



FRANCIS ERIC S. DE GUZMAN

Registered Mechanical Engineer
Safety Officer 2

Laoac, Pangasinan, Philippines

(+63) 908-552-7842

deguzman.fsd@gmail.com

ABOUT ME

Dedicated, goal-oriented, and versatile Mechanical Engineer with experience not only in the mechanical engineering practice but also in electrical engineering. I'm a passionate and motivated professional who values lifelong learning and personal growth. Constantly seeks new challenges and opportunities to expand my skills and knowledge in various fields. Experienced in testing, operations, and maintenance of battery energy storage system plant and refrigeration system industrial plant.

WORK EXPERIENCE

SAN MIGUEL CORP GLOBAL POWER HOLDINGS INC.

San Manuel, Pangasinan
Mar 2021 – Present

Monitoring & Control Center Operator

Battery Energy Storage System

- Witnessed installation, testing, and commissioning of different high-voltage equipment and cables for high, medium, and low voltages.
- Operates the plant to ensure its efficient operation as an ancillary service plant mainly for Frequency Control of the Transmission Grid.
- Work alongside NGCP and EPC contractor during testing & commissioning of the plant.
- Assisted during punch listing activities and checking of as-built diagrams.
- Observing/monitoring different parameters and readings on HMI/SCADA, relays, & protection units.

SAN ROQUE HYDROELECTRIC POWER PLANT

San Manuel, Pangasinan
Mar 2020 – Apr 2020

Cadet Engineer

Mechanical Maintenance Department

- Participated in toolbox meetings.
- Prepared work permits and job hazard analysis
- Assisted in the preventive maintenance activities.

SAN VICENTE DRESSING PLANT

San Jacinto, Pangasinan
Mar 2018 – Jun 2018

On-the-Job Trainee

Refrigeration System

- Operated and monitored different refrigeration system components (compressor, condenser, cooling tower) ensuring that the machineries perform at optimal levels.
- Prepared daily accomplishment reports.
- Designed and prepared Heat Load Calculations for the proposed ice plant.
- Assisted in the annual preventive maintenance of the industrial plant.

EDUCATION

MAPUA UNIVERSITY

Intramuros, Manila
Aug 2023 – Present

Master of Science, Mechanical Engineering

Major in Renewable Energy & Sustainable Technologies

UNIVERSITY OF LUZON

Dagupan City
Jun 2014 – Nov 2018

Bachelor of Science, Mechanical Engineering

Dean's Lister
Quizzer

JUAN G. MACARAEG NATIONAL HS

Binalonan, Pangasinan
Jun 2010 – March 2014

High School Diploma

Outstanding Student Awardee
Special Science Class (STEM strand)

LICENSES & TRAININGS

PRC LICENSE

Feb 2019

Mechanical Engineering Licensure Examination

Ratings: 88.30%

SAFETY OFFICER 2

Jan 2024

Basic Occupational Safety & Health Training

PERSONAL DETAILS

Date of birth

February 13, 1998

Nationality

Filipino

Marital Status

Single

SKILLS

AutoCAD



MS Office



Solidworks



ORGANIZATION

Philippine Society of
Mechanical Engineers