



Mohamed Swydan

MEng, PMP, CEM, PRMG

Program and Project Management
Professional

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👤 Summary

- **Master Degree Holder** in New and Renewable Energy
- **Certified PMP®** from Project Management Institute(PMI) (USA)
- **Certified P3O®** from Axelos (UK)
- **Certified CEM®** from the Association of Energy Engineers (AEE) (USA)
- **Certified PRMG** (score 3.51/4) from American University in Cairo (AUC)
- Mechanical Power Engineering Bachelor from Ain shams University in Cairo
- Experienced in **Energy Solutions** for Industrial, Oil, and Gas
- Lead of Portfolio, Program Office for UAE GBU
- Lead the Projects Management Team to Facilitate Projects as follows
 - **Co-Generation and Tri-Generation** Energy Projects (Managing Tri-generation In industrial Application to produce 30 MWe from Medium Speed Rotating Gen-Sets and 16t/has a WHR (Waste Heat Recovery) and 430 USRT from Absorption Chiller.
 - **Waste Heat Recovery in Cement Factory to Generate 20 MWe** from 6 WHRBs to Generating Steam that is Utilized in Steam Driven Turbine
 - ORC (Organic Rankine Cycle) Solutions
 - Solar photovoltaic systems (PV)
 - Electro-Mechanical contracting (MEP) (HVAC-Firefighting-Plumbing-Special Systems

📁 Areas of expertise

- Co-Generation- Tri-Generation
- Waste Heat Recovery Systems
- Waste to Energy -Biomass
- Industrial and Power Plant
- PMO Teams Building
- Schedule Control
- Cost Control/Reduction
- **Program Management**
- P3O
- PROCORE
- Team Leadership
- **ORC**
- MEP Works
- Cement WHR

📁 Education

Master of Engineering, New and Renewable Energy, Ain Shams University, Cairo, 2021

Diploma, Project Management, American University in Cairo(AUC), Cairo, 2015

Bachelor of Engineering, Mechanical Power, Ain Shams University, Cairo, 2008

📁 Certifications & Memberships

- Project Management Professional (**PMP**) Certification
- Portfolio, Program and Project Offices Management (**P3O**) Certification
- Certified Energy Manager (**CEM**)
- Project Management (**PRMG**) (AUC) Certificate

📁 Work experience

July 2022 - Present

Industrial Project Manager

Engie, Dubai United Arab Emirates

- Establish the Program Management Platform
- Manage the First of Kind Waste heat Recovery Power plant from Cement Manufacturing Plant in UAE utilizing ORC technology
- Train and develop the team
- Liaise with all inward teams for the new role of the PMO team

Dec 2020 - June 2022

Projects Manager

Korra-Energi Egypt

Managing Projects as Follows:

-**EPC** Contract of **Waste Heat Recovery** from Cement Production lines Aimed to Generate (20 MWe) From AQC and PH Using 6 Waste Heat Recovery Boilers (WHRP) to Generate Steam that Rotates Steam Turbine Rotor

- **BOT** Contract of **Tri-Generation** Power Plant Aimed to Generate (30 MWe From Medium Speed Gen-Set, 16 TPH Saturated Steam From WHRBs, and 430 USRT Chilled Water from Absorption Chiller)

- **EPC** Contract of **Flare Gas Recovery** in Petrochemicals Factory Aimed to Recover LPG and Fuel Gas from Flared Gases

- Established and Managed Controlling PMO
- Restructure of Projects Team Members
- Started Strategic Alliances to Complete the Expertise Profiles
- Established The Project Management Soft Platform
- Established The Document Control System
- Established The Executive Projects Administration System
- Implemented the Projects Integration Management Module
- Mentored Staff in Establishing Individual Expectations, Fostering Creativity and Self-Motivation by Implementing Result Expectations.
- Managed Budgeting Process and Profit and Loss Records
- Attend HAZOP ,HAZID and all design phases from Project Management Perspective

Jan 2016 - Nov 2020

Project Manager

Korra-Energi Egypt

Managed The Day-To-Day Operations Filling Many Roles to Support Growth and Add to The Bottom Line. Implemented Project Management Skills and Tools to Construction Works to manage the BOO Contract of the First Flare Gas Recovery Project in the Oil and Gas Field in Egypt; Doing the Daily Works Including

- Develop Project High-Level Structure
- Human Resources Recruitment for Key Subordinate Positions
- Identify Stakeholders
- Define the Scope
- Define The WBS, Activities, And Milestones for The Planning Team
- Define Cost Control Procedure and Flow Chart for Orders
- Resources Management Plan
- Define the Project Budget Including Direct and Indirect Costs
- Identify Risks, Qualitative Risk Assessment, Plan Risk Responses
- Direct and Manage Project Work According to The Plan and Monitor the Deviations
- Take Corrective Actions Tackling Deviation from The Scope, Time, And Cost Baselines.
- Conduct Procurement
- Manage Communication Between Project Stakeholders
- Manage Stakeholder Engagement
- Check the Project CPI, SPI Deviation Reasons
- Tackle the Cash Flow Deficient Predicted Reasons

Dec 2012 - Dec 2015

Senior Mechanical Engineer (Procurement and Estimation)

Drake and Scull Intl. Saudi Arabia

- Receiving Project Documents (Scope of Work, BOQ, Drawings, Schedule of Equipment, Instruction to The Tenderer, Recommended Manufacturer List, Responsibility Matrix, Design Concept, And Details) And Verifying Its Completeness.
- Allocate Resources for The Project Study.
- Supervise RFQ Packages Preparation.
- Supervise Evaluation of The Supplier Quotations Against the Tender Requirements Such as Capacity, Quantity, Specifications, Deviations, Etc.
- Make A Comparative Analysis of All Quantities.
- Assist In Supplier Follow-Up and Manage Relationships with Them.
- Revise Project Cost Estimation with Engineers.
- Negotiate Material Prices with Suppliers and Specialties Subcontractor
- Prepare Material and Manpower Estimate Brief-Look (Summary Sheet) To Discuss with Management Level.
- Enhance Teamwork Flow-Through Continuous Development of Tools and Techniques.
- Revise The Costing for The Post-Tender Clarifications Received.
- Prepare Final Contract BOQ Based on The Agreed Contract Value.
- Arrange With Different Departments for Budget Uplifts and Cost Adjustments.
- Prepare Handing Over the Package for Awarded Projects for Different Parties

Sep 2011 - Dec 2012

Mechanical Engineer (Application Engineer)

Korra-Energi

- HVAC Projects Technical Study and Cost Estimation.
- Fire Fighting Projects Technical and Cost Estimation.
- Plumbing Projects (Supply, Drain, Storm Systems) Technical Study and Cost Estimation.
- Cooling Load Estimation by HAP Program.
- Absorption System Chillers Solution Offering/Training.

- Screw System Chillers Solution Offering

Feb 2009 - Aug 2011

Technical Office Engineer

ValueTech

- Proposing Effective Balancing Solution for HVAC Pipeline Network (Including Balancing Valve Sizing Calculations).
- Provide Detailed Piping System Material Take-Off.
- Provide Technical Training on Fire Fighting Devices.
- Provide Training Programs on Hydraulic Balancing and Grooving Systems.
- Make The Technical Suggestion and Technical Selection for Vibration Isolators.

Key Skills Assessment

Strategic Management – Experienced In Portfolio, Program and Project Management, Procurement Management, Business Management, Vendor Management, Contract Negotiations, And Strategic Financial Analysis to Increase Efficiency and Reduce Costs While Maintaining Solid Rapport with Business Partners.

Team Leadership and Budget Management – Expertise in Leading and Building Cohesive Cross-Functional Teams and Collaborating with Senior Executives in Improving Operations and Starting Up New Business Locations While Overseeing Staff and Managing Budgets.

Process Improvements – Devised and Implemented Processes, Procedures, Systems, And Internal Controls to Strengthen Operations, Increase Productivity and Enhance Customer Satisfaction

Languages

English and Arabic