

Holds a B. Sc. and a Diploma in Electrical Power Engineering and has about 16 years hands-on experience in operation, commissioning, start-up and protection.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 22/07/1979
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 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 : WDEPC
Project : Siouf Power Plant
Job title : Operation Shift Charge Engineer

Field of experience :

- Encourage plant wide safety through example and adherence to safety program, codes and standers to achieve Zero accident philosophy and goals.
- Initiate personal discussion with the on-site personal concerning proper safety awareness and adherence.
- 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 Installation, Testing, Commissioning, Start-up and Troubleshooting the electrical systems, include but not limited to the following:
 - Protection of generator and excitation systems of SIEMENS, GE frame 9FA (250MW), Mitsubishi and Hitachi STG.
 - Excitation systems (static and rotating didoes) EX2100, LCI (LS2100) & SFC.
 - Protection systems for generators, transformers, GIS and CBs (Beckwith M3425, M3310 & M4272-GE Multilin-ener vista 570, 469, XFMR T60, T35 & GIS UR (AR, BF, D60, D90, B90 & GIB DIFF)).
 - 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 project 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'.
 - 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.
- 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, El Hashemya (HCC), EL Masriya(MCC) and all other contractors.
- Manage and supervise the construction activity for Siemens Gas Turbine 165MW up to turn over to the main contractor El Seweedy PSP.
- Participate in main contractor El Seweedy (PSP) coordination meeting with all contractors and follow up the site activity to achieve the completion date for each system.
- Prepare the plan 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 contractor 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.
- Participate in contractor 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.
- Manage the contractor internal 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 contractor internal 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 contractor organization chart and confirm that each department scope of work is specific and clear to each department.
- Prepare all start-up & commissioning general documents and schedule for all systems referring to project base line.
- Prepare all start-up & commissioning requirements for mechanical, instruments and electrical for all system.
- Follow all activities including plan and schedule with Organization for maintenance after construction completion and prepare for start-up and commissioning.
- Direct construction-engineering activities of the assigned construction engineering staff.
- Coordinate with the Manufacture T.A Or Superintendents to plan construction schedules and resolve coordination issues.
- Direct the preparation of requisitions for field procured materials, material substitutions, services and equipment.
- Review material receiving reports and warehousing to assure delivery of correct materials.
- Coordinate other activities of plant to ensure materials, equipment and workmanship comply with design plans and specifications and schedule.
- Plan and recommend procedures to be implemented by Supervisors to assure construction operations are within requirements of engineering design and specifications.
- Work with the start-up Staff for preparation as per plan.
- Direct preparation of cost estimates for construction activities and coordinate the preparation of cost reports, forecast and progress reports.
- Implement control over variables affecting job progress to ensure engineering and procurement provide timely delivery of drawings, materials and equipment and that other corporate services are fully utilized.
- Perform personnel evaluation for subordinate personnel.
- Ensure that subordinate personnel receive progressive training.
- Update and maintain the onsite construction procedures.

- Work with the Project Field Engineer to insure that all quality issues are handled in a rapid manner.
- Manage for the organization and direction of start-up & commissioning, and activities relating to commissioning.
- Supervise all field verification and quality of materials.
- Provide technical direction to construction engineers in a wide range of construction engineering and design functions relating to multi-discipline engineering in an area or to a single discipline on the overall project.
- Will conduct on-site training as required to ensure all team members are aware of jobsite procedures.
- Resolve all deficiencies on design and start-up troubles to complete system as per contract specification.