

**103529-MEC-159CEVk-E-2007**  
**Mech. / Piping Technical Office Manager**

Holds a B. Sc. in Mechanical Power Engineering and has over 14 years hands-on experience working as Technical Office and Piping Engineer.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 29/06/1981  
Gender : Male  
Marital Status : Married  
Residence : Sharkia

## EDUCATION

: B. Sc. in Mechanical Power Engineering, Assiut University, 2007

## LANGUAGES

Arabic : Native Language  
English : Good

## COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet  
: AutoCAD

## TRAINING COURSES AND CERTIFICATIONS

: PMP.  
: Effective Communication Skills.  
: 2 Hours Cost Awareness Session in Sep. 2021.  
: Leading self & Others.  
: Introduction To Contracts and Claims Course.  
: 10-Hours Occupational Safety & Health Training Course in OSHA Construction Industry Safety & Health Standards (29 CFR 1926).  
: PRMG-10 (Project Planning and Control Techniques).  
: PRMG-25 (Introduction to Project Management International Standards).  
: PRMG-30 (Project Budgeting & Financial control).  
: PRMG-20 (Management of Project Resources).  
: PRMG-80 (Project Bids and Contracts).  
: AutoCAD

: Air condition systems (water cooling, air cooling) and Ventilation design course.

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Jun. 2019 till now  
**Employer** : Orascom Construction (OC)  
**Project** : BAHR EL-BAQR Waste Water Treatment Plant (Qantar Sharq, Ismailia, Egypt) 5,000,000 m<sup>3</sup>/d two stream 3 & 4 and non-process buildings  
**Job title** : Mechanical / Piping T.O Manager  
**Job Description** :

- Coordinate all (mechanical, piping and underground networks) technical matters between engineering, construction, procurement and subcontractors in order to solve any potential problems.
- Set / follow up with project consultant the effective cycle of approvals for shop drawing and material submittal.
- Manage shop drawing team to produce shop drawings in a timely and accurate manner and getting consultant approval.
- Assist in preparation of the method statement with construction and quality control team.
- Follow up with construction team to solve all technical problems that may arise during construction.
- Ensure an effective material management process relating to submittal approval process, control, storage and distribution of material according to project's needs.
- Support planning and cost control departments in monitoring weekly procurement material status and construction progress.
- Support contract administrators in preparing any technical / cost claims with sufficient information about any variation order.
- Follow up and review the quantity surveying process with subcontractors compared with shop drawing's MTO to ensure their accuracy.
- Attend progress meetings, discuss and suggest technical proposal.
- Follow up and tracking purchasing material which in scope of supply with purchasing department.

**Dates** : From Oct. 2015 till May 2019  
**Employer** : Orascom Construction (OC) Consortium with General Electric (GE)  
**Project** : Assiut Combined Cycle ADD ON Power Plant 8 HRSG's – 2x250MW Steam Turbine 2<sup>nd</sup> Stage and 2 ACC  
**Job title** : Piping Construction Team Leader  
**Job Description** :

- Coordinate between the construction and engineering teams ensuring the harmony between engineering team requirements and construction team deliverable.
- Ensure adherence to technical office policies and procedures through continuous review to the project contracts, terms and conditions, time schedule, review of design drawings and owner/consultant's bill of quantities (BOQ).
- Set / Follow up with project consultant the effective cycle of approvals for shop drawing and Material submittals.
- Manage shop drawing team to produce project's shop drawings in a timely and accurate manner and getting consultant approval.

- Follow up with construction team to solve all technical problems that may arise during construction.
- Provide guidance to contractors regarding schedule, procedures, the scope of work and other information requirements.
- Plan and organize monitoring the contractor's activities.
- Review activities of subordinates to ensure field operations are adequately monitored and all necessary tests and inspections are conducted.
- Develop a close working relationship with contractors.
- Review job plans, methods, equipment, staffing and productivity and detects potential problem in confirming with approved drawings or specification.
- Review problem with the contractors to determine whether actions proposed are adequate for resolution.

**Dates** : From Sep. 2014 till Oct. 2015

**Employer** : Orascom Construction (OC) Consortium with General Electric (GE)

**Project** : Assiut Simple Cycle Power Plant - 8x125MW Gas Turbine (Fast Track Project) 1st stage consists of: 8 Gas Turbine + generators + GIS Building + 18 Fuel tanks + 4 water tanks + 12 Auxiliary building

**Job title** : Senior Piping Engineer

**Job Description** :

- Reviewing ISO DWGs, P& IDs, PAD and all types of Support DWGs, Specifications, Method Statements and all related documents.
- Assigning targets and determining the plans and schedules for all piping activities.
- Coordination between all disciplines civil, Steel Structure, Mechanical and electrical/Instrument Depts.
- Following up piping activities considering all related constraints (Workforce, Equipment, etc...).
- Coordination between all concerned subcontractors.
- Coordination and scheduling Test packages with QC Dept.
- Coordination with Quality Control Dept.
- Client/Contractor representative during interface meeting or any coordination meeting.
- Supporting Field Engineering Dept.
- Reviewing Spools fabrication process to be as per the latest revised DWGs.
- Following up construction team, work force, subcontractors.
- Reporting to Project Head Management (Senior Piping Engineer, Piping Dept. Manager).
- Take Corrective actions as per Site Memos (SOM), Information & NCRs.
- Supporting Technical Office Dept.

**Dates** : From Nov. 2013 till Jul. 2014

**Employer** : Orascom Construction Industries (OCI) Consortium with Siemens

**Project** : Baiji Power Plant - 6x160MW Gas Turbines, IRAQ  
(Construction of BAIJI Power Plant - 6x160MW - Combined Cycle Project consists of 6 Turbine generators + GIS Building + 24 Fuel tanks + 4 water tanks + 13 Auxiliary building)

**Job title** : Senior Technical Office Engineer

**Job Description** : 

- Solving the technical problems of piping system and prepare modification drawings and prepare time sheet according to resources and time.
- Received the drawing's approval from client before issuance for construction.
- Follow up received transmittal and prepare document log.
- Review design drawings and ensure that there are no conflict between different departments.
- Estimate and evaluate diameter inch and tonnage for all systems piping networks.
- Making welding map for isometric drawings to facilitate prefabrication work.
- Prepare TQ and introduce proposal of solution.
- Making as built drawings for isometrics.
- Prepare piping and supports progress report.
- Follow up and monitoring the erection completion in relation to various system punch list and hydro test.

**Dates** : From Jul. 2012 till Oct. 2013

**Employer** : Orascom Saudi

**Project** : King Abdul-Aziz International Airport Development Project (Phase I - 422), Jeddah – KSA

**Job title** : Technical Office Piping Engineer

**Job Description** : 

- Reviewing & preparing chilled water system material submittals for pipes, valves and fittings.
- Review design drawings and ensure that there are no conflict between different departments.
- Estimate and evaluate diameter inch and meter long for all systems piping networks.
- Revising shop drawings of chilled water system.
- Preparing shop drawings submittal for approval.
- Received the drawing's approval from client before issuance for construction.
- Solving the technical problems of piping system and prepare modification drawings.
- Making welding map for shop drawings to facilitate prefabrication work.
- Prepare RFI and introduce proposal of solution.
- Review supports shop drawings.
- Quantity survey of piping support.

**Dates** : From Jun. 2011 till Jul. 2012

**Employer** : Orascom Construction Industries

**Project** : 6th October Power Plant - 600MW Simple Cycle

**Job title** : Technical Office Piping Engineer

**Job Description** : 

- Review design drawings and ensure that there are no conflict between different departments.
- Estimate and evaluate diameter inch and tonnage for all systems piping networks.
- Received the drawing's approval from client before issuance for construction.

- Making welding map for isometric drawings to facilitate prefabrication work.
- Solving the technical problems of piping system and prepare modification drawings and prepare time sheet according to resources and time.
- Prepare RFI and introduce proposal of solution.
- Making as built drawings for isometrics.
- Prepare piping and supports progress report.
- Follow up and monitoring the erection completion in relation to various system punch list and hydro test.

**Dates** : From Jan. 2010 till Jun. 2011  
**Employer** : Orascom Construction Industries  
**Project** : Construction of Al Ezz Flat Steel Factory at Al Ein Al Sokhna – building Continues Casting Machine (CCM) building, 2 Bar Mills and its facilities + 2 control cabins + 4 administrator buildings + Compressed air plant  
**Job title** : Technical Office Piping Engineer  
**Job Description** :

- Generate and Review all ISO's with the PAD drawings.
- Follow up erection of pipes and pipe supports progress.
- Preparation RFI's related to piping.
- Preparation of progress reports for project management.
- Solving the technical problem of piping system and review the as built drawings.
- Follow up the modification on site.
- Follow up the hydro test of piping.
- Estimate the total diameter inches.
- Preparation of hand over packages for commissioning.

**Dates** : From Sep. 2007 till Dec. 2009  
**Employer** : AL-BASMALA FOR TRADING & CONTRACTING  
**Project** : TRUST CHEMICAL FACTORY (Port Said)  
**Job title** : Piping Site Engineer  
**Job Description** :

- Follow up the piping fabrication activities and erection activities of piping systems carbon steel, stainless steel and alloy material (critical piping).
- Follow up the piping supports fabrication and erection activities.
- Follow up the piping painting and insulation activities.
- Follow up piping (hydrostatic test).
- Prepare piping progress report.
- Follow up the erection of equipment such as pumps, heat exchanger, reactors and vessels.

**Field of experience** : Good knowledge about the piping, boilers and tanks codes ASME B31.1, 31.3, ASME B 36.10, ASME B 36.19, ASTM, ANSI, API, DIN, EN and all related piping and piping fittings, valves codes.