

Holds a B. Sc. in Mechanical Power Engineering and has about 27 years hand-on experience in power stations project management from studying, construction phase up to operation & maintenance phase.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 27/04/1958

EDUCATION

: B. Sc. in Mechanical Power Engineering, Mansoura University, 1981

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel), Internet
: MS Visio
: AutoCAD

TRAINING COURSES AND CERTIFICATIONS

- : Overseas BECHTEL Incorporation Basic and Site Specifics Training Course (6 months), constituting a program of concentrate study of power plant equipments and system theory and application at Shoubra El-Kheima Power Station.
- : Westinghouse Electric Corporation Steam Turbine Generator Course for Shoubrah El-Kheima Generation Station in Cairo.
- : Training program in Power Operation, Maintenance and Management at Salt River Project Coronado Generation Station 2x400MW in Phoenix, Arizona, USA.
- : KAWASAKI Gas Turbine Training in Osaka, JAPAN: Business development, feasibility study, technical issue (engineering construction, commissioning and start up of KAWASAKI gas turbine).
- : A special on-shore training course for 220KV switchyard at Sidi Krir high voltage GIS equipment, protection relays, high voltage cables, PLC equipment.
- : Fault & event recorder, low voltage AC/DC distribution operation, safety rules and commissioning practice in Sidi Krir substation Alexandria, Egypt by GROUP SCHNEIDER.

- : GROUP SCHNEIDER S21 – distance protection in Sidi Krir.
- : CHLORIDE INDUSTRIAL SYSTEM Factory Training covered the following points: Technical characteristic, function description, maintenance, repair and commissioning instructions for chloride UPS (excel plus, Expound).
- : Sidi Krir Site Training, Elsag Bailey process automation for INFI 90, DCS.
- : Sidi Krir Site Training, Elsag process automation for operation & control on OLS 40 series consoles.
- : Special offshore training in Frankfurt, Germany by Siemens, 3-stage turbo generator protection, operation, maintenance and commissioning.
- : Babcock & Wilcox (Elpaso) on-shore training course for Sidi Krir steam boiler, protection operation, maintenance, commissioning and logic diagram.
- : Time Management Skill.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jun. 2008 till now
- Employer** : CONSUKORRA
- Project** : Energy Systems Business Unit (CSK-ESBU)
- Job title** : Technical Manager
- Job Description** :
- Project Evaluation.
 - Project Development.
 - Owner's Engineering.
 - Alternative Technology Assessments.
 - Condition Assessments.
 - Value Engineering Studies.
 - Preliminary Engineering.
 - Conceptual Design.
 - Project Capital Cost Estimates.
 - Economic Analyses.
 - Risk Management and Contingency Analyses.
 - Project Management Reviews.
 - Contract Analysis.
 - Environmental Review.
 - Solid experience with power plant, steam, combined cycle and cogeneration projects equipment, including design, installation, commissioning, start-up and operational troubleshooting.
 - Experience transfer in design, construction and start-up of steam, combined cycle plants and cogeneration inside CSK-ESBU.
 - Power plant Projects, improvement, efficiencies monitor and maintain in compliance with environmental safety and international quality standards.
 - Coordination of the acceptance process from the project design concept engineering, construction and commissioning and EPC contracts. Includes the identification of design, construction and commissioning deficiencies and facilitating their correction.
- Dates** : From Sep. 2001 till Jun. 2008
- Employer** : EDF (ELECTRICITE de FRANCE)

- Project** : IPP Suez Gulf Power Plant (681.5MW Steam Power Plant Gas Turbine desalination 2 units), El-Sokhna, Suez, Egypt
- Job title** : Deputy Plant Manager
- Job Description** :
- Responsible for evaluating the adequacy and effectiveness of processes, procedures and budget controls to ensure that the O&M group is performing businesses planning, measurements and implementation activities in compliance with the company policies and in a manner consistent with approved budget business.
 - During Project Construction, Start-up and Commissioning period:
 - Represents the owner (EDF) at the constructions and equipment erection phase main steam turbines and black start gas turbine, boilers and desalination units (mechanical, electrical and instrument control equipments).
 - Following up the construction progress program, the non conformance construction activities, proposed owner corrective action plan.
 - Owner representative at construction, start up, operation committee with EEEEC - EDF (Egyptians Engineering Company) the main consultant and construction contractor (EPC contractor).
 - During Commercial Operation Period:
 - Support recruitment of the O&M staff for operation and maintenances, ensure that the technical risks are managed in accordance with good operating practice.
 - Investigate possible area of improvement or modification for enhancing the plant performance.
 - Prepare the preliminary reports on the operability review of the design, construction and capability for operation of the plant and submit useful recommendations which can be easily implemented.
 - Prepare the operating procedures for the management of the interface with EEHC (client-Off taker) according to PPA Power Purchase Agreement and the Company O&M Organizations and Policies.
 - To supervise the power plant operations, assuring the safe and reliable power plant availability, ensure the power plant is operated to maximize the income from the PPA.
 - Check and ensure the technical interface between the operation and maintenance departments and report to the Plant Manager significant issues concerned or impact the operation of the Power Plant.
 - Ensure the power plant is operated to minimize the operating costs, comply with maintaining the plant integrity and risk profile.
 - Ensure the achievement of key performance targets as set out in budgets or forecasts with due consideration of commercial implications.
 - To agree with maintenance function on the maintenance plan CMMS, approve the outage schedule and supervise their preparation before the plant shutdown.
 - Assist the Plant Manager in the day-to-day management of the power plant.
 - Evaluate the subcontractor's proposal and offers, monitor and evaluate the subcontractor's job duties and performance.
 - Facilitate the relationship of the Plant Manager with the Egyptian entities or industrial neighbors dealing with technical matters on site.

- Replace the Plant Manager during his absence.
- Prepare analyze on the operation and maintenance budget with a specific follow up of the items over the expected budget and as well as the consumable items.
- Chairs the committees, Technical Safety, commercial Committees, etc.
- Lead Auditor Quality ISO9001, Environments ISO 14001 and Safety OSAS 18001, IRCA certificates registered.
- Draw the policies for continues improvements in the technical fields, Quality, Safety Environments and the MW coasts.
- In charge of the implementation and follows up of the Technical plan, Environment Action Plan and the Health and Safety Plan.
- Monitor the quality of the Organization and security matters, issues recommendations and reports for the Plant Manager.
- Prepaid the daily, weekly, monthly and annual various reports to be approved by the Plant Manager to submitted to the Owner, lenders, insurance or other legal identities.
- Be entrusted other specific missions by the Plant Manager.

Dates	:	From Feb. 1997 till Sep. 2001
Employer	:	EEHC (Egyptian Electricity Holding Company)
Project	:	Sidi Krir Power Plant, U1&2, 650MW Capacity 2 MFS Desalination units 5000 cu M/D
Job title	:	Operation Manager
Job Description	:	<ul style="list-style-type: none"> • Monitoring measuring and verified implementation of contracts specification and requirement (22 packages, contractors and main suppliers), co-ordinate all site commissioning activity between EEHC Owner and the contractors through PGESCO Project Consultant. • Recruitment of the operation department staff. • Organization and supervision the training of the employees in the department according to the training program established in the O&M mobilization plan. • Verified, reviewed and comments all commissioning and start up procedures and activities. • Organization, supervision and comments the writing of operation procedures, alarm sheets, etc. • Co-ordination of the equipment or systems transfers from the contractors (construction phase) to EEHC Owner commissioning and commercial operation phase and the preparation of team with verification of the compliance with the safety rules. • Participation in the implementation of the CMMS. • During the Commercial Operational period: <ul style="list-style-type: none"> - In charge of the organization and management of the operation. Ensures that the plant is operated in a safe and reliable manner, the dispatch program is respected and the operating heat rate is optimized. - Check and ensure that the operating procedures and instructions comply with international standards and best practices in power generation. - Optimization of the plant operation organization and unit efficiency for the lowest production costs actively pursues cost reduction through better operational procedures.

- Operational interface with the EETC dispatch, in particular ensures the quality and accuracy of information exchanged with the EETC dispatch and control centers takes into account dispatching priorities, and operator needs.
- Overall management of the operating conditions of the plant and its equipment.
- Development of internal training programs to allow employees to develop and maintain skill level needed to meet or exceed performance expectations, including crafts, safety, and environmental training.
- Acting as a team leader or member of process improvement teams to support business goals.
- Supervising the good operation of the chemistry laboratory and the respect of the chemical specifications.
- Ensuring the respect of the safety regulations by the employees of the department or any personnel working under operation responsibility.

Dates	:	From Feb. 1990 till Feb. 1997
Employer	:	General Electric Libyan Company (GELC)
Project	:	Misrata Power and Desalination Plant (MPDP), Libya: 6 units 84MW each, Fuji turbine generator, NEL steam generator, 3 MFS evaporator 60000 cu M/D water production
Job title	:	O&M Plant Manager Advisor
Job Description	:	<ul style="list-style-type: none"> • Represent the owner of the MPDP for the 6 generating units and the desalination take over activities to the Libyan General Electrical Company, including equipment erection and construction, commissioning and commercial operation phases. • Following up all the commissioning activities regarding the Turbo Generator, Boiler and all the power plant auxiliaries including black start gas turbine. • Verified the clearing of the punish list of all the contractors solving all the suspended items according the contracts items specification. • Verified that all the contractors applied the contract specification for all the equipments. • Verified that all the O&M manuals and procedures are adequate to operate and maintenance of the power plant and the desalination units. • Activate an action plan for drafting of maintenance procedures and work instruction according to the maintenance plans and manufactures instruction. • Manage the day to day maintenance and operation activates. • Manage the technical transfer and equipments and systems O&M turn over from Egyptian Supporting team to the owner employees. • Involvement in the implementation and establish the CMMS for the power plant. • Arrange and organize the training for the owner staff to be ready to operate and maintain the power plant according the equipments suppliers O&M description. • Act as a technical support for the owner regarding the operation or maintenance technical problems. • Leading and following the set up the workshop muscularly equipments, tools and others staff.

- Organizing the review of the list of the recommended spare parts and minimum level in the warehouse, checking the adequacy of existed consumable or strategies spare parts issuing recommendations to the owner.

Dates : From Nov. 1984 till Feb. 1990

Employer : EEHC (Egyptian Electricity Holding Company)

Project : Cairo Electricity Generation Company, Shoubrah El-Kheima: 4 Units
315MW steam turbine (1300MW) Westinghouse Turbo Generator

Job title : Shift Charge Engineer

Job Description :

- Responsible for the safety and performance of the electrical power generating equipment and personnel resources.
- Supervision of operation plant and stuff in main plant control room and local operation team.
- Respect of the dispatcher demands concerning the load.
- Optimization of production means.
- The interface with maintenance field.
- Inspection intervening on the equipment.
- The operation activities related to the equipment start-up, shut down, tests or commissioning.
- Writing the incident reports and major events reports if needed.
- The statement and verification of the necessary data for the following-up of the production indicators.
- Writing operation procedures, alarm sheets, periodic tests, etc. mainly during the pre-commissioning and commissioning period, regarding the elementary systems distribution in each team already defined.
- Following the training program of the staff, organize the training in the shift team with the lowest level of replacement as possible.
- Train the shift team as needed for initial training, maintenance of skills and improvement of Shift team awareness.
- Controlling energize and de-energize of a high voltage 220KV transmission lined.
- Make regular and rounds, monitor equipment and systems operation and to take the decisions and performs the operations necessary for emergency removal of equipment or unit from service in case of emergency or risky.
- Insure the equipments safety for maintenance in according with station clearance tagging out locking out procedure.