

Holds B. Sc., Diploma, M. Sc. and PhD in Mechanical Power Engineering. Has about 23 years' experience in operation, construction, commissioning, project management, contract management and tender's preparation.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 08/10/1978
Gender : Male
Marital Status : Married
Residence : Nasr City, Cairo

EDUCATION

- : B. Sc. in Mechanical Power Engineering, Minia University, 2000
- : Post graduate Diploma in Mechanical Power Engineering (Power Stations), Mansoura University, 2003
- : M. Sc. in Mechanical Power Engineering, Mansoura University, 2010
- : Doctorate of Business Administration (DBA) (General Management), Westbrook University – USA, 2015
- : PhD in Mechanical Power Engineering, Minia University, 2022

LANGUAGES

Arabic : Native Language
English : Fluent

COMPUTER SKILLS

- : Windows, MS Office (Word, Excel, Power Point), Internet
- : MS Project
- : AutoCAD (2D, 3D)

TRAINING COURSES AND CERTIFICATIONS

- : RCA (ROOT CAUSE ANALYSIS) Leader, Apollo Method (Aug. 2014).
- : Lean Six Sigma (Green belt certification) 508651-589013-105052132, General Electric (Jul. 2014).
- : Service Manager Curriculum, General Electric (Sep. 2013).
- : Coaching skills, GE (May 2013).
- : 34 Management courses of Harvard University, General Electric (Feb. 2012).

- : Global Mindset Certification, General Electric (Mar. 2012).
- : Leadership program for initiating the controvile courses, GE (Nov. 2011) as following:
 - Knowing when to take leadership risks.
 - Leadership and management simulation.
 - Leadership Essentials: Creating Your Own Leadership Development Plan.
 - Leadership Essentials: Leading Business Execution.
 - Leadership Essentials: Communicating Vision.
 - Leadership Essentials: Motivating Employees.
 - Leadership Essentials: Leading Innovation.
 - FOL program (Foundation of leadership), Hyderabad, India (5 days off-site).
 - Harvard management business administration program (34 course / 87 hr.).
 - Global mindset certification in term of globalization and external focusing.
 - Online program/courses related to the engineering & risk, contract and finance acumen for the contract performance management (70 course / 276 hr.).
- : GE My-Learning Program (Learning Management System) 34 Basic EHS online courses (2010).
- : GE My-Learning Program (Engineering technical, CPM) 147 Basic online courses (2010-2011).
- : GE Energy Power Station Orientation (Sabiya Power Station, Kuwait) - LOTO training (2011).
- : GE Energy Power Station (Sabiya Power Station, Kuwait) - SAP certified (2011).
- : GE Energy Power Station (Sabiya Power Station, Kuwait) - RWA certified (2011).
- : GE Energy – General Electric Inc - Energy Technical training - GE Machines Gas Turbines Operations (2011).
- : GE Energy – General Electric Inc - Energy Technical training - GE Machines Mark VIe and DCS Maintenance (2011).
- : GE Energy – General Electric Inc - Energy Technical training - GE - Excitation, Gen Protection (2011).
- : Attended following GE Energy – Energy services trainings, online training courses:
 - Gensuite power tool.
 - Making the Business Case (presentation skills).
 - Audit Skills.
 - RCA (Root Cause Analysis).
 - Initial Lean Six sigma (implementation of lean Six Sigma in customer satisfaction process).
- : ABB University Switzerland - Gas insulating switchgear ABB type ELK 3/420 (2011).
- : Hyundai Heavy Industrial Co. LTD-HHI – Balance of plant equipment's (2011).
- : ORAP DeWebex – Strategic Power Systems (SPS) – Monitoring RAM for the GE machines (2011).
- : MHI training, Mitsubishi Machines – Installation (2010).

- : Alstom training, Operation and Maintenance (2009-2010).
- : NEM training, Boiler manufacturing inspection (2008).
- : ASME - Critical piping material (2007-2008).
- : OJT completed for DEWA program, Jabl Ali power complex, Dubai, U.A.E. (2006).
- : Toshiba training, EDF, Egypt (2004).
- : SLB Field service specialist training, Egypt (2004).
- : FCS – Fossil consultant services, O&M, U.S.A. (2000-2001).
- : Fossil consultants services (FCS) in El-Kureimat Thermal Power Plant 2x650MW (1 month in 2000).
- : Training at Talkha Power Plant (3 months in 1999).
- : Training at Nile for oil and soap, Minia (2 months in 1998).
- : Gas insulation system training by Alstom Power Company.
- : Centrifugal pumps training by IDP Italian Group.
- : Steam turbine training by GE staff.
- : Gas turbine training by GE staff.
- : Steam turbine training by TOSHIBA staff.
- : Gas insulation system & transformers by MITSUBISHI staff.
- : Switchgear training by SIEMENS staff, SCHNEIDER staff.
- : MSF Desalination by FISHIA staff.
- : Some seminars and presentations related to steam Boilers, HRSG, Steam turbines, Gas turbines, Pumps and GIS.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Aug. 2019 till now
- Employer** : Madkour Group for Industrial and Development Projects
- Job title** : Projects Director
- Job Description** :
- Working in this role to lead one of the high profile CCGT projects in Egypt to transfer and upgrade 4x125MW – GE gas turbines machines - Frame 9E from Kafr El-Bateikh Power Plant to Al-Arish Power Plant and transfer it from simple cycle to combined cycle adding one steam turbine D11 type between 250 to 300MW (Total Order Intake EGP 250 MM).
 - Working in this role to lead the biggest major fast track national project in the field of agriculture reclamation (Toshka and New Delta - Extendable) and in a major step towards achieving self-sufficiency in wheat awarded to Madkour Group EGP 15.7 Billion to execute the Mechanical Pumping stations, Lifting Stations and Electrical main substations scope (Total Order Intake EGP 22.4 Billion Extended Multi Phases).

- Dates** : From Apr. 2019 till Jul. 2019
- Employer** : ENARA - RES (Renewable Energy Services)
- Enara Res is a renewable energy services platform that provides project developers and contractors an opportunity of access to a wide, complex network of service providers encompassing outsourcing, project management and operations & maintenance services. With a highly experienced team on ground both in Cairo and Aswan, the platform is dedicated to providing cost-competitive, high turnaround and strictly

- international standards compliant services.
- Job titles** : Projects Director
- Job Description** :
 - Working in this role to lead the Project management Department in the following Location & Entity: Benban Photovoltaic PV Project 160MW under ENARA Energy and RES for Solar Renewable Energy.
 - Overall responsibility for cost, schedule, safety, quality, risk management, engineering, construction and start-up of the installation equipment's (Total Order Intake EGP 138 MM).
- Dates** : From Apr. 2018 till Mar. 2019
- Employer** : Hill International for Construction & Project Management
- Job title** : Customer Service Expert
- Job Description** :
 - Working in this role under TA (Technical Advisors) Department under Hill Int. in the following Location & Entity: EGAS (Egyptian Gas Holding Company) in the Grant Project with AFD (France Development Agency).
 - Leading the Project Management and Customer Service scope and own the customer issues to set a clear mission and deploy strategies and focused towards the customer service tools in the Egyptian Natural Gas Connection Project for the Non-able households which is funded by the European Union, AFD and World (Total Order Intake EGP 289 MM).
- Dates** : From Jul. 2016 till Aug. 2017
- Employer** : Mitsubishi Hitachi Power System Europe - Egypt front office (MHPSE)
- Job titles** : Program Manager / Projects Director
- Job Description** :
 - Working in this role as a Projects Director to lead the following in Egypt:
 - Cairo North Power Plant Phase 1 CCGT (750MW) under MHPSE (Mitsubishi Hitachi Power System Europe) and rehabilitation to modify the control system and hardware's from 8k to 32k.
 - Sidi Krir CCGT 750MW under MHPSE to modify the compressor section of gas turbines and erect the new pedestals for turbines to transfer the combustion hardware's from 8K to 32K.
 - EL-ATF CCGT 750MW under MHPSE to upgrade the turbine sections from Non-Coated to coated type and modify the control system to the updated one - Netmation 11.
 - Main Duty: Leading the Mitsubishi Hitachi Turbines in Cairo North Power Plant Upgrade with the client from beginning till contract signature; Negotiating and contract closure as a facilitator and Contract coordinator with a win-win situation to reduce the cost against the client by 30% that aligned with profit margin of MHPS as a main contractor in Japan; also leading the planned outages of MHPSE fleet in Cairo North Phase 1 Power Plant (Total Order Intake \$189 MM).
- Dates** : From Sep. 2010 till Jun. 2016
- Employer** : GE & Granite – GSII affiliate to GE
- Job titles** : Senior Project & Customer Service Manager / Plant Engineer & Deputy Plant Manager
- Job Description** :
 - Working in this role with GE for almost 6 years starting from Project Manager till Senior Project Manager in Kuwait, KSA and Egypt in the following projects:
 - SABIYA CCGT in Kuwait (3000MW) (General Electric Frame 9 F

machines and D22 steam turbines; to deliver 255 from total generated electricity at this time in Kuwait.

- ARAMCO General Electric Fleet in KSA for after sales services and Upgrades under GE - PGS (Power Generation Services) for CCGT in Shaybah and preparation for QATIF and Hawayh.
- PP11 CCGT Project 2000MW phase 1 with gas turbine 7F and D22 frames of gas and steam turbines.
- West Assiut and West Damietta in EGYPT CCGT project fast Track Project in Egypt 1500MW with 9E and D11 frames of GE machines.
- Main Duty: Overall responsibility for cost, schedule, safety, quality, risk management, engineering, construction and startup of the Power Plant and GE fleet; also, accountable to lead a cost saving 42% in the planned outages services for GE turbines and its upgrades; also slashed cost 37% through contract negotiation and realigned scope with the client needs and perception that in line with the Engineering aspects and safety procedures. (Total Order intake for Saudi at Aramco fleet CPA contract is Saudi Riyal 2.5 Billions).

Dates : From Nov. 2006 till Aug. 2010
Employer : PGESCo.
Projects :

- Cairo West Thermal Power Plant (2x350MW)
- Ultra-Supercritical Project at El Ain El Sokhna 2x600MW
- El-Tebbin Thermal Power Plant (2x350MW)
- Cairo North II Power Plant Combined Cycle (750MW)

Job titles : Technical & Senior Project Engineer
Job Description : Leading a cost reduction 35% in the aspects of Engineering design and packaging systems following by the implementing and supervising the contractors at site to make sure the TOAC (turn over accepted certificate) process is done from flange to flange (From contract signature till the plant hand over).

Dates : From Apr. 2005 till Oct. 2006
Employer : DEWA (DUBAI ELEC. and WATER AUTHORITY) – UAE
Project : E-station and L-station in the field of power generation and water production, Jabl Ali, Dubai, U.A.E.
E-station which consists from 5 gas turbine each one with capacity 90MW and 1 back pressure steam turbine with capacity 60MW and 1 steam turbine with capacity 110MW and 3 waste heat boilers and 2 heat recovery steam generators and 4 desalination units from the type multi flashing evaporators (FISIA-Co.) which product totally 24 million gallon per day at top brine temperature 105 degree centigrade, then working in the new plant (L-station) with capacity 2850MW COMBINED CYCLE (3 GAS TURBINES FROM GE-9FA+DLN 2.6 and 3 SIEMENS GT machine) and 10 multi-flashing evaporators (desalinations units-FISIA, CO) with capacity totalized 140 million imperial gallon per day.
Job titles : Senior O&M Operation & Commissioning Specialist
Job Description : Responsible and Accountable of the Commissioning philosophy, schedule and procedures during project Detailed Design phase including commission and start-up all systems, completing the commissioning work-scope in a logical and controlled sequence and to the project specifications.

Dates : From Sep. 2004 till Mar. 2005
Employer : SCHLUMBERGER Ltd for Oil & Gas
Project : Tarh Albahr Project at Port Said under Schlumberger - Global Oilfield Services & Equipment's
Job title : Field Service Oil & Gas Specialist
Job Description : Slashed Services costs 30% by supporting the client locate, evaluate, and produce oil and gas reservoirs in a cost effectively and efficient way, while ensuring the continuation and enhancements of services.

Dates : From Sep. 2000 till Sep. 2004
Employer : EDF & EEHC
Job title : O&M Operation Specialist
Job Description :

- Working in many Various Roles during this period under tent of Operation Department; starting from Field Operation Engineer moving to a Control Room Operation Engineer and ended by an Assistant Shift Team Leader in the following Facilities & Entities:
 - El-Kureimat Thermal Power Plant (2x687MW) under EEHC (Egyptian Electricity Holding Company).
 - El-Kureimat Thermal Power Plant (2x687MW) under OMPC (Operation and Maintenance Power Private Company).
 - East Port Said Thermal Power Plant (2x341MW) under EDF (France Electricity Authority).
- Main Duty: Responsible and Accountable for a proper Safe and Efficient Operation of the power facility while assigned on shift, troubleshoots and repair it till resolved included but it's not limited to Turbines, boilers and auxiliary equipment's.

Field of experience :

- Serving for about 23 years in EPC, project management, O&M of power plants in different developing countries, Turnkey EPC projects, Open and Combined Cycle Power Plants, Oil & Gas field and Grants from the Funded agencies and World bank, expert in managing multicultural team members including senior employees, having extensive knowledge of energy project construction in a project finance environment, awarded for on time delivery of many power plants in Egypt, Saudi, UAE and Kuwait. Excellent interpersonal skills. Good Communication, Selling and Negotiation skills. Good ability to plan and forecast upcoming opportunities. Good knowledge of key players of international and local markets. Adapt easily to different cultures. Multitasking. Creative, Precise and result oriented. Fast learner. Solid Commercial, Technical, Contractual, Legal & Financial Knowledge. Upmost integrity and compliance. High and depth Knowledge of EHS & quality and related policies.
- Note: All roles from 2006 is included both the project management and technical activities under OTR (order to remittance) included but not limited to cold and hot commissioning, start up till COD, O&M Activities till TOAC (Turn Over Accepted Certificate).