

**106820-MEC-1458CGMVY-E-1991**  
**Mechanical Project Engineer / Mechanical Supervisor**

Holds a B. Sc. in Mechanical Engineering and has over 31 years hands-on experience working in construction, maintenance and piping.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 09/02/1968  
Gender : Male  
Residence : Currently Dubai, UAE

## EDUCATION

: B. Sc. in Mechanical Engineering, 1991

## LANGUAGES

Arabic : Native Language  
English : Good  
Italian : Fair

## COMPUTER SKILLS

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

## TRAINING COURSES AND CERTIFICATIONS

: Senior Construction Engineer - Grade: 26, Bechtel - USA Company (May 2000).

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Feb. 2020 till now  
**Employer** : SHANGHAI ELECTRIC (China Company)  
**Project** : Nour Solar Power (700MW CSP & 250MW PV), Dubai  
**Job title** : Mechanical Project Engineer / Mechanical Supervisor  
**Job Description** :

- Water treatment plant.
- 3x200MW steam turbine installation.
- Generators installation.
- HTF piping fabrication & Installation.
- Condenser ACC installation.

- Piping system fabrication and installation.

**Dates** : From Mar. 2016 till Jan. 2020  
**Employer** : ELMASRYA Construction Co.  
**Project** : Beni Suef Power Plant 4800MW  
**Job title** : Assistant Construction Manager  
**Job Description** :
 

- Gas Turbine installation.
- Generators installation.
- Diffuser Installation.
- By pass Stack installation, Transition Ducat.
- Base Module.
- Seal oil skid.
- Piping system fabrication and installation.
- Closed cooling water pump, piping system.

**Dates** : From Mar. 2012 till Mar. 2015  
**Employer** : Elmadbuly Petroleum Co.  
**Project** : Egyptian Indian Polyester Company, Suez  
**Job title** : Construction Manager  
**Job Description** :
 

- Piping system for Static Equipment Installation.
- Piping system for Rotating Equipment Installation.
- Piping system for Heat Exchangers, Heaters, Tanks, Vessels Towers, Reactors, Filters, Valves, Strainers.

**Dates** : From Mar. 2010 till Feb. 2012  
**Employer** : Kharafi for Mechanical & Electrical Works S.A.E  
**Project** : LNG Project, Alexandria  
**Job title** : Senior Piping Engineer  
**Job Description** :
 

- Pipe line fabrication.
- Pipe line installation.
- Support fabrication and installation.
- Installation Heat Exchangers, Heaters, Tanks, Vessels, Towers, Reactors, Filters, Valves, Strainers.

**Dates** : From Apr. 2008 till Feb. 2010  
**Employer** : Hitachi  
**Project** : Cairo – POWER AND WATER PLANT, 2 units  
**Job title** : Senior Mechanical Engineer  
**Job Description** :
 

- Steam Turbine installation 2 units.
- All system for steam turbine, equipment & piping (lube oil, gland steam, control fluid, main steam, seal steam and turbine drain system).
- Condenser installation.
- Erection of H.P. piping steam & feed water line including equipment deaerator & feed water pumps.

**Dates** : From May 2006 till Feb. 2008  
**Employer** : AMICO Petroleum Company

**Project** : Egyptian LNG, Alexandria  
**Job title** : Construction Manager  
**Job Description** :

- Static Equipment Installation.
- Piping and supports installation.
- Rotating Equipment Installation.
- Installation Heat Exchangers, Heaters, Tanks, Vessels, Towers, Reactors, Filters, Valves, Strainers.

**Dates** : From May 2004 till Apr. 2006  
**Employer** : Mas Petroleum Co.  
**Project** : SEGAS / EGYPT LNG Project, Damietta  
**Job title** : Senior Mechanical Engineer  
**Job Description** :

- Static Equipment Installation.
- Piping and supports installation.
- Rotating Equipment Installation.
- Installation Heat Exchangers, Heaters, Tanks, Vessels, Towers, Reactors, Filters, Valves, Strainers.

**Dates** : From Apr. 2003 till Apr. 2004  
**Employer** : Enelpower Italian Co.  
**Project** : RAS LAFFAN – POWER AND WATER PLANT, 2 units - QATAR  
**Job title** : Senior Mechanical Engineer  
**Job Description** :

- Steam Turbine installation 2 units.
- Gas Turbine installation 4 units.
- All system for steam turbine & Gas Turbine, equipment & piping (lube oil, gland steam, control fluid, main steam, seal steam cooling system and turbine drain system).
- Condenser installation.
- Erection of H.P. piping steam & feed water line including equipment deaerator & feed water pumps.
- Installation of Desalination Plant (25000 M3/DAY) 2 Units.

**Dates** : From Sep. 2000 till Mar. 2003  
**Employer** : Fincimec S.P.A.  
**Project** : (AMCO) Alexandria Mineral Oil Company (Petroleum Co.) Lube Oil Expansion Project, Alexandria  
**Job title** : Construction Manager  
**Job Description** : Maintenance for:

- Installation pipe line & equipment for boiler area.
- Installation of pipe, equipment, pumps, pipe and supports for pumping station tanks area.
- Installation of steam tracing.
- Maintenance & punch list related to start-up and commissioning.

**Dates** : From Apr. 2000 till Aug. 2000  
**Employer** : Bechtel Egypt S.A.E.  
**Project** : Boot #1 Sidi Krir Power Plant units 3, 4 (2x320)

**Job title** : Senior Field Piping Engineer  
**Job Description** :

- Field fabrication & installation of piping.
- Installation of critical pipe.
- Water treatment plant.
- Condensate polisher system.

**Dates** : From Jul. 1998 till Mar. 2000  
**Employer** : Hitachi Plant Engineering & Construction  
**Project** : Alex. National Iron and Steel (ANSDK)  
**Job title** : Project Manager  
**Job Description** : Maintenance for:

- Dismantle & installation fume extraction system (2 units).
- Dismantle fume ext. system from (ANSDK) site in Alex.
- Installation fume ext. system in Arab Steel Company in 10<sup>th</sup> of.
- Installation of thread D.R.
- Piping installation.

**Dates** : From Aug. 1997 till Jun. 1998  
**Employer** : Techint Cimimontubi  
**Project** : Sidi Krir Thermal Power Plant Units 1, 2 (2x320MW)  
**Job Description** : Area Manager for:

- Installation of Desalination Plant (5000 M3/DAY).
- Installation of Air preheaters (4 groups).

**Dates** : From Jun. 1996 till Jul. 1997  
**Employer** : Ansaldo  
**Project** : Soma Bay Development Hurghada (Power Plant)  
**Job title** : Project Engineer  
**Job Description** : Maintenance for:

- Power Generation Plant (4x6MW).
- Water Desalination Plant (1500 m<sup>3</sup>/day) 2 units.
- Sewage plant.
- Fuel Oil tank & pumping station.
- Fire protection & firefighting system.
- HVAC system.
- Following up & solving mechanical problem for the plant.
- Inspection & handing over of the plant to the client.
- Maintenance, pre-commissioning and start-up for the plant.

**Dates** : From Jul. 1995 till Jun. 1996  
**Employer** : Ansaldo  
**Project** : Assiut Thermal Power Plant (300MW) Unit II  
**Job title** : Maintenance Engineer  
**Job Description** :

- Maintenance and adjustment of mechanical parts during commissioning and start-up.
- Working and solving all the static checkout (pending points).

**Dates** : From Jan. 1995 till Jul. 1995  
**Employer** : ABB Sae Sadelmi  
**Project** : Assiut Thermal Power Plant (320MW) Unit II  
**Job title** : Package Manager  
**Job Description** :

- Waste water plant & Pre-treatment plant.
- Fuel oil system, Tanks & pumping station.
- Fire protection & firefighting system.
- Circulation, Raw, service water system & pumping station.

**Dates** : From 1993 till Dec. 1994  
**Employer** : ABB Sae Sadelmi  
**Project** : Assiut Thermal Power Plant (300MW) Unit II  
**Job Description** : Piping Supervisor for:

- Fabrication & Erection of piping supports.
- Fabrication & Erection of L.P. piping.
- Erection of H.P. piping, Condensate polisher system.
- Fire Protection & Fire Fighting System (Power House).
- Hydrostatic test for boiler, L.P & H.P. piping.

**Dates** : From Jun. 1992 till May 1993  
**Employer** : Tarradco Co.  
**Project** : Fabrication for Mahmodia (Power Plant)  
**Job Description** : Workshop Supervisor for Fabrication & painting of steel structure for Mahmodia and Damanhour Power Plants.

**Dates** : From Jul. 1991 till Jun. 1992  
**Employer** : Nouva Cimimontubi Co.  
**Project** : Damietta Thermal Power Plant (6x100MW)  
**Job Description** : Piping Supervisor for Fabrication & Erection of piping and piping supports for power house, pipe rack, Demi plant, pumping station and Boiler Area.

**Field of experience** :

- Positions:
  - Mechanical Lead Engineer.
  - Senior Field Piping & Mechanical Engineer.
  - Piping Superintendent & Mechanical Superintendent.
  - Team Leader.
  - Mechanical Supervisor & Piping Supervisor.
  - Mechanical Engineer.
  - Site Engineer.
  - Workshop Manager.
  - Maintenance Manager.
  - Package Engineer Manager.
  - Site Field Engineer.
  - Project Manager.
  - Construction Manager, Assistant Construction Manager.
  - Mechanical Supervisor rotating & static equipment.
- Essential Duties:

- (Manufacturing Section) Fabrication all kinds of pipe (150lb, 300lb carbon steel, P11, P22, P91, Stainless steel 316SS, 309SS, Copper pipe, FRP, PVC, Polypropylene, cast iron, ductile iron, concrete pipe, bonafide pipe, Duplex, 6% Moly, Galvanized) - Steel Structure and piping support.
- Installation piping system (All kinds of material).
- Installation high pressure lines.
- (Manufacturing section) Fabrication static equipment's.
- Installation static equipment's (Condenser, Heat Exchangers, Heaters, Tanks, Vessels, Towers, Reactors, deaerator, drum).
- Installation rotating equipment's (steam turbine, Gas turbine, pumps, compressors, air preheaters, fans, ventilators, Air cooler, Diesel engine).
- Installation packages (Desalination Plant, Water treatment plant, Pretreatment plant, sewage treatment plant, pumping station).
- Be able to size all HVAC plant - ducts, pipes, fans, pumps, etc. Fabrication and installation HVAC system.
- Installation boiler.
- Pre-commissioning, commissioning and start-up for the plant.
- Maintenance and adjustment of mechanical parts during commissioning and start-up.
- Maintenance for the plant and Maintenance organization.
- Installation Plumbing.
- Piping Modification Design.
- Support Modification Design.
- Onshore, offshore, subsea and Intec sea projects.
- Technical office and documents control management.
- All work under Codes and standard ASME, ANSI, ISO, DIN, API.
- Work on multiple priorities with high quality expectations in a team-based environment.
- Revamping, replacement and repair work for all kinds of mechanical projects.
- Industry experience with ASME Piping (B31.3) and Pressure Vessel (Sec. VIII) Codes, and API, ANSI and other applicable industrial standards.
- Revamping and repair mechanical equipment's & piping work on power station, oil & gas projects and steel rebar projects.
- Sand blasting, hydro testing, chemical cleaning & painting for Tanks, piping, piping supports, steel structure and mechanical equipment's.
- Qualification:
  - Work experience in construction, manufacturing and maintenance.
  - Experience: 22 years' experience in fabrication, and installation in Oil, Gas and Chemical facilities, of which at least 15 years I am be in an LNG Liquefaction Facility, and at least 10 years at a supervisory level.
  - Skills:
    - ❖ Strong leadership and administrative abilities.
    - ❖ An acute sensitivity to safety issues in a hazardous environment.

- ❖ Exceptional written, verbal and interpersonal communication skills.
- ❖ Ability to communicate effectively at all levels of an organization and with individuals and groups from different disciplines, industries and governmental agencies.
- ❖ Able to work with a culturally diverse group of technical individuals whose skills cover the range required to operate and maintain the LNG terminal and Liquefaction production facilities.
- ❖ Possess the personality and ability to relate to and to establish a mutually respectful relationship with management, peers and the various facility level workers whom are all responsible for ensuring good operations.
- ❖ Organized, planning skills, able to manage multiple activities and programs in timely fashion and with a high degree of accuracy, able to meet work deadlines.
- ❖ Exceptional problem solving and analytical skills.
- Maintain a Transportation.
- Worker Identification Credential in good standing status.
- MAIN RESPONSIBILITIES:
  - Responsible for the project construction work as assigned.
  - Ensure the construction procedures are implemented.
  - Ensure the construction work is executed within the planned schedule, and budget.
  - Ensure that the site personnel are sufficiently qualified and/or trained to perform their respective tasks.
  - In-charge of the site work and becomes the focal point for the Client and external parties.
  - Ensure that QA/QC records are systematically filed and safety kept for hand over operation, towards the end of the construction work.
  - Actively involved / support during pre-commissioning and commissioning activities of the plant if required.
  - Ensure that the site construction is executed in accordance with Company's HSE policy and regulations
  - Manage of subcontractors to meet the construction schedule, quality requirements and safety target
  - Promote and maintain a cheerful and friendly atmosphere among all parties at site.
  - Review the work execution plan submitted by Subcontractor. Ensure that it covers all relevant aspects i.e. construction task force, construction equipment, temporary facilities, construction method and safe working conditions.
  - Check and coordinate look ahead schedule in each area in conjunction with drawings and material delivery schedule so that a proper mobilization plan of the construction force can be realized.
  - Monitor the performance of discipline supervisors& subcontractors.
  - Foster and maintain relationship with Client and Subcontractors.
  - Resolve any construction issues which are related to quality, safety, cost and engineering.
  - Maintain good image with the various local authorities.
  - Provide accurate information to the Project Manager and

Construction Department Manager with regards to site conditions and progress.

- Assigned to a field construction management organization in a managerial capacity. Responsible for the organization and direction of construction activities of a single project. Primary client contact for all project field activities. Responsible for all jobsite activities and ensures construction operations are in compliance with design and specifications, and that construction operations are completed on schedule, within budget and to quality standards.
- Primary Responsibilities:
  - Manage all field related aspects of mechanical construction projects on an industrial/commercial level, ranging in size from \$500,000 to \$100,000,000 USD. Scope includes interfacing with customers, inspectors and end users to ensure that projects are executed in accordance with client specifications and budget constraints.
  - Report to project and/or company management on project status and identify potential project problems (delays, revised scheduling, cost overruns, and recommend solutions).
  - Coordinate with the project Foreman and staff to avoid scheduling conflicts and keep crews running efficiently.
  - Thorough knowledge and understanding of the crew size required for defined levels of productivity at each stage of the project schedule.
  - Proven capability to accurately interpret and apply project direction from drawings, schematics, blueprints, job layouts or verbal instructions and operates a variety of tools and machines incidental to project needs.
  - Apply broad, in-depth knowledge of construction methods as they relate to the successful completion of a industrial/commercial mechanical contractor's projects.
- Typical Duties:
  - Procure project-related ancillary furnishings and equipment and monitors installation.
  - Maintaining effective labor relations through ensuring compliance with company policies, resolving employee grievances and treating people fairly & consistently.
  - Lead on-site with job set-up, communications, safety compliance, record-keeping, quality control and closeout as required.
  - Assist in the identification of need and preparation of project related change orders.
  - As required, assists fabrication/inventory warehouse with inspection of material and equipment received and maintenance of stored equipment.
  - Ability to motivate, coach, evaluate and provide guidance to all craft workers exposed to the project
  - Participate in on-going training and career development.
  - Directly manage job costs on all projects to ensure consistent profitability and make changes when needed an experienced, hardworking Mechanical Engineer with proven record and sound knowledge of Mechanical piping construction in petrochemical refineries, seeking opportunity of suitable service in world class



organization. Having burning desire and ability to achieve target within estimated time, in the challenging environment, where the knowledge and working experience both could be best utilized. Finally justified potential reward. To establish myself as a competent person. Able to use own initiative with strong will power and to work with utmost professional standards.

- Maintenance Responsibilities: The Engineer responsibilities will include: providing technical support for maintenance and engineering issues including short term and long term strategies for static and rotating equipment; focusing on rotating equipment with maintenance and inspection strategies; following up on reliability issues; acting as the focal point for discipline engineers of the Engineering Maintenance Organization as well as for Engineering Plant Changes; performing preliminary scoping for potential Plant Changes - overseeing definitions of these and ensuring hand-overs in line with the Management of Change process.