KATRINA P. **MENDOZA,** PMI-RMP, LEED® GREEN ASSOCIATE™,

Project Manager, Mechanical Design Engineer, Lead Cost Estimator

Present Address: Al Hamdani St., Kanary Building, Al Sadd, Doha, Qatar/
Home Address: Antipolo, Rizal, Philippines
Birthdate: August 15, 1986
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CERTIFICATIONS:

- PMI *Risk Management Professional* (PMI-RMP) - ID number: 1843074
- *LEED Green Associate* – ID number: 11016132-GREEN ASSOCIATE
- Association for Advancement in Cost Engineering (AACE) International Member – ID number: 260650
- Membership for *Construction Estimator Certified (CEC)* at *Canadian Institute of Quantity Surveyors (CIQS)* – on progress
- Working towards *Certified Cost Professional (CCP)* by Association of Advancement in Cost Engineering International (AACE International)
- Working towards *APEGA* Foreign Licensee membership – Member ID number 230076

MAIN SKILLS:

- Assesses and Manages Projects Risks with systematic approach as per PMI Standards (Plan, Identifies, Perform Qualitative Analysis, Perform Quantitative analysis, Plan Risk Responses and Monitor and Control Risk).
- Estimation, Cost Control, Planning and Scheduling, Contract and Tender Preparation, Contract negotiation
- Flexible and can adapt to environment and organizational systems.
- Practices Energy saving and sustainable principles to save valuable Client's assets.
- Proficient in CAD software and Design Analysis, Catia V5, REVIT MEP, AutoCAD, HAP Carrier systems, PDS, Microstation, Smartplant
- Other Computer Skills: MS Office, MS Project, SAP, Sharepoint

INDUSTRY EXPERIENCES:

- Energy and Chemicals (Oil and Gas, Mining, Aluminium Smelter Plant)
- Construction
- Fabrication (Skid and Modules, Piping, Static Equipment, Rotating Equipment)
- Aircraft Interiors Manufacturing - Galleys

TOTAL YEARS OF EXPERIENCE: 8 years

EDUCATION:

1. UNIVERSITY OF ROEHAMPTON, UK
   Masters in Business Administration-Online
   2015-Present

2. MAPUA INSTITUTE OF TECHNOLOGY, PHILIPPINES
   Bachelor of Science in Mechanical Engineering
   2003-2007

PROFESSIONAL EXPERIENCES:

A. June 2014-Present
Company: Black Cat Engineering and Construction (seconded to QATALUM)
Position: Project Engineer/ Mechanical Design and Lead Estimator
Country: Doha, Qatar
Project: Qatar Aluminium Smelter Plant Construction and Modifications

Key Achievements:

- Created and innovated the Estimation Tool Software and database currently used in Qatalum Construction and Modification Projects.

Main Roles and Responsibilities:

1. Creates and Leads Project Estimating (Class 5 to 1), Risk analysis, Design Criteria, Contract Specifications, Planning and Reporting Acitvities.
2. Manages and coordinates Project Modifications and Construction Activities.
3. Using the parameters and experiences from different Industries, enumerate WBS, prepares Leve 1 – 3 Schedules, determine Direct and Indirect cost and verify thru *Quantity surveys.*
4. Maintains the integrity of the Estimation database and keeps the historical records of Suppliers, Contractors and Subcontractors.
5. Provides and recommends guidance on tendering procedures for FEED/ EPC projects to PMT and Subcontractors.
6. Provides Value Analysis and Risk Analysis to the Client to optimize Cost incurred and give them options within their Budget tolerance.
7. Reviews and challenges Technical Specifications (Mechanical Equipment, HVAC, Plumbing, Fire protection, Structural members, Piping) Method Statements, Material Data Sheets, Equipment Manuals, Subcontractor capability, QA/ QC requirements before issuing a purchase order and invoices thereafter monitors on-site installations.
8. Facilitates Risk Management lecture to Technical and Engineering Team to equipped Project Management Team how to systematically conduct Risk Assessments to Projects.
9. As an advocate of LEED - Develops Sustainable, Energy-efficient, Environmentally-friendly designs that promotes Green building.
10. Creates Conceptual design of Mechanical Systems such as **HVAC, Plumbing and Fire Protection** complying with local and globally recognized standards.

B. November 2013- April 2014
Company: **Fluor Daniel Philippines**
Position: Intermediate Piping Designer II
Country: Philippines
Project: Piping Design of BASF Lemongrass Project – Kuantan, Malaysia

Key Achievement:
- Created the initial Drafting of Jacketed Piping details (via Microstation) to be used as a Fabrication detail for Process Piping within BASF Lemongrass Project via Microstation and laid out piping and equipment using PDS and Smartplant.

C. October 2011- October 2013
Company: B/E Aerospace United Kingdom and Philippines
Position: Mechanical Design Engineer
Country: United Kingdom (UK) and Philippines
Project: **Airbus A350XWB** Galley Manufacturing

Key Achievements:
- One of the pioneers who taught and establishes the Aircraft Galley Manufacturing technology assemblies in the Philippines (Batangas) Manufacturing Plant.
- Assisted the improvements of the Manufacturing line assembly to increase the production quotas.
- Creates and modifies Rework Schemes complete with Drawings Illustrations (via CATIA V5 and Teamcenter) and Systematic procedures with accordance to Company and Client (AIRBUS) Specifications.

D. July 2008 - Sept 2011
Company: EEI Corporation
Position: Design and Cost Engineer 1
Country:Philippines
Project: EPC of Oil and Gas Projects, High Rise/ Commercial Buildings, Skid and Module Fabrications, Manufacturing

Key Achivements:
1. Contributed exceptional efforts to awarded Construction Projects.
2. Selected to be the first pioneers of established Design Team.

Main Roles and Responsibilities:

1. Develop and leads the preparation of Mechanical datasheets, Estimates (Classes 1-5) and Risk Assessments (storage tank and pressure vessels, Process Piping, Power Piping, Columns, Heat Exchangers, Jacketed Vessels, Drums, HVAC, Water Treatment Plants) in relation to Global Standards and Specifications, Calculations, Material Take-off's, Manhours/manpower and Equipment allocation, BOM's, Scope of work, Planning and Scheduling of Oil and Gas Projects (Petrochemical, Refineries, Mining, Hydrocarbons) Breweries, Building Construction Projects not only locally but also in overseas.
2. Uses mathematical and schematic models in proving of design integrity (P&ID, Stress calculations such as Wind loading, Seismic, Nozzle loading) to aid in design decision making and present as part of supporting documents.
3. Undergone extensive training in Cadetship program (IEDP) in **QA/ QC, Testing (NDT's), Operations, Marketing, Fabrication, Planning and Engineering**. (Year 2008-2009).

LIST OF PROJECTS

ITEM NUMBER	LIST OF PROJECTS	DESCRIPTION OF WORKS	POSITION HELD	PROJECT COST (USD)
1). Qatar Aluminium Construction and Modification projects				
1.1	Extension of Warehouse	EPCI, -Civil, Structural, Mechanical, Electrical, Instrumentation, Fire protection	Lead Estimator, Scheduler, Mechancial Discipline Lead	13,000,000
1.2	Centralized Vacuum Cleaning system	EPCI, Mechanical, Structural, Electrical	Project Manager, , Scheduler, Estimator	800,000
1.3	Asphalting of Potline area	EPCI, Civil	Project Manager, , Scheduler, Estimator	433,000
1.4	Pot Tending Machine (PTM) Oil Storage Warehouse	EPCI, Fire protection, Mechanical	Project Manager, , Scheduler, Mechanical Discipline Lead, Lead Estimator	260,000
1.5	PTM Workshop Elevator	EPCI, Mechanical	Project Manager, , Scheduler, Mechanical Discipline Lead, Lead Estimator	204,000
1.6	Hydrogen Fluoride (HF) Roof Emission Mornitoring Project	EPCI. Piping, Structural	Project Manager, , Scheduler, Mechanical Discipline Lead, Lead Estimator	193,000
1.7	Anode Covering Area (ACM) and Fluoride access platform	EPCI, Structural	Project Manager	100,000
1.8				
1.9	Overhead Crane Stopper Modification	EPCI, Structural	Project Manager, , Scheduler, Mechanical Discipline Lead, Lead Estimator	3,000
1.10	Club Car Parking and Charging Station	EPCI, Electrical	Project Manager, , Scheduler, Estimator	4,073
2). FLUOR DANIEL PHILS.				
2.1	BASF Lemongrass Processing Plant Project – Kuantan Malaysia	EPCI, FEED – Piping and Equipment	Piping Designer	N/A
3). B/E AEROSPACE B.V AIRCRAFT INTERIORS MANUFACTURING				
3.1	AIRBUS XWB A350 Galley Aircraft	Design and Assembly of Galley Structure, Mechanical and Electrical Parts	Mechanical Designer, Assembler, Team Lead (Acting) for Manufacturing Galley Production	N/A
4). EEI CONSTRUCTION DIVISION – MECHANICAL DEPARTMENT				
4.1	Foster Wheeler-GLNG Upstream Projects (Australia)	Piping Fabrication, Installation	Estimator, Scheduler	32,000,000
4.2	Technip (Air Products) Skid and Module Fabrication (Australia)	Skid, Module and Piping Fabrication	Estimator, Scheduler	20,000,000
4.3	Barzan Onshore Projects (Qatar)	Piping Fabrication, Installation	Estimator, Scheduler	30,000,000
4.4	Sunlife Financial Building	Plumbing	Estimator, Scheduler	50,000
4.5	RCBC Savings Bank Corporate Center	Plumbing	Estimator, Scheduler	N/A
4.6	Hyundai Fired Power Station	Plumbing	Estimator, Scheduler	N/A
4.7	50 Tons CO2 Tank-Coca-Cola Bottlers Philippines Incorporated	Design and Estimate of Pressure Vessel	Estimator, Scheduler	N/A
4.8	8700 HLS Beer Tank San Miguel Brewery Inc.	Design and Estimate of Storage Tank	Estimator, Scheduler	N/A
4.9	Petron Bataan Refinery Benzene Tank	Design and Estimate Storage Tank for Benzene	Estimator, Scheduler	N/A
4.10	JG Summit Storage Tanks Batangas	Design and Estimate Storage Tanks	Estimator, Scheduler	N/A