

Holds a B. Sc. and a Diploma in Electrical Power Engineering and has about 19 years hands-on experience working in operation, commissioning, start-up and protection.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 22/07/1970
Gender : Male
Marital Status : Married
Residence : Alexandria

EDUCATION

: B. Sc. in Electrical Engineering, Menoufia University, 1997
: Diploma in Electrical Power Engineering, Alexandria University, 2004

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

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

TRAINING COURSES AND CERTIFICATIONS

: Six sigma planning course.
: Technical training program of 500KV CB at Kokubu factory of Japan AE Power Systems Corporation.
: System analysis maintain code elements and over view (EMPAC).
: Generator and transformer protection at Abu Qir Plant Training Center.
: Operation of steam power plant at Abu Qir Plant Training Center.
: Mitsubishi Electric Corporation Energy Center (2006):

- Generator protection and control system.
- Generator protection relay setting (BECKWITH).
- Oscillograph analysis and communication software operation.
- Automatic synchronizer system.

: Bechtel university courses.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Aug. 2016 till now
Employer : Electro Tharwat Company
Projects : El Shabab Ismailia Project and West Damietta Project (CP-105 AC Boilers)
Job title : Project Manager
- Dates** : From Aug. 2015 till Jul. 2016
Employer : Egyptian Germany Electrical Manufacturing Company (EGEMAC)
Project : South Helwan Project
Job title : Project Manager & Senior Consulting
- Dates** : From Feb. 2015 till Jul. 2015
Employer : Five Builders Company for Construction
Project : Attaqa Power Plant (Fast Track Project, Four Gas Turbines 172MW, Siemens Company and PSP main contractor)
Job title : Site Manager
- Dates** : From Jul. 2012 till Jan. 2015
Employer : PGESCO
Project : El-Ain El-Sokhna Plant
Job title : Lead Start-up/Commissioning Electrical Engineer
- Dates** : From Oct. 2010 till Jul. 2012
Employer : PGESCO
Project : Abu Qir Plant
Job title : Senior Start-up/Commissioning Electrical Engineer
- Dates** : From Nov. 2006 till Oct. 2010
Employer : PGESCO
Project : El-Kureimat Plant
Job title : Lead Start-up/Commissioning Electrical Engineer
- Dates** : From Feb. 2005 till Nov. 2006
Employer : PGESCO
Project : Nubaria Plant
Job title : Start-up/Commissioning Electrical Engineer
- Dates** : From 1999 till Feb. 2005
Employer : West Delta Electricity Production Co. (WDEPC)
Project : Siouf Power Plant
Job title : Operation Shift Charge Engineer

- Field of experience :**
- **Safety:**
 - Encourage plant wide safety through example and adherence to safety program, codes and standards to achieve Zero accident philosophy and goals.
 - Initiate personal discussion with the on-site personal concerning proper safety awareness and adherence.
 - Participate in safety walk down and generate the report with safety violations and follow up the execution of corrective action required with safety manager.
 - Review the work permit and LOTO procedure for construction and commissioning site activity.
 - Review the safety precautions to be taken place for pressurized and energized systems activity.
 - Participate in and direct the daily toolbox and pre task meeting to follow up and confirm that each group are aware with the task hazards and safety precaution to be taken place to achieve the assigned task safely
 - Generate the safety reports and records (near miss report. NCR & accidents report) for the safety violations related to site activity.
 - **Project Manager:**
 - Establish and review of the contractual documents such as contract and contract amendment.
 - Supervise the issuance of key project documents such as layout. SLD and P&IDs etc.
 - Ensure project documents are complete and properly maintained and submitted.
 - Managing and controlling of the vendors, sub-contractors in adhere to codes and standards.
 - Define project scope, goals and deliverables that support business goals in collaboration with site managers.
 - Preparation of progress report, invoices, claims and variation order.
 - Preparation of time schedules (Master and detailed) based on project WBS and identify the project milestone.
 - Perform budget cost analysis and maintain the project budget through controlling the working hours and improving man hour productivity.
 - Track project against its schedule, budget and reporting status to management and customer on a regular basis.
 - Minimize exposure and hazards on project.
 - Identify resources needed and assign individual responsibility.
 - Assigning the work to project team in accordance to work needed and company policy.
 - Handling procurement activity (purchasing and shipping) includes issuance of PO and following up till goods are properly received.
 - Contractor authorized and key person representative in project close out meeting.
 - Negotiate with Owner for the purpose of closing out current outstanding issues between the contractor and Owner as a package deal and is offered by the parties to reach a solution to the outstanding issues.
 - Establish and prepare the warranty procedure and statement in adhere to contract and contractor scope of work.

- Establish and prepare the maintenance contract statement.
- Review the contract and manage contractor team to fulfill the contractor scope in adherence to contract.
- Manage the contractor duties from the date of execution of the contract.
- Direct the project team at engineering phase, procurement phase, fabrication, installation, testing and commissioning phase.
- Establish the project scope of work, project time schedule in adherence to project schedule.
- Manage the negotiation with suppliers to get the rock bottom price for material, equipment and devices to minimize the cost in adhere to project budget.
- Follow the subcontractor manufacturing process and QA/QC plane and supervision plane to confirm the deliverable on time and in compliance with Spec., codes and standards.
- Establish the project progressive curves for all project phases, material tracking report and issuance of project Monthly Progress Report.
- Generate the documents and forms related to discrepancies from contract Spec., codes and standards (change notice, CDDR, FCN, FCR,etc.).
- Manage projects from support / lead during the bid phase through planning, execution, and closure.
- Adhere to budget, schedule, and scope.
- Provide reports to head management.
- Assess the contractual requirements and work with the functional departments to translate these requirements into the appropriate internal requirement documents.
- Monitor progress of the functional departments, manage deviations from the plan and escalate when warranted.
- Communicate with the customer and manage customer expectations.
- Participate in vendor selection for major subsystems as needed.
- Participate in design reviews with Engineering and the customer.
- Participate in first inspections with the functional departments and the customer.
- Assist in updating the project schedule.
- Site Manager:
 - Manage the site construction activity for the subcontractor (Five Builders Construction Company) at Attaqa Power Plant 650MW Fast Track Project, El-Seweedy PSP main contractor, Siemens.
 - Manage and supervise the construction activity for Siemens Gas Turbine 172MW up to turn over to the main contractor El-Seweedy PSP and Owner.
 - Participate in coordination meeting with all contractors and follow up the site activity to achieve the completion date for each system.
 - Prepare the plane and schedule for manpower, materials and tools required to achieve the target date for systems.
 - Prepare the evaluation for systems construction completion and evaluate the % progress for each system to submit the contractor invoice required.
 - Manage the internal daily meeting and coordinate with each department the site activity as per project priority and schedule.

- Manage and supervise all the site activity in adherence with safety codes and standards.
- Manage the coordination to work 24 hours to achieve project milestones.
- Work extended hours as per site activity requirement to achieve the project schedule.
- Supervise and follow up site construction activity in adherence with Spec, codes and standards.
- Manage the coordination to achieve the assigned task on time with minimum and optimum requirement of manpower, materials and tools.
- Keeping a good relationship with all contractors on site and cooperate with all contractors by making the internal deals to interchange the resources required to achieve the project plane and schedule.
- Prepare the organization chart and confirm that each department scope of work is specific and clear to each department.
- Installation, Testing, Commissioning and Start-up Group Leader:
 - Supervise and participate for all activities related to construction, pre-commissioning and commissioning tests for all electrical equipment's in combined cycle power plants, steam power plants and super critical power plants.
 - Demonstrate leadership by coordinate the work activity between multi contractors.
 - Making start-up field sketches for all single line and P&ID diagrams relating to systems.
 - Monitoring and control quality work to fix any discrepancy to achieve completion date for systems.
 - Review site test procedures, protection relays setting, pre-synchronization and synchronization procedures and systems (TOP & ITP) and issue comments and propose the required/modifications to meet site requirements and adherence with Spec., codes and standards.
 - Review the contractors design drawings and identify the discrepancies that required modifications to meet the requirements.
 - Coordinate with construction, operation, contractors and owner to achieve reliable operation of the plant up to turnover to owner.
 - Supervision and control the power transformers assembly and test activity (vacuum test, oil circulation and oil filling, oil leakage, insulation resistance test, winding resistance, turns ratio, tan delta....etc.).
 - Supervision Installation, Testing, Commissioning, Start-up and Troubleshooting the electrical and mechanical systems include but not limited to the following: Lubrication oil system, Service water system, closed cooling system, Circulating water system, Service air and instrument air systems.
 - Flushing and hydro test of systems.
 - Chemical cleaning and steam blow of boilers and HRSG systems:
 - Protection of generator and excitation systems of SIEMENS, GE frame 9FA (250MW), Mitsubishi and Hitachi STG.
 - Excitation systems (static and rotating diodes) EX2100, LCI (LS2100) & SFC.
 - Protection systems for generators, transformers, GIS and

GCBs.

- Power transformers (500/220, 16.5/500, 16.5/6.3,21/500, 66/6.3,21/6.3 & 6.3/0.4KV).
- SF6 circuit breakers (500, 220, 21, 16.5 & 6.3KV).
- Check condition of equipment quality of installation and compliance with design drawing, Spec., Codes & standards.
- Perform pre commissioning tests with equipment de energized like insulation resistance test, dielectric strength test, loop and circuit continuity test, Hi-Pot test, partial discharge test, Loop check, cold function test and interface and interlock test.
- Energize and test control power system and perform all function test including (Adjustment and testing protective relays and instruments).
- GIS (500, 220KV) GIB, IPB, high voltage cables, CBs, VTs, CTs, CCVTs, wave traps, surge arrestors'. GIS SF6 filling, CBs, ES & DS timing test, contact resistance, operation tests and interface and interlock tests.
- Medium and low voltage cables, switchgears and motors.
- Load centers (LC) and motor control centers (MCCs).
- DC and UPS distribution systems, batteries, battery chargers, inverters, and ground grid.
- Low & medium voltage motors (Solo test and Heat run test).