervision of PTW procedures (SAP) and Risk assessment process.</li> <li>• Reporting daily plant status and coordination of fault notifications with maintenance team.</li> <li>• Delivered superior training and leadership to teams to boost performance and help team members achieve performance targets.</li> <li>• Evaluated employee skills and knowledge regularly, training and mentoring individuals with lagging skills.</li> <li>• Prepared shift summary reports for supervisor and communicated regularly on goals and progress.</li> <li>• Monitored employee actions for safety, sanitation and general housekeeping compliance, proactively protecting staff and customers from safety hazards and infection risk.</li> <li>• Enforced company policies and regulations with employees.</li> <li>• Maintained clean and well-organized production areas to avoid violations or unnecessary work delays due to hazards or inefficient layouts.</li> <li>• Created incentive programs and contests to support and award top performers.</li> <li>• Resolved customer complaints and issues and offered thoughtful solutions to maintain customer satisfaction.</li> <li>• Identified team weak points and implemented corrective actions to resolve concerns.</li> <li>• Created successful work schedules for each team member to maintain deadlines and fully staff shifts.</li> <li>• Performed general equipment maintenance and repair to minimize</li> </ul>

downtime.

- Calibrated machines to maintain required productivity levels and adherence to quality standards.
- Oversaw logistics and inventory management for storeroom.
- Monitored employee actions for adherence to safety procedures.

**Dates** : From Jun. 2016 till Jan. 2019  
**Employer** : EEHC  
**Project** : Al-Burullus 4800MW Combined Power Station  
**Job title** : Project Engineer / Shift Charge Engineer  
**Job Description** :

- Supervision of the Mega-Project construction and commissioning processes.
- Management team member.
- Witnessing commissioning and testing tasks and reporting to the management.
- Monitoring sup-contractors progress and punching the disputed items.
- Mastering of PTW procedures and Risk assessment process.
- Liaised with company executives and project managers to acquire resources to move projects forward.
- Recommended organization process improvements to grow throughput figures and reduce unnecessary waste.
- Made recommendations to improve design, construction means, and methods and materials based on field or changing conditions.
- Assessed impact of modification requests for ongoing projects, providing documentation on required changes and expectations.
- Supported leaders throughout decision-making and launch by providing regular compliance reports to drive process improvement and corrective measures.
- Identified and mitigated technical risks within managed projects.
- Provided technical direction of system development methodologies to support improved technical performance.
- Monitored installation of materials and equipment for compliance with drawings and specifications.
- Reviewed progress controls for project quality assurance, health and safety.

**Dates** : From May 2014 till Apr. 2017  
**Employer** : Dar Al Salam Consulting Co.  
**Job title** : Electrical Commissioning Engineer  
**Job Description** :

- Erection, commissioning and consultation works related to electrical utilities, specially the medical utilities such as hospitals and clinics.
- Work experience with Emergency diesel sets and UPS units with different ratings.
- Increased customer satisfaction by resolving power sources issues.
- Worked with medical sector customers to understand needs and provide excellent service.
- Served customers in a friendly, efficient manner following outlined steps of service.
- Quickly learned new skills and applied them to daily tasks, improving efficiency and productivity.

- Identified issues, analyzed information and provided solutions to problems.
- Created plans and communicated deadlines to ensure projects were completed on time.

**Dates** : From Jun. 2013 till May 2016

**Employer** : MDEPC

**Project** : New Talkha Combined Cycle Power Plant 750MW

**Job title** : Control Room Operation Engineer

**Job Description** :

- Operation Engineer for the 750MW CCPP.
- Familiar with Siemens SGT-4000F gas turbines and its operating system Telaperm-XP and SPPA- T3000.
- Familiar with CMI HRSGs and Alstom Steam Turbine and its operating system Ovation.
- Familiar with work permits procedures.
- Thoroughly documented all plant activities in logs and detailed concerns and issues prior to distributing reports to seniors.
- Communicated with system operators to regulate factors such as line voltages and frequencies.
- Supported management decision-making by compiling operational and production data into daily logs.
- Extended life of equipment and maintained consistent performance with regular cleaning, lubrication and basic maintenance.
- Documented daily activities in internal system and submitted timely shift reports.
- Aligned boiler pressure and steam system operations with optimal levels.
- Prevented personnel injuries during plant maintenance by practicing diligent lockout-tagout processes.
- Balanced power production, operating costs and safety concerns through continuous system regulation.
- Tested water and condensate to check safety and compliance with regulations.
- Monitored operations to spot and report on issues for quick resolution.
- Kept plant areas clean and ready for inspections to maintain high audit and compliance scores.
- Observed equipment in operation, system activities and control readouts on continuous basis.

**Dates** : From Oct. 2011 till Jun. 2013

**Employer** : North Delta Electricity Distribution Company

**Job Description** :

- Protection Engineer with various tasks related to electrical commissioning, testing and maintenance.
- New projects (MV distributors, RTUs, RMUs, Protection devices, LV panels, SCADA systems, MV OHTLs) commissioning and testing.
- Technical trainer for the new employees and undergraduate students in universities.
- Performed in-depth electrical acceptance testing of completed hardware, including continuity and high-potential isolation testing.
- Administered both energized and de-energized testing on multi-design change packages.

- Evaluated electrical systems and components by designing and conducting research programs.
- Confirmed system and component capabilities by designing testing methods and testing properties.
- Created standardized manuals for maintenance and operating procedures.
- Identified specific cables, connectors, fuses, circuit breakers and other electrical devices required for installation of monitoring systems and weapons detection systems.
- Inspected completed installations to observe operations and verify conformance to design and equipment specifications.
- Reviewed drawings and technical diagrams of proposed circuits for viability and compliance.
- Mentored junior engineers and new hires to better improve competency and efficiency of all staff.
- Evaluated installed electrical equipment and systems to isolate faults and implement corrective actions.
- Supervised construction and pre-commissioning of electrical rooms, substations and service buildings for projects.
- Used ETAP to calculate current loads and short circuit currents.
- Created electrical schematics using AutoCAD Electrical Toolset.
- Developed engineering documentation such as system requirements and diagnostic procedures.
- Prepared technical documentation for operation, troubleshooting and maintenance of industrial systems.
- Performed analysis to evaluate power needs for various systems, including vital systems/customers.
- Performed maintenance procedures and repairs on existing electrical products and systems.
- Scheduled and undertook periodic maintenance on all electrical installations, components, and equipment.

- Field of experience :**
- Focused Electrical Engineer with expertise in power plants, automation and control.
  - In-depth understanding of control and power-delivery systems.
  - Experienced in developing technical studies, reports and investigations with 12 years background in developing and commissioning new electrical systems and testing various electrical equipment.
  - Professionally interested in generators and electrical protection and proficient in both AC/DC systems.
  - Comfortable handling multiple projects simultaneously with little to no supervision.
  - Leadership experience in different programs and work areas.
  - Skills:
    - Engineering drawings / standards.
    - Power Systems.
    - Wiring schematics.
    - Power Bi & Tableau analysis.
    - SPPA T3000.
    - SPPA M3000 (WebBFS).
    - Daily Workflows.
    - Scheduling & planning.

- Employee training.
- Health and Safety Standards.
- Safety processes and procedures.
- Project planning.
- Leadership.