

JACOB B. DEQUITO

Registered Mechanical Engineer

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Dasmariñas Cavite, Philippines

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EXPERIENCE SUMMARY:

Mechanical Engineer with more than 10yrs. professional experience in different industry such as (Engineering Services, Piping, Power Generation, Manufacturing, Chemical/Oil Treatment and Fabrication/Installation of different Heat Exchanger and Pressure Vessel). Have good interpersonal and leadership skills and can effectively interact and establish professional business relationship with internal and external clients. An accomplished team player and works well in a multi-national and multi-discipline environment. Have an excellent command of written and spoken English. Highly analytical, dedicated; can work under pressure and with excellent organizational skills.

MHI POWER (PHILIPPINES) PLANT SERVICES CORP.

Group Company of MITSUBISHI POWER

San Roque, Bauan Batangas

MHI Power (Philippines) Plant Services Corporation is a newly established corporation that is engage in the procurement, transportation, installation, erection, construction, project supervision and management and any other services including but not limited to technical advisory services, technical training for operation and maintenance, administration, maintenance of thermal power plants/stations or any other plants.

MHI Power (Philippines) Plant Services Corporation is an affiliate of Mitsubishi Power (Philippines) Inc., acknowledged as a leader in design and manufacturing of Power Boilers and Industrial Boilers in the Philippines.

Construction Engineering Supervisor (February 2021- present)

- Responsible in Plant outage construction, repair & maintenance and installation of equipment in the plant.
- Ensured all repair, maintenance and modification jobs are completed as per schedule.
- Perform and generate tender documents for subsequent projects.
- Managed the project schedule from planning up to execution stage.
- Managed sub-contractor's performance to achieved the project as per set schedule
- Interfaced with the client and sub-contractor for the everyday site activities
- Supervise all the site work activities for the effective completion of the project.
- Ensure internal and external resources to support the project and maintenance activities.
- Performed and witnessed site testing of various mechanical equipment static and rotating.
- Supervise several trades groups (Welder, fitter, electrician, iron workers, millwright, etc.)
- Conduct and attend site inspection for bidding and estimation.
- Lead safety system and processes that support achieving our continually improving goals.
- Perform other duties that may be assigned time to time.

Project Handled:

Project Name: AP Renewables Inc., U2 Steampath Modification (On-shore)
Jan. 2025- March 2025

Project Name: Sem-Calaca U2, Replacement of S18 LTSH Inlet Header
March. 2024- April 2024

Project Name: PAG3, Installation of Water Canons & Soot Blower
Dec. 2022- Feb. 2023

Project name: Sem-Calaca U2, Boiler Retubing Works S29 & S34 Panel and Welding of Dissimilar Tubes
Feb. 2022- Mar. 2022

Project Name: AP Renewables Inc., U7 Re-blading of 20MW 1st. stage
Groove welding and blades replacement.
Aug. 30, 2021 – Sept. 2021

Project Name: Energy Development Corp., 3rd. Stage Blade Replacement
Sept. 2021 – Oct. 2021

Project Name: AP Renewables Inc., U1 Steampath Modification (On-shore)
Nov. 2021- Dec. 2021

Project Name: Various Emergency Plant Shutdown works

On the Job Training (June – August 2024)

Mechanical Engineer Specialist

2x1000MW Coal Power Plant, Bhimasena Power Indonesia
Central Java, Indonesia

- Performed overhauling of Primary Air Fans
- Performed overhauling of Forced Draft Fans
- Performed opening of duct and discharge manhole
- Performed removal and reinstallation of fan casing/cover
- Performed removal and reinstallation of moving blades
- Performed unbolting and bolting of mechanical equipment
- Performed cleaning of moving blade mechanism
- Familiarization in tools and equipment needed in overhauling works
- Performed other duties as per superior advice

ATLANTIC GULF and PACIFIC (AG&P)

Simlong, Batangas City

Project Name: JG Summit Petrochemical Expansion 1 Project

AG&P provides engineering and project management services for LNG and other infrastructure.

Mechanical/Piping Superintendent (December 2019 – March 2020)

- Plans, reviews and administer Turn Around shutdown (TAR), construction and erection activities in the site to optimize resources and minimize the cost.
- Plans and allocates appropriate manpower, tools, equipment and resources for the project
- Ensures the construction/erection works are compliance to design, specification and quality.
- Coordinates with other sections in operations to make sure problems are solved in time.
- Assist in the review of construction / erection procedures and work instructions to improve operating quality and efficiency.
- Reports regularly to the construction manager the progress performance report.
- Performs other duties that may assigned time to time.

BILFINGER DEUTSCHE BABCOCK SERVICE ARABIA

4x625MW Steam Power Plant

Saudi Electric Company-Qurrayah Plant 1

Kingdom of Saudi Arabia-Eastern region

Bilfinger is an international industrial services provider. Bilfinger's comprehensive portfolio covers the entire value chain from consulting, engineering, manufacturing, assembly, maintenance and plant expansion to turnarounds and digital applications.

The company delivers its services in two service lines: Engineering & Maintenance and Technologies. Bilfinger is primarily active in Europe, North America and the Middle East. Process industry customers come from sectors that include energy, chemicals & petrochemicals, pharma & biopharma and oil & gas.

Junior Site Manager (Nov. 2017 – June 2019)

- Responsible in administration and Plant Outage Test and Inspection of equipment in the plant.
- Handling 100+ skilled Manpower for Test and Inspection and Manpower Supply.
- Prepare plant outage maintenance report and activities.
- Calculate, prepare and submit project price proposal to the client.
- Arranged and planned Manpower needed for the Project and supply.
- Coordinate and update client regarding the maintenance outage activities.
- Monitor and ensure that all maintenance work is carried out efficiently and speedily.
- Supervise in Testing and Commissioning of Static and Rotating Equipment.
- Ensure areas for maintenance are properly controlled to avoid unnecessary untidiness, limit hazards in maintenance areas to minimum.
- Ensure that all staff at Plants has the correct safety equipment and tools for the job to be perform.
- Plans and schedules assignments by priorities, skills of workforce and the availability of materials, parts and equipment.
- Assist in the planning, implementing and administering policies for personnel, training & safety.
- Maintain records and prepare reports and submit to Project manager and to Client.
- Prepare orders for mechanical parts as required.

BILFINGER DEUTSCHE BABCOCK SERVICE ARABIA

5,600MW Oil Fired Steam Power Plant Saudi Electric Company-Shoaiba Plant

Kingdom of Saudi Arabia-Jeddah West

Mechanical Engineer (Nov. 2016- Nov. 2017)

- Responsible in Plant outage maintenance and repair of equipment in the plant.
- Conduct repair and maintenance in mechanical equipment such as Boiler, ESP, HRA and Rotating Equipment.
- Monitor and ensure that all maintenance work is carried out efficiently and speedily.
- Follow planned maintenance requirements of clients and activities based on the contract.
- Ensure areas for maintenance are properly controlled to avoid unnecessary untidiness, limit hazards in maintenance areas to minimum.
- Ensure that all staff at Plants has the correct safety equipment and tools for the job to be performed.
- Plans/ schedules by priorities, skills of workforce & the availability of materials, parts and equipment.
- Assist in the planning, implementing & administering policies for personnel, training & safety.
- Maintain records and prepare reports and submit to Site and Project manager.
- Review work progress and makes final inspection.
- Prepare orders for mechanical parts as required.
- Technical support for non-routine Maintenance activities.
- Develop and create the Maintenance SOP.
- Develop and create Maintenance monitoring form.
- Support for estimation and planning for additional work.

KEPCO KPS PHILIPPINES CORP.**2 x 135 MW CFB Coal Fired Power Plant South Luzon Thermal Energy Corporation
Calaca Batangas**

KEPCO KPS Philippines Corp., a local company 100%-owned by KEPCO Plant Service and Engineering Company, Ltd., which is an international contractor that provides operation, maintenance, rehabilitation, and repair services, among others, to power plants. Our mother company is a member of the 2014/15 Dow Jones Sustainability Indices (DJSI Korea).

Mechanical Engineer (Jan. 2015 – August 2016)

- Responsible in Monitoring of the Plant Maintenance Activities.
- Conduct trouble shooting in Boiler, ESP, HRA and Auxiliaries.
- Mechanical experience in (Maintenance, Repair and Overhaul work).
- Assist in the preparation of shutdown maintenance planning and execution
- Prepare and update the Plant Maintenance shutdown activities.
- Monitor the Plant Generation and Consumption.
- Also prepare the weekly and monthly technical report submitted to Engineering Manager.
- Coordinate with contractor's onsite inspections and repair and maintain jet cleaning.
- Carry out preventive maintenance works in accordance to preventive maintenance program.

**RFM CORP- Private Label Mfg. Division
Pasig City**

RFM Corporation is a publicly listed food and beverage company in the Philippines. RFM is a manufacturer of flour and flour-based products, milk, juice drinks, and ice cream.

Maintenance Planner (Mar. 2014 – Dec. 2014)

- Monitor the plant operation and maintenance.
- Provide technical report to engineering supervisor regarding the maintenance activities.
- Prepare the monthly efficiency report of Maintenance Department.
- Prepare the scope of works and estimation of the project.
- Implement and monitor the weekly, monthly and annual preventive maintenance.
- Supervise in the installation of new machine and equipment and conduct daily inspection in the plant.

**Philippine National Oil Company – Alternative Fuels Corporation (PNOC-AFC)
Non – Combustion Persistent Organic Pollutants (POPs) Project
Bataan Mariveles, Philippines**

The Philippine National Oil Company was created in 1973 to ensure an adequate supply of oil and oil products to sustain the economy's growth and the nation's social well-being. Since then, amendments have been made to its charter to include the country's exploration, exploitation, and development of all energy resources.

Process Operator/Technician (Sept. 2011- Feb., 2014)

- Perform the plant solvent (Perchloroethylene) recovery system, Sodium metal handling and sodium dispersion manufacturing system, monitor and record the data of the system (i.e volume, temperature and pressure).
- Operate of boiler, burner, chiller, air compressor and pumps, control equipment to regulate the flow and pressure of liquid lines and related cooling equipment.
- Monitor the equipment functioning and observe temperature, pressure, level and flow gauges and perform regular unit checks in order to ensure that all equipment is operating in normal condition.
- Familiar in instrumentation, control devices and different kind of field mounted sensors and

- Have a good knowledge in the plant safety & regulations, execute the Mechanical Safety standards, Analyze and recognize engineering drawing and P&ID drawings.

Beauchem Thermtech Group, Inc. is a Philippine company that specializes in combustion and environmental engineering and provides solutions through process automation and systems improvement.

- Supervise project installation and commissioning of Boiler, burner, shell tube condenser and Dryer.
- Prepare the field service report and coordinate the status of the project in our client.
- Conduct de-sooting, hydro-test of the steam boiler and heat exchanger, overhauling of the burner.
- Have knowledge in the processing of the Permit to Operate of the Pressure Vessels.
- Conduct tool box meeting before start the activities.
- Implement safety rules on project and during servicing in the customer plant.
- Performed safety inspections in the plant and routine maintenance on tools and equipment used.
- Check and prepare the work permit before starting the activities.

ELEMENTARY: Anaby 1st. elementary School 1994-2000

Actual Training overhauling works	July 6 – Aug. 6,2024
Project Management	Sept. 19-20, 2019
Primavera P6 R8.2	June 18 - July 2, 2017
Fire Safety and Emergency Response Training	May 4, -11 2016
Continuing Environmental Programs for PCO	August 20-22, 2014
Pollution Control Officers Training Course	July 15-18, 2014
Training in Instrumentation and Control Devices NC II	May 20-June 1, 2013
National Certificate II in Instrumentation and Control Devices	June 1, 2013
Basic Occupational Safety and Health Training-Const.Site	May 23-27, 2011
Knowledgeable in AutoCAD	

Birth date: May 14, 1987
Birthplace: Anabu 1-E, Imus Cavite
Age: 38yrs. Old
Nationality: Filipino
Civil Status: Married
Religion: Iglesia Ni Cristo
Height /Weight: 5 '6"/70kg
Driver's License: Non-Professional Language/dialect:
Language: Tagalog, English