

100248-MEC-168CDEYq-E-2014
Senior Planning & Project Engineer

Holds a B. Sc. in Mechanical Engineering and has about 8 years experience working in construction, design, technical office and planning.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 04/04/1992
Gender : Male
Residence : Banha

EDUCATION

: B. Sc. in Mechanical Engineering, Shoubra University, 2014

LANGUAGES

Arabic : Native Language
English : Very Good
German : Basics

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: Solid Works
: MS Project
: Google Sheets, Google Workspace
: Oracle
: Autodesk Inventor
: Autodesk AutoCAD
: Autodesk Revit
: AutoCAD 3D Plant
: PVsyst
: PVSol
: SAP 2000
: MS Project
: Primavera P6
: HAP

TRAINING COURSES AND CERTIFICATIONS

- : IELTS (Mar. 2017).
- : Solar Energy Engineering Training, German Technology Solar Systems (GTSS) (Jan./Feb. 2015):
 - Design and install solar energy systems.
 - Test and simulate PV systems.
- : Oil Refining Training, Cairo Oil Refining Company (CORC) (from Jun. till Oct. 2012):
 - Heat Exchanger Maintenance.
 - Test and simulate Oil Refining units.
 - Pipe Racks Construction & Maintenance.
- : Aeroplanes & Hydraulic Equipment Maintenance, Cairo Airport (Egypt Air) (Aug./Sep. 2011):
 - Investigation in some technical issues caused alarms at plane landing.
 - Charging & Maintenance Air Conditioning at planes.
 - Push Back Hydraulic Maintenance.
- : Oil Refining Training, Cairo Oil Refining Company (CORC) (from Jun. till Aug. 2011):
 - Design Pressure Vessels.
 - Design Pumps.
 - Studying the way of refining.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Oct. 2021 till now
Employer : Electro Tharwat
Project : Tobruk Power Plant 4x185MW Gas Turbines
Job title : Senior Planning & Project Engineer
Job Description : Scope: Execution of Electromechanical works for 4 Gas Turbines.

Dates : From Feb. 2021 till Oct. 2021
Employer : Madkour
Project : Ashmoun "Hayah Karima"
Job title : Senior Project Engineer
Job Description : Scope: Replacement of old water & sewage water networks for 52 villages, Executing Electromechanical for 5 Waste Water Plants, 11 Drinking Water wells & 2 Lifting plants for sewage water.

Dates : From Oct. 2020 till Feb. 2021
Employer : Acropol for Renewable Energy Solutions
Project : Tawila Island, Gouna
Job title : Construction Manager
Job Description : Scope: Established Solar Heater Systems "42 x 300, 7 x 500 Liters" also performed testing, commissioning & handed over to the client.

Dates : From Jun. 2020 till Oct. 2020
Employer : Acropol for Renewable Energy Solutions
Project : Officers Village at Alamin
Job title : Construction Manager
Job Description : Scope: Established Solar Heater Systems “47 x 300 Liters” also performed testing, commissioning.

Dates : From Apr. 2020 till Jun. 2020
Employer : Acropol for Renewable Energy Solutions
Project : American College, Maadi
Job title : Construction Manager
Job Description : Scope: Established Solar Heater Systems “3 x 1000 Liters” also performed testing & commissioning.

Dates : From Sep. 2019 till Apr. 2020
Employer : [PowerServ](#) (Power Plants Services Company S.A.E)
Job title : Construction Manager
Job Description : Scope: Established two stations of power 80 KWh & 25KWh (Alexandria), also testing & commissioning.

Dates : From Aug. 2018 till Sep. 2019
Employer : MEGA Company for Mechanical & Industrial Projects
Project : West Cairo Project 1x650MW Supercritical Power Plant
Job title : Planning Engineer
Job Description : Scope: Execution of One Gas/Oil fired Boilers “CP-105”.

Dates : From Aug. 2016 till Aug. 2018
Employer : Misr Company for Mechanical & Electrical Projects (Kahromika)
Project : South Helwan Project 3x650MW Supercritical Power Plant
Job title : Technical Office Engineer
Job Description : Scope: Execution of Two Gas/Oil fired Boilers “CP-105”.

Dates : From Sep. 2015 till Aug. 2016
Employer : Alsalsabeel Company (Egypt)
Projects :

- 25 KW solar pumping system in Sohag, Qena and Alexandria
- 20 KW solar pumping system in El-Menya and Alexandria
- 15 KW solar pumping system in Sohag and El-Menya
- 5 KW solar off-grid system for residential building in El-Menya and Al-Behera
- 3 KW solar off-grid system for farm in Sohag and technical office in Ramses
- 2500 Liter solar heating system for residential building in Taba
- 300 Liter solar heating system for residential building in Cairo
- 1500 Liter solar heating system for residential building in Hurghada
- Design 25 KW, 20 KW, 15 KW Solar pumps and install Solar Energy

- Systems (Off Grid - On Grid - Solar Pumping) using PV System Program
- Job title** : Solar Engineer
- Job Description** :
- Design or coordinate design solar PV system, including system components for residential and commercial buildings.
 - Create electrical single-line diagrams for solar electrical connections using computer-aided design (CAD) software.
 - Perform computer simulation of solar PV system performance or energy production using PVsyst to optimize efficiency.
 - Provide technical support for installation team during installation, start-up, testing, system commissioning, and performance monitoring.
 - Design, fabricate and install solar heating systems for residential and commercial buildings.
 - Design, install solar pumping systems for irrigation purposes.
 - Perform thermal, stress, or cost reduction analyses for solar systems.
 - Test or evaluate photovoltaic (PV) cells or modules.
 - O&M for solar PV systems to ensure the high performance and efficiency.
 - Design and install Solar Energy Systems (Off Grid - Solar Pumping - Solar Heaters).
 - Design, fabricate and install the steel works.
 - Survey the working site and define needs and provide a site report for purchasing team to prepare the technical offer.
- Field of experience** :
- Senior Planning & Project Engineer:
 - Initiation Phase:
 - ❖ Studying scope of work (SOW), project contract & Study the specifications, drawings.
 - ❖ Identifying project stakeholders.
 - ❖ Preparing level 1 schedule.
 - Planning Phase:
 - ❖ Defining scope and work breakdown structure (WBS) preparation.
 - ❖ Gathering information and collect requirements from stakeholders for schedule activities, constraints, milestones and sequence preparation.
 - ❖ Assigning resources/sub-contractors for project/shutdown activities.
 - ❖ Developing and maintaining detailed project forecast report.
 - ❖ Estimate activities duration and develop level 2 and level 3 schedules.
 - ❖ Estimate costs and determine budget.
 - ❖ Preparing curves for progress, man-hour, cost and installation curve for quantity per commodity.
 - ❖ Preparing manpower and equipment histograms.
 - Execution Phase:
 - ❖ Acquire project team and resources.
 - ❖ Procurement and service requisitions preparation.
 - ❖ Follow up engineering updates for issued DWGs/QTYs VS to go SOW QTY.
 - ❖ Follow up procurement and service orders status and delivery dates.

- ❖ Preparing daily, weekly and monthly reports.
- ❖ Invoices preparation for performed work & prepare and arrange all interim invoices for subcontractors and suppliers.
- ❖ Updating project/shutdown documents and recording lessons learned.
- ❖ Issuing scope/cost/time/ force majeure claims to be recorded through project phases (if required).
- Monitoring & Control:
 - ❖ Gathering information for deep analysis by simple reporting.
 - ❖ Highlighting look ahead concerns to be always ahead of the game.
 - ❖ SOW verification and managing changes.
 - ❖ Schedule and S-curves tracking to avoid any delay.
 - ❖ Cost monitoring (EV) to avoid cost run.
 - ❖ Managing and control subcontractors and suppliers.
 - ❖ Preparing performance reports and presentations to take the corrective action.
- Closing Phase:
 - ❖ Finalize all invoices and closing procurements.
 - ❖ Preparing the final report and presentation.
- Construction Manager:
 - Overseeing the logistical requirements of a project.
 - Delegating work to colleagues within your team
 - Meeting regularly with clients, third parties and other managers to report on progress.
 - Setting targets, objectives and responsibilities for all supervised staff.
 - Regularly reviewing timings, budget, labour, risk and project plans to ensure work stays on track.
 - Setting and agreeing budgets.
 - Conducting site visits to inspect work, check materials and ensure staff are following health and safety guidelines.
 - Dealing with contracts and mitigating the impact of any issues.
 - Ensuring the delivery of high-quality work within contract timescales.
 - Working in an office and on a construction site.
- Technical Office Engineer:
 - Increased customer satisfaction by resolving issues.
 - Proved successful working within tight deadlines and fast-paced atmosphere.
 - Develop and verify MTOs, equipment and bulk quantities against P&IDs and drawings.
 - Develop multi-discipline concepts, detailed and definitive cost estimates for Capital Projects.
 - Review estimates to ensure accuracy, completeness, and compliance with defined scope of work.
 - Assist project management and contracting personnel with bid analysis and contract negotiations.
 - Engineer and coordinate with teammates on company estimating methods and preparation directions.
 - Upgrade on changing developments in estimating advances by reviewing technical literature, contact with contractors, visits to construction locations and attending professional and technical

meetings.

- Revise and conclude incoming Requests for Proposals (RFP's).
- Study and interpret engineering drawing and technical specifications to develop manufacturing process flows.
- Maintain project schedule by monitoring project progress; coordinating activities; resolving problems.
- Highlight for milestones and critical activities.
- Interact daily with the clients to interpret their needs and requirements and represent them in the field.
- Cooperate and communicate effectively with project manager and other project participants to provide assist and technical support.
- Co-ordination between construction engineers and technical office.
- Preparing lifting plans.
- Filing and handling documentations according to site basis.
- Management for submittals and transmittals between main and subcontractors.
- Dealing with all documents and official letters.
- Preparing as built drawings.
- Preparing turnover package (TOP) & (ECC).
- Material Survey according to drawing.
- Preparing MTO, BOQ, MTS.
- Co-ordination in receiving and transferring material to site.
- Competencies:
 - Planning Engineer experienced in Scheduling, Resource plans, Cash Flows & Cost Control.
 - Site Management.
 - Engineering design development.
 - Project estimation.
 - Project Management.
 - Risk Assessment.
 - Command, Control, Communications and Computers (C4).
 - Project forecasting.
 - Technical analysis.
 - Requests for information (RFIs).
 - AutoCAD proficiency.
 - Mechanical Engineering.
 - Construction Management.
 - 2D and 3D modeling.
 - Project Management proficiency.