



IAN E. DEGARA

Desired Position: Mechanical Engineer
Available Hiring with Transferable Iqama

Mobile Phone No. : +966 55 040 7628

Current Address: Riyadh, Saudi Arabia

Email Address: ian.degara@yahoo.com

OBJECTIVE:

Position in Mechanical Engineer, providing the opportunity to contribute strongly by utilizing and expanding upon related education, technical skills, work experiences, and capabilities.

EMPLOYMENT HISTORY:

Date : March 11, 2024 to July 1, 2025
Position : Mechanical Infrastructure Estimation Engineer
Name & Address of Employer : Abyatona Development Contracting Company
Riyadh, Saudi Arabia
Business : General Contractor (Infrastructure and Building Projects)

Duties and Responsibilities:

- Study and evaluate the scope of work in tender documents such as SOW, drawings, and technical specifications.
- Perform quantity take-off from drawings and prepare Bill of Quantities (BOQ).
- Prepare Inquiry Packages, ensuring inclusion of item descriptions, quantities, technical specifications, and drawings.
- Send inquiries to suppliers/vendors and manage technical and commercial queries.
- Maintain inquiry status and follow up with suppliers.
- Conduct technical and commercial evaluations of quotations; prepare comparison sheets.
- Negotiate prices with suppliers.
- Serve clients, including Neom, National Housing Company, Royal Commission, and Qiddiyah Investment Company, among others.

Date : April 11, 2021 to February 14, 2024
Position : **Mechanical Engineer (Estimator)**
Name & Address of Employer : Mohammed A. Al Swailem Company
Riyadh, Saudi Arabia
Business : General Contractor (Infrastructure and Building Projects)

Duties and Responsibilities:

- Study and evaluate the scope of work in tender documents such as SOW, drawings, and technical specifications.
- Conduct site visits and surveys to assess site accessibility and availability of services.
- Perform quantity take-off from drawings and prepare Bill of Quantities (BOQ).
- Prepare Inquiry Packages, ensuring all supporting documents like item descriptions, quantities, technical specifications, and drawings are included.
- Send inquiries to suppliers/vendors and address technical and commercial queries.
- Maintain inquiry status and follow up with suppliers.
- Evaluate technical and commercial aspects of quotations; prepare comparison sheets.
- Negotiate prices with suppliers.
- Manage client relationships, including Saudi Aramco, Neom, Red Sea Development Company, National Housing Company, Royal Commission, Qiddiyah Investment Company, Samsung, etc.

Date : April 22, 2019 to April 3, 2021
Position : **Mechanical Engineer**
Name & Address of Employer : Faisal Electro-Mechanical Company
Al Khobar, Saudi Arabia
Business : General Contractor (Civil Works & Mechanical Works)

Duties and Responsibilities:

Procurement Engineer/ Mechanical Engineer

(Project Name: Contract No. PIC F-8170 Construction & Equipping of Environmental Safety & Control Department Building at Royal Commission, Yanbu Al-Sinaiya, Saudi Arabia)

(June 2020 to April 3, 2021)

- Contact suppliers to solicit quotations.
- Prepare price comparisons.
- Generate purchase orders.
- Follow up with suppliers to coordinate delivery schedules and address any issues.
- Receive and inspect material deliveries.
- Prepare prequalification and material submittals for mechanical materials.
- Develop method statements for HVAC, fire sprinkler, drainage, and plumbing systems.

Mechanical Engineer

(Project Name: Medical Complex for the Medical Faculty Students at Imam Abdulrahman Bin Faisal University, Dammam, Saudi Arabia)

(April 2019 to June 2020)

- Prepare material take-offs for HVAC piping systems, fire sprinkler systems, drainage and plumbing systems, and medical gas systems.
- Compile prequalification and material submittals for mechanical materials.
- Develop method statements for HVAC, fire sprinkler, drainage, and plumbing systems.
- Create MEP shop drawings.
- Verify fire sprinkler system design calculations and FM200 design calculations.
- Supervise the installation of HVAC ducting, chiller piping, AHU piping, fire protection piping, FM200 piping, domestic water supply piping, drainage system piping, and medical gas piping.
- Conduct air tests and hydro tests.

Date : January 28, 2018 to April 15, 2018
Position : **MEP Engineer**
Name & Address of Employer : ACME Engineering Consultancy
Muscat, Oman
Business : Consulting Firm (Engineering & Design)

Duties and Responsibilities:

- Prepare HVAC system designs using HAP Software by Carrier and fire sprinkler system designs using manual calculations and Elite Software.
- Develop HVAC ducting layout designs and piping layout designs.
- Create fire protection sprinkler and piping layout designs.
- Design water system piping layout.
- Prepare Bills of Quantities (BOQ) for projects.

Date : October 20, 2014 to May 27, 2016
Position : **Mechanical Engineer Consultant**
Name & Address of Employer : Dar Engineering
Riyadh, Saudi Arabia
Business : Consulting Firm (Engineering & Design)
Project Cochlear Implant Unit in King Fahad Medical City

Duties and Responsibilities:

- Check and approve shop drawings submitted by contractors, including layouts for fire protection piping, FM200 piping, HVAC ducting, domestic water supply piping, drainage system piping, and medical gas piping.
- Verify HVAC system design calculations, fire sprinkler system design calculations, and FM200 design calculations.
- Prepare HVAC system designs using HAP Software by Carrier and fire sprinkler system designs using manual calculations and Elite Software.
- Conduct weekly coordination meetings with clients, co-consultant engineers, and contractor engineers.
- Review and approve Bills of Quantities (BOQ).
- Approve materials and equipment submissions from contractors for HVAC, fire protection, FM200, plumbing, and medical gas systems as per project technical specifications.
- Supervise the installation of HVAC ducting, chiller piping, AHU piping, fire protection piping, FM200 piping, domestic water supply piping, drainage system piping, and medical gas piping.
- Oversee the installation of equipment such as chillers, AHUs, fire protection systems, FM200 systems, domestic water supply systems, and medical gas systems.
- Inspect and approve rough-in inspections and hydro test inspections for fire protection pipelines, domestic water supply pipelines, and gravity tests for drainage pipelines.
- Inspect and approve rough-in inspections and air pressure test inspections for medical gas pipelines.
- Inspect and approve rough-in inspections and hydro test inspections for chiller pipelines and AHU pipelines.
- Conduct testing and commissioning of fire protection pipelines, water supply pipelines, drainage system pipelines, and medical gas pipelines.

Date : March 16, 2011 to September 30, 2012
Position : **Mechanical Engineer (MEP Engineer)**
Name & Address of Employer : Sky Oryx Joint Venture (Taisei - TAV)
CP18 PO Box 55873, CP-18 Project Office, Doha, Qatar
Business : Main Construction Contractor of CP-18 Main Terminal Building
New Doha International Airport Project

Duties and Responsibilities:

- Supervise the installation of HVAC ducting, chilled water piping, fire protection piping, domestic water piping, and sanitary piping.
- Oversee the installation of waste vacuum piping.
- Prepare Requests for Inspection (RFI) for fire protection pipelines, HVAC ducting, chilled water pipelines, AHUs pipelines, FCUs & CRAC units pipelines, FM200 pipelines, domestic water pipelines, and sanitary pipelines.
- Supervise equipment installation, including FCUs, AHUs, CRAC units, fire protection systems, FM200 systems, and domestic water supply.
- Perform air tests and hydro tests for fire protection piping.
- Conduct hydro tests for domestic water pipelines and gravity tests for sanitary pipelines.
- Verify HVAC system design calculations, fire sprinkler system design calculations, and FM200 design calculations.
- Prepare HVAC system designs using HAP Software by Carrier and fire sprinkler system designs using manual calculations and Elite Software.
- Create shop drawings using AutoCAD.
- Manage projects to ensure adherence to schedule and take corrective actions when deviations occur.
- Monitor daily activities and on-site progress.
- Ensure quality assurance and subcontractor performance.
- Coordinate with subcontractors to ensure project milestones are met according to schedule, as per weekly progress monitoring meetings.
- Attend weekly coordination meetings with main contractor engineers, subcontractor engineers, and consultant engineers (Bechtel Overseas Corporation & KEO International Consultants).

Date : October 27, 2008 to October 26, 2010
Position : **Mechanical AutoCAD**
Name & Address of Employer : Grain Silos & Flour Mills Organization
King Fahad Road, Alsolia, PO 3402, Riyadh, Saudi Arabia
Business : Flour Mills Processing Plant

Duties and Responsibilities:

- Prepare a drawing of the General Site Layout for the Proposed Plant Project.
- Prepare drawings and specifications for standard-designed details.
- Develop a Planning Schedule for the proposed project.
- Monitor the installation of Equipment and Machinery as per plan details.
- Coordinate with Contractors and Subcontractors for the as-built drawing of equipment and machinery.
- Supervise Hydraulic Equipment, Pneumatic Machinery, and Pneumatic Pipelines.
- Conduct on-site plant inspections for machinery rehabilitation and work progress, ensuring quality workmanship.
- Prepare drawings for modification details and specifications.

Date : August 5, 2007 to October 15, 2008
Position : **Mechanical Engineer**
Name & Address of Employer : RJS Industrial Construction & Development Corporation
km. 18, Tibungco, Davao City 8000, Philippines
Business : General Contractor (Civil Works & Mechanical Works)

Duties and Responsibilities:

Mechanical Estimator

- Prepare Cost Estimates (Materials, Labor, Equipment, Consumables, and others) for various projects, including:
 - Project Stainless Packaging Conveyor.
 - Caltex Gasoline Station.
 - Industrial Processing Plant Machinery.
 - Project Rehabilitation Packaging Conveyor.
 - Davao Sugar Central Company
 - Agumil Proposed Project Fabrication and Installation of Kennel Silo, Clarifier Tank, Bucket Elevator, and Warehouse Extension.
 - Insular Oil Company
 - Project Oil Depot – 1.2 Million Liters Capacity of Diesel Tank
 - 1.0 Million Liters Capacity of Gasoline Tank
 - 1200 Kilo Liters Capacity of Bio-Diesel Tank
 - Holcim (Cement Plant).
 - Franklin Baker (Processing Plant).
 - Phoenix Oil Company.

Piping Engineer

(Project: Insular Oil Company)

- Prepare shop drawings and technical specifications for Tanks, Pipelines, Pumps, Pipe Trenches, Pipe Supports, etc.
- Supervise fabrication and installation of Piping, Pressure Vessel Tanks, Flanges, Fittings, Pumps, Pipe Supports, etc.
- Supervise fabrication, installation, and erection of Shell Tanks.
- Monitor and inspect work progress and quality for fabrication, erection, and installation of Tank shells, Pipelines, Pumps, Flanges, Fittings, etc.
- Monitor project schedule and activities for progress.
- Coordinate meetings with the Owner and Engineers for project updates.

Project Mechanical Engineer

(Project: Cotabato Sugar Central Company)

- Prepare shop drawings for Tanks, Piping, Pumps, Pipe Trenches, Pipe Supports, etc.
- Supervise fabrication works according to shop drawings and specification details.
- Supervise fabrication, installation, and erection of Tanks, Mud Tanks, Structural Steel, Piping, Cyclone Scrubbers, Conveyors, Vessel Tanks, and other Industrial Machinery.
- Supervise sandblasting and painting works for Tanks, Cyclone Scrubbers, and other Machinery.
- Prepare daily reports detailing manpower activities and project progress.

Date : August 2, 2004 to August 3. 2007
Position : **Mechanical Engineer**
Name & Address of Employer : IED Engineering Sales and Services
Don Ramon Village, Panacan, Davao City (Phils.)
Business : General Contractor (Civil Works & Mechanical Works)

Duties and Responsibilities:

- Prepare materials and cost estimates for projects.
- Create Bidding Quotations for Proposal Projects based on the Client's requirements.
- Supervise ongoing projects on-site to ensure adherence to plans and specifications.
- Oversee Hydraulic Equipment, Pneumatic Machinery, and Pneumatic Pipelines for proper installation and functionality.
- Manage Mechanical works, including fabrication and installation of Pressure Vessel Tanks, Piping, Pumps, Blowers, Water Treatment Tanks, and other Industrial Machinery.
- Generate weekly progress reports to monitor project milestones and updates.
- Supervise preventive maintenance of Pipelines, Pumps, Tanks, and other Industrial Machinery to enhance performance and durability.
- Led the construction of a Waste Water Treatment Plant (WWTP) with a capacity of 5 to 10 cubic meters per day.
- Supervise the fabrication and installation of WWTP Piping, WWTP Equipment, Water Treatment Tanks and Piping, Elevated Water Tanks, and Water Piping to ensure quality and compliance with project requirements.
- Conduct testing and commissioning of Production Machinery, WWTP, Water Treatment Plant (WTP), etc., to verify operational readiness.
- Oversee preventive maintenance of pumps, motors, piping, filters, and other equipment at WWTP and WTP to prevent breakdowns and ensure continuous operation.
- Coordinate projects for the Waste Water Treatment Plant and Water Treatment Plant, ensuring effective communication and collaboration among stakeholders.

Date : July 3, 2003 to July 30, 2004
Position : **Company Mechanical Engineer**
Name & Address of Employer : RDL Pharmaceutical Laboratory, Incorporated
Catitipan, Buhangin, Davao City (Phils.)
Business : Manufacturer of Cosmetics

Duties and Responsibilities:

- Supervise Filler Machine, Labeling Machine, Unscrambler Machine, Cartooning Machine, and other machinery to ensure efficient operation and adherence to production schedules.
- Receive and review Quotations for Outside Job Orders, evaluating cost-effectiveness and feasibility for project execution.
- Monitor Weekly Checklist Reports of Machines for Preventive Maintenance, ensuring compliance with maintenance schedules to minimize downtime and maximize operational efficiency.
- Supervise Preventive Maintenance of Motors, Pumps, Filler Machines, Labeling Machines, Unscrambler Machines, Mixing Tanks, and other machinery, implementing proactive measures to maintain equipment reliability and longevity.
- Oversee the construction of a Waste Water Treatment Plant (WWTP) with a capacity of 15 to 20 cubic meters per day, managing fabrication and installation of WWTP Piping, Equipment, Water Treatment Tanks, Elevated Water Tanks, and Water Piping to meet project specifications.
- Lead test commissioning of Production Machinery, WWTP and Water Treatment Plant (WTP), ensuring systems are fully operational and meet quality standards before deployment.
- Monitor daily operations of the Waste Water Treatment Plant and Water Treatment Process, overseeing production supply and troubleshooting operational issues as they arise.
- Prepare monthly Preventive Maintenance Reports, documenting activities, findings, and recommendations to support continuous improvement of maintenance strategies.
- Create Material Requisitions for preventive maintenance requests, ensuring timely procurement of necessary parts and supplies to support maintenance activities.

Date : August 5, 2000 to April 30, 2003
Position : **Designer/ Estimator**
Name & Address of Employer : Philippine-Japan Active Carbon Corporation
Malagamot, Panacan, Davao City (Phils.)
Business : Manufacturer and Exporter of Activated Carbon

Duties and Responsibilities:

Designer/ Estimator

- Prepare drawings of Rotary Kilns, Dust Collectors, Belt Conveyors, Chain Conveyors, Screw Feeders, Rotary Dryers, Hoppers, and other machinery for the Proposed Project, ensuring accuracy and compliance with project requirements.
- Prepare Cost Estimates (Materials, Labor, Equipment, Consumables, etc.) for the Proposed Project, utilizing detailed knowledge of project scope and specifications.
- Design and detail Screw Feeders, Belt Conveyors, Chain Conveyors, Bucket Elevators, Hoppers, and Cyclone Scrubbers, incorporating engineering principles and standards to meet functional and safety requirements.
- Design and detail Rotary Kilns and Dryers, ensuring efficient operation and adherence to project specifications.
- Prepare Project Schedule (Bar Chart), outlining key milestones and timelines for project execution.
- Receive and review Quotations for Bidding of the Proposed Project, evaluating proposals for cost-effectiveness and compliance with project requirements.
- Supervise ongoing project on-site fabrication and installation of machinery such as Misc. Cyclones, Conveyors, Tanks, Dust Collectors, and other Machinery, ensuring quality and adherence to design specifications.
- Test and commission machinery before turnover to ensure functionality and performance meet project expectations.

Mechanical Engineer Supervisor

- Supervise fabrication and installation of Bucket Elevators, Dust Collectors, Cyclone Scrubbers, Belt Conveyors, Screw Feeders, Hoppers, and other equipment, overseeing quality and adherence to project specifications.
- Supervise fabrication and installation of Pneumatic Piping, Pressure Vessel Tanks, Production Water Supply Piping, Domestic Water Piping, and other Industrial Machinery, ensuring safety and operational efficiency.
- Supervise installation of Flange Bearings in Rotary Kilns, Motors, Dust Collector Blowers, Gear Motors, and other Industrial Machinery, verifying alignment and functionality.
- Supervise preventive maintenance for Belt Conveyors, Bucket Elevators, Gear Motors, Bearings, Heavy Equipment, Motors, Pumps, and other Industrial Machinery, implementing proactive measures to minimize downtime and extend equipment life.
- Prepare Preventive Maintenance Checklists, detailing maintenance tasks and schedules to ensure systematic upkeep of machinery and equipment.
- Attend coordination meetings with Contractors, Engineering Managers, and Production Engineers to discuss project progress, resolve issues, and ensure alignment with project goals.
- Participate in weekly Preventive Maintenance Meetings, reviewing maintenance activities and addressing any operational concerns or improvements.
- Prepare Materials Requisitions for preventive maintenance requests, ensuring timely procurement of necessary parts and supplies to support maintenance activities.

EDUCATION: University of Mindanao
Matina, Davao City (Phils.)
Bachelor of Science in Mechanical Engineering
Year: 1994 – 1999

PROFESSIONAL: Member of Professional Regulation Commission (Phils.)
Registered Mechanical Engineer, License No. 0057109
Year Registered: July 7, 2000

TECHNICAL SKILLS:

- MS Office (Word, Excel & PowerPoint) and MS-Project.
- AutoCAD, AutoMEP, and Autodesk MEP.
- Computer-aided calculation of Heating, Ventilating, and Air Conditioning System Design (HVAC) using Hourly Analysis Program (HAP) from Carrier Air Conditioning and Commercial HVAC (CHVAC) from Elite Software Development Incorporated.
- Piping and Pump System Design using Manual Calculation and Computerized Methods.
- Air Distribution (Duct) System Design using Manual Calculation.
- Computer-Aided Calculation of Fire Sprinkler System Design using Fire Sprinkler System Design from Elite Software Development Incorporated and Manual Calculation.

TRAINING PROGRAMS ATTENDED:

- Computer-Aided Design of Heating, Ventilating and Air Conditioning (HVAC) Systems - July 19 – 22, 2017
- Computer-Aided Sprinkler System Design - July 18, 2017
- Fire Sprinkler System Design, and FDAS - Feb. 8, 2017
- People-Based Safety Training Course - March 2011
- Basic Safety Training - Sep. 4 – 11, 2006
- Schneider Electric Technical Seminars - Oct. 9, 2003
- Fire Prevention & Fire Drill Seminars - Jan. 30 to Feb 7, 2003

PERSONAL DETAILS:

Date of Birth : January 1, 1977
Date of Place : Norala, South Cotabato (Philippines)
Nationality : Filipino
Gender : Male
Height : 5'3" (160 cm)
Weight : 63 kg.