

**105398-MEC-14CDEGHV-E-1985**  
**Design Review & Tech. Office Manager**

Holds a B. Sc. in Mechanical Engineering and a Diploma in Air Condition and Refrigeration. Has about 34 years hands-on experience working in construction, design and technical office.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 18/12/1962  
Gender : Male

## EDUCATION

: B. Sc. in Mechanical Engineering, Cairo University, 1985  
: Diploma in Air Condition and Refrigeration, Cairo University, 2004 (2 years)

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office, Internet  
: AutoCAD  
: P&ID, Auto-pipe stress analysis, Heat balance

## TRAINING COURSES AND CERTIFICATIONS

: An intensive course on pressure vessel technology (Design, Fabrication, Inspection, maintenance, failure analysis) by professors from Strathclyde University (1991) at Cairo University.  
: Training course in steam power station systems at Shoubra El-Kheima (Bechtel Co.) (from Dec. 1993 till Jun. 1994): Basics and site specific training courses, constituting a program of concentrated study of power plant equipment and system theory and application.  
: An intensive course on "tendering and estimating" by Co. Design Egypt (Sep. 1999).  
: Radio Graphic (RT) and Magnetic Particle (MT) Level II for welding inspection.  
: Plumbing design course at Engineer's House Office.  
: Firefighting Course at Engineer's House Office.

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Mar. 2018 till Nov. 2018  
**Employer** : GE (SSO #503039048) (through Kharafi National)  
**Project** : Marafiq Rehabilitation Project Yanbu (Saudi Arabia) 8 gas turbines 7001E of 56.17MW  
**Job titles** : Design Review & Tech. Office Manager

**Dates** : From Mar. 2015 till Feb. 2018  
**Employer** : PGESCO / ORASCOM  
**Job Description** :

- New Capital 4800MW Combined Cycle Power Plant Project (SIEMENS) - Siemens series SGT5-8000H gas turbine (Lead Mechanical Construction Engineer).
- Suez Thermal Power Plant 1x650MW Gas/oil fired unit (Project Field Engineer: responsible for all technical issues on site).
- West Damietta Simple Cycle Power Plant 500MW (4 x125MW gas turbine GE frame 9E) (Lead Mechanical Construction Engineer).

**Dates** : From May 2013 till Jan. 2015  
**Employer** : Bechtel / CPS  
**Project** : Al Khalij 4x350MW thermal Power Plant Project (Libya)  
**Job title** : Lead Mechanical Engineer (Construction)

**Dates** : From May 2012 till May 2013  
**Employer** : SepcoIII  
**Project** : Banha Power Station 750MW Combined Cycle Project, Contract 101 (2x250MW gas Turbine GE Frame 9F)  
**Job title** : Tech. Office Manager  
**Job Description** :

- Dealing with all problem of piping (isometric and supports drawing and issue sketches to solve piping interfaces as per site condition) and equipment installation on site confirm following contract specification and Standard Codes.
- Prepare all RFI (Request for information) and FCR (Field Change Request) and FCN (Field Change Notice) and follow their approval from the owner.
- Prepare Hydro Test Packages.
- Participate for prepare hand over Packages.
- Supervise the erection on HVAC System.

**Dates** : From Jan. 2011 till Apr. 2012  
**Employer** : Kharafi National  
**Projects** :

- Al Shabab Simple Cycle Power Plant (8x125MW gas turbine GE frame 9E)
- West Damietta Simple Cycle Power Plant (4x125MW gas turbine GE frame 9E)

**Job title** : Tech. Office Manager  
**Job Description** :

- Dealing with all problem of piping (isometric and supports drawing and issue sketches to solve piping interfaces as per site condition) and

equipment installation on site confirm following contract specification and Standard Codes.

- Prepare all RFI (Request for information) and FCR (Field Change Request) and FCN (Field Change Notice) and follow their approval from the owner.
- Prepare Hydro Test Packages.
- Participate for prepare hand over Packages.
- Design review and supervise erection of all fire fighting systems:
  - Foam System Company – International Security & Safety System Co.
  - FM-200: Watania Co.
  - Deluge System: Teabia Co.

**Dates** : From May 2009 till Jan. 2011  
**Employer** : INITEC Energia  
**Project** : Cairo West Thermal Power Plant 2x350MW  
**Job Description** :

- Lead Mech. Engineer (Piping Supervisor, dealing with Pipe and pipe support Fabrication, Sandblast, paint, installation).
- Supervision erection on site of all Equipment.
- Technical office support.

**Dates** : From May 2008 till May 2009  
**Employer** : Consolidated Contractors Company (CCC) W.L.L. (KSA)  
**Project** : KHFGI Development Phase 1 (KFDP), Gas Plant and Crude Oil Facilities, KHFGI / K.S.A.  
**Job title** : Fabrication Shop Manager  
**Job Description** :

- In-charge for Piping Fabrication, Pipe Support Fabrication, Welding activities, Post Weld Heat Treatment for pipes, and Pipe Sand Blasting and Painting.
- Dealing with the technical construction problems through Engineering Section.
- Review and prepare all resources required (Man Power, Tools and Materials) to cover the planned schedule.
- Supervision of work Crews and follow up the execution of work on all activities as per approved WPS & IFC Drawings.
- Estimate the Forecast Quantities and monitor the Daily Progress and prepare weekly progress reports.
- Monitoring the Man Hours and the related Productivity Factor.
- Prepare some Method Statements and Job Safety Analysis if are needed.

**Dates** : From May 2007 till May 2008  
**Employer** : Consolidated Contractors Company W.L.L.  
**Project** : Rabigh Independent Water Steam Power Plant (IWSPP) 5x120MW, KSA  
**Job title** : Chief Office Engineering  
**Job Description** :

- In charge of all project office work (Civil, Piping, Equipment and E & I), Permanent Material Control and all Technical Queries and site interface.
- Drawing/Isometrics Mark up & spooling of Isometric (Manually).
- Material Take off, input into System (Talisman).

- Material Issuance to different site Disciplines.
- Data input into System (Talisman).
- Detailed Equipment & Piping and Supports Calculation of weight, Surface area and inch dia.
- Test Pack Preparation, updating and Issuance to construction.
- System Package Hand Over Preparation.
- Arrange and Control all Technical Queries with the Client: Request for information (RFI), Site instruction (SI), Field Change Notice (FCN).....etc.
- Collect all required information to keep in CCC's database to be used for future prequalification and tenders.

**Dates** : From Apr. 2004 till May 2007  
**Employer** : PGESCO / Bechtel (Consulting Firm)  
**Project** : Cairo North Power Plant 2x750MW Combined Cycle  
**Job title** : Lead Mech. Construction Engineer

**Dates** : From Jan. 2003 till Apr. 2004  
**Employer** : Electric Power System Engineering Company (EPS)  
**Job Description** : Prepare proposals for power Generation projects.

**Dates** : From Sep. 1997 till Jan. 2003  
**Employer** : ALSTOM  
**Project** : El Lahoun Mini Hydro Power Plant (Fayoum - Egypt) 2x480KW  
**Job Description** :

- Design review.
- Supervision the erection of equipment and pipes.
- Testing and commissioning.

**Dates** : From Jul. 1994 till Sep. 1997  
**Employer** : Raytheon Ebasco Overseas Ltd (REOL)  
**Project** : El-Kureimat 2x600MW Thermal Power Plant  
**Job Description** : Supervision of erection activities and monitor the progress of the daily activities of the following systems:

- Main B&W Steam Boilers Erection.
- Balance of plant equipment and piping systems.
- The Hydrostatic Testing, procedures implementations.
- Visual inspection for welding and review the welding procedure specification (WPS).
- Check the Alignment of rotating equipment.
- Follow up and updating the status of the punch list items.
- Revising the pipes and Instrumentations Diagrams on the "CAD" system.
- Environmental system equipment installation, startup, operation and the client personnel training on the three Air Quality Monitoring Stations and the Nile River Water Quality Chemical Laboratory Equipment and including the required preparation of data collection and analysis reports.

**Dates** : From Oct. 1990 till Jul. 1994  
**Employer** : Electric Power System Engineering Company (EPS)

- Projects** : • Cairo West Power Plant Extension units 5, 6 (2x330MW)  
• Al-Arish Power Plant units 1, 2 (2x30MW)  
• Ash-Shuqayq Power Plant (K.S.A) 4x250MW Steam Power Plants
- Job title** : Mechanical Design Engineer
- Job Description** : • Power station heat rate and thermal heat balance analysis.  
• Power plants layout preparation and plan design.  
• Power station pipeline stress and strain analysis.  
• Pressure vessels stress analysis.  
• Preparation and evaluation of tenders and contracts study for steam power stations.  
• General CAD work including P&ID, Routing, Isometric of pipelines.  
• Design review.
- Dates** : From Jun. 1993 till Feb. 1994 (part time)
- Employer** : Hamaza Associate and LENTJES Company
- Job Description** : Cairo South Power Station:  
• Modify Cairo South steam power station to be combined cycle by using the 3GT and installation of 3 new HRSG together with the old boilers after rehabilitation.  
• Stress analysis for all pipe using Auto-pipe software.
- Dates** : From 1987 till 1990
- Employer** : Arab Porcelain Company (10th of Ramadan City)
- Job Description** : • Maintenance for hydraulic and pneumatic machines.  
• Traveling Belts.  
• Operating and maintenance for furnace which work under control of micro process program to control the combustion (Temperature, Pressure, Air, Gas, etc.).  
• Maintenance for diesel generators and compressors.
- Dates** : From 1986 till 1987
- Employer** : Refrigeration and Air Condition Center
- Job Description** : Fabrication and maintenance.
- Dates** : From 1985 till 1986
- Employer** : Egyptian Army
- Project** : Military Service
- Field of experience** : • Design review for HVAC, and Fire Fighting Systems. Study, checking and approval of contract's drawings and engineering documents for electric power stations during design phase, according to contract Specifications and international standards.  
• Supervision of erection of piping and equipment, testing and commissioning of electric power stations.  
• Visual inspection for the welding and review the welding procedure specification (WPS).  
• Solve all Tech. issues on site with the contractors, Owner and Consultant.

- Follow up site safety rules and participate in site safety meetings.
- Power Plant design piping systems (P&ID and isometric drawings), stress analysis for Critical pipe.