
CHRISTOPHER G. CARINGAL

Email: cgcaringal@yahoo.com / Current Tel. +639237355549; Permanent Tel. +639192171141 / +639175504540

DISCIPLINE: **Mechanical/Welding QCE & QC Coordinator**
Construction Superintendent (Mechanical/Piping)
QC Inspection Coordinator & Certification Engineer
Logistics & Materials Coordinator
Senior Mechanical/Piping Site Representative
Mechanical Engineer / Topsides (Lead) Supervisor
Senior Mechanical & Piping Engineer
Project Coordinator / Project Engineer (Mechanical & Piping)
Mechanical Completions Supervisor (Mechanical & Piping)
Mechanical Commissioning & Pressure Vessel Inspector
QA/QC Inspection Engineer (Mechanical, Piping, Welding, Coating)
Construction Engineer / Supervisor (Mechanical & Piping)

LOCATION: **Philippines**

QUALIFICATIONS:

Batangas State University (formerly PBMIT), Philippines
Bachelor of Science (BSc) in Mechanical Engineering

Professional Regulatory Commission (PRC), Philippines
Registered Mechanical Engineer

American Petroleum Institute (API), USA
Authorized Pressure Vessel Inspector – API 510

IDC Training House Sdn. Bhd, Selangor, Malaysia
Training & Certification Preparation Program
API 580/581 Risk Based Inspection Professional

International Institute of Welding, UK
Diploma in Welding Inspection

The Welding Institute (TWI), UK - Certified CSWIP 3.1 Welding Inspector

The Welding Institute (TWI),UK- Certified BGAS-CSWIP Grade 2 Senior Painting/Coating Inspector

Bureau Veritas accredited by IRCA, UAE - Certified ISO 9001:2000 QMS Lead Auditor

Technical Education and Skills Development Authority (TESDA), Philippines
Certified Instrumentation & Control (I & C) NCII

Crown Systems International – Primavera Training Department, Philippines
Certified in Planning & Project Management

COADE, Inc, USA – IOCS Asia Ltd, Thailand – Certified Pipe Stress Engineering Analysis

Flowmaster, UK – IOCS Asia Ltd, Thailand – Certified Flow Surge Prediction Course

ABCC, Philippines - Certified AutoCAD Draughtsman / Designer

Philippine Society of Mechanical Engineers (PSME)
American Society of Mechanical Engineers (ASME)
Welding & Joining Society (WJS)
UAE Society of Engineers

Training and Seminars: Pipes Stress Analysis (CEASAR II) and Surge Flow Prediction (Flowmaster) Course, Coade, Inc. & IOCS Asia, Ltd; Welding Inspection, The Welding Institute; Non-Destructive Testing (NDT), Philippine Society of Non-Destructive Testing; Steam Generation & Energy Conservation, Philippine Society of Mechanical Engineers; Tribology & Development in Thermal Deposition, Philippine Society of Mechanical Engineers; Compressed Air Technology, Ingersoll-Rand Philippines, Inc; Safety Engineering & Management, CALTEX Phils., Inc, Batangas City, Philippines; Leadership in Focus Training VIII, Council of Leaders, Batangas City, Philippines; Dolphin Energy Limited Safety Modules Training (General Safety, Job Hazard Analysis, Risk Assessment, Behavioural Safety, Management in HSES)- JGC Middle East FZE Training Center; Basic MEDIC First Aid with AED, Occupational Health, Dolphin Energy & TengizChevrOil; H2S & SCBA Training Course, TengizChevroil, Tengiz, Kazakhstan; Defensive Driving Training, Qatar Petroleum (QP) & TengizChevrOil Driving Permit

CAREER PROFILE:

Over twenty –five (25) years extensive experience in Offshore, Turnaround, Engineering, Construction, QA/QC & Commissioning related to Oil & Gas industries, Utilities / Power Plant, Petrochemicals, Petroleum Refinery, Water treatment plant, Desalination & Water Projects, Pumping Stations, Pipelines, Offshore Barge Modules, Flare & Pipe Racks, FPSO, SURF, Turret and other related industrial projects. Exposed on design, installation/supervision, inspection & testing of piping, fixed equipment (i.e., pressure vessels, columns/towers including trays & all internals, heat exchangers, boilers/steam generators, etc.) & rotating equipment (i.e., pumps, turbines, compressor, blowers, etc.), tanks, steel structures, pre-commissioning/commissioning & integration activities, quality assurance/quality control and quality management system (QMS) to ISO 9015. With working knowledge and hands-on experience on piping design using manual and computer aided / operated design programs such as CEASAR II, Flowmaster, Instrucal, Hevacomp & etc. Conversant with the International Codes and Standards such as ASME, AISC, API, AWS, BS and different government standards. Well versed on using project documentation system like Documentum, EDAM, EDMS, IMIS, ACS, IPMS, MIPS, ICAPS, INDRA, & etc.

DUTIES BRIEF: Establishing and implementation of the project total quality management system (QMS) Ensure that all method statements / procedures, installation manuals and ITP comply with project specifications, local regulations and meet the requirements of international codes and standards as minimum; Verifies and validates site activities and ensure the implementation of all approved procedures and ITP's related to mechanical (static/fixed & rotating equipment), piping, steel structure, maintenance cranes and welding activities; Supervise installation works for piping, mechanical, structural and cathodic protection; Review all intervention points stipulated on ITP'S and ensures that relevant inspection and surveillance are covered as required by specification and codes; Review of Welding and NDE Procedures; Witnessing of PQR and Welder's Qualification Test; Monitors all welding activities on shop and at site. GRP Piping installation, inspection and testing specialist (all types of joints); Observe, monitor and perform necessary inspections or surveys at site; Prepare and issue Non-conformance Report (NCR), Field Trouble Report (FTR) and Quality Deficiency Report (QDR) as necessary; Participate on internal & external audits of sub-contractor; Coordinate with contractor's engineer and inspectors; Attends kick-off meeting, pre-construction, coordination meeting and QA/QC meetings; Preparation and review of test packages, dossiers and handover documents. Perform all necessary 90% and final walkdown inspection prior to commissioning of all mechanical items. Carry-out inspection of pressure vessel internal and external. Complete all check sheets prior to start-up. Resolve technical queries/issues on engineering and site related activities.

Ensure that all materials are as per project specifications and that preservation requirements for all equipment are being observed.

CAREER HISTORY

Feb 2021 up to present **GN Power Dinginin. Ltd.**
Mariveles, Bataan, Philippines

GNPD 2 x 660 MWatts Super Critical Boiler Coal-fired Unit Project

The project is called the GNPower Dinginin Power Station and will occupy approximately sixty (60) hectares of land, located at Sitio Dinginin, Barangay Alas-asin, Municipality of Mariveles in the Province of Bataan. The Facility is located approximately five (5) km southeast of the town of Mariveles adjacent to North Channel to Manila Bay.

The Project shall consist of two (2) unit of 725 MW gross capacity and the following facilities: Coal unloading jetty and coal yard, Industrial Waste Water System, Sea Water Desalination System, Raw Water Pre-treatment System, Fuel Oil System, Process Air and Instrument Air Systems, Condensate Polisher System, Chemical Dosing System, Sea Water Electro-chlorination, Sea Water Cooling System, Sea Water Flue Gas Desulfurizer, etc.

Mechanical/ Welding QCE & QC Inspection Coordinator

Employed as client's representative to coordinate / liaise with EPC contractor, lead at least sixty (60) owner QC inspectors and interface with other discipline QC Engineers (i.e., Civil, Balance of Plant, Electrical / Control & Instrumentation). Establishing and Implementation of the project total quality management system (QMS). Supervise four (4) technical clerks providing registers, documents required by inspector, statistics for weekly and monthly reports and other support for quality department. Reviews method statement and approve inspection and test plans (ITP). Check all relevant quality verification records (QVR) and ensure its compliance to QMS, approved procedures. Prepare and issue necessary deficiency/surveillance reports, non-conformance (NCR). Resolve technical issues on-site with construction and engineering team. Perform inspection on site (as necessary) and arrange meetings to address quality concerns raised during VPC. Carry out analysis, quality trend and key performance indicators. Attend meetings (i.e. project planning, strategic, operational, et.) with senior management team. Direct interface with all owner's manager (i.e. project manager, engineering, construction manager, project controls, etc.). Provide project weekly and monthly reports as necessary for all stake holders and project updates. Carry-out regular internal and external audits (i.e. owner and EPC contractor respectively) as planned by QA improvement engineers in accordance to defined schedule. Interface with offshore and manufacturing inspectors. Interface with construction, commissioning, O&M, QA team for mechanical completion and work turn over packs until pre-com and commissioning phase of the project. Performs other administrative work to support owner/client inspection team and additional tasks as required by project quality manager (PQM).

Oct 2020 - Feb 2021 **Atlantic Gulf & Pacific Co.**
San Roque, Bauan, Batangas
Construction Superintendent (Mechanical/Piping)

Thai Oil Clean Fuel Project (Sriracha Refinery, Thailand) - Module Fabrication Work

The project is fabrication, construction/installation and pre-commissioning activities of thirty-five (35) modules for the Sriracha Refinery in Thailand. Upon completion, all modules will be transported to its final destination via sea.

Responsibilities: Employed as the mechanical superintendent in-charge of all mechanical / piping activities including receiving and preservation. Responsible also in preparing/monitoring, packaging of ship loose items for all discipline (i.e. fabricated steel structure, pipe spools, electrical &

instrumentation, etc.). Ensure that preservation and installation of all equipment are in accordance with the project specification. Prepare required method statement or procedure required by the project for mechanical / piping scope (e.g. installation, preservation). Prepare resources / manpower requirement, installation sequence and coordinates with the planning / projects control for work schedule of mechanical installation. Provide all required reports by the management. Coordinate with other discipline and with engineering for any technical issues. Liaise with logistics department for incoming and outgoing materials for mechanical scope. Carry out interviews for manpower (i.e. engineer, supervisor, foreman, and skilled workers) required in mechanical scope. Attend all relevant meetings. Perform all other task as required by the construction manager / project manager.

Dec 2017 – Feb 2020

**GN Power Dinginin. Ltd.
Mariveles, Bataan, Philippines**

GNPD 2 x 660 MWatts Super Critical Boiler Coal-fired Unit Project

The project is called the GNPower Dinginin Power Station and will occupy approximately sixty (60) hectares of land, located at Sitio Dinginin, Barangay Alas-asin, Municipality of Mariveles in the Province of Bataan. The Facility is located approximately five (5) km southeast of the town of Mariveles adjacent to North Channel to Manila Bay.

The Project shall consist of two (2) unit of 725 MW gross capacity and the following facilities: Coal unloading jetty and coal yard, Industrial Waste Water System, Sea Water Desalination System, Raw Water Pre-treatment System, Fuel Oil System, Process Air and Instrument Air Systems, Condensate Polisher System, Chemical Dosing System, Sea Water Electro-chlorination, Sea Water Cooling System, Sea Water Flue Gas Desulfurizer, etc.

QC Inspection Coordinator & Certification Engineer

Employed as client's representative to coordinate / liaise with EPC contractor, lead at least sixty (60) owner QC inspectors and interface with five (5) discipline QC Engineers (i.e. Turbine, Boiler, Civil, Balance of Plant, Electrical / Control & Instrumentation). Supervise four (4) technical clerks providing registers, documents required by inspector, statistics for weekly and monthly reports and other support for quality department. Reviews method statement and approve inspection and test plans (ITP). Check all relevant quality verification records (QVR) and ensure its compliance to QMS, approved procedures. Prepare and issue necessary deficiency/surveillance reports, non-conformance (NCR). Resolve technical issues on-site with construction and engineering team. Perform inspection on site (as necessary) and arrange meetings to address quality concerns raised during VPC. Carry out analysis, quality trend and key performance indicators. Attend meetings (i.e. project planning, strategic, operational, et.) with senior management team. Direct interface with all owner's manager (i.e. project manager, engineering, construction manager, project controls, etc.). Provide project weekly and monthly reports as necessary for all stake holders and project updates. Carry-out regular internal and external audits (i.e. owner and EPC contractor respectively) as planned by QA improvement engineers in accordance to defined schedule. Interface with offshore and manufacturing inspectors. Interface with construction, commissioning, O&M, QA team for mechanical completion and work turn over packs until pre-com and commissioning phase of the project. Performs other administrative work to support owner/client inspection team and additional tasks as required by project quality manager (PQM).

Logistics & Materials Coordinator

Responsible for the logistics and material management of the project both importation and re-exportation of goods. Coordinate / liaise with different Philippine government agencies (i.e. DTI, AFAB, Bureau of Customs, etc.) and all related agencies in the sea port (i.e. port management, shipping agent, stevedore, and broker) including Philippine ports authority (PPA) if required. Work closely with Contractors' logistics team and nominated broker / forwarder. Carry out inspection with government inspector as necessary. Attend all relevant meetings in securing clearance of imported

materials. In charge of Storage & Preservation (S&P) of all materials and equipment in all phases of the project (e.g. storage, installation) until handed over to commissioning team. Supported by one (1) material controller and two (2) assistant material controls to oversee material receiving and S&P. Ensure minimum S&P requirement as per OEM/O&M is complied. Maintain registers and prepare / issue all reports needed or required the management. Reports directly to the project quality manager and project director.

Apr 15 – July 2017

Eni Indonesia
Karimun, Indonesia (Eni Saipem Yard)
Senior Mechanical cum Piping Site Representative

Eni MUARA BAKAU B.V. - Jangkrik Complex Project (JKK Main & JKK NE)

The project was building of a Barge Shaped FPU (Floating Production Unit) performing Full Offshore Process and exporting treated gas onshore with a maximum production capacity of 450MMscfd while 4100 SBPD of condensate. It is composed of ITM (Integrated Topside Module), SURF, flare system, pipe racks, etc. The products such as gas and condensate will be supplied to Bontang LNG Plant / local market and Senipah Plant respectively. **Responsibilities:** Employed as client's representative to coordinate / liaise with EPC contractor, monitor construction progress of all mechanical / fixed equipment activities, assure the quality and compliance with the project specifications, contractual and statutory requirements. Ensure that project schedule and milestone are complied with utmost safety. Prepare internal reports as required by management to aide in monitoring all progress and activities of Contractor. Review of relevant reports and project procedures. Attends and coordinates any engineering issue or technical query on site. Handles interface between discipline and design engineering team. Carry-out inspections as required from material receiving, installation until mechanical completion. Responsible in assisting / mentoring local counterpart and ensure that required knowledge/experience are shared and imparted from all phases of the project from engineering, construction, mechanical completion and pre-commissioning until hand-over to commissioning / operations team.

Jul 13 – Sep 14

Eni Angola Production B.V. – FPSO N'Goma
Singapore
Mechanical Engineer / Topsides (Lead) Supervisor

Angola Block 15/06 West Hub Development – Deep Water (1,349 m / 4,452 ft) Exploration

The project was the conversion of existing Xikomba Vessel into a Floating Production Storage & Offloading (FPSO) with all the associated subsea umbilicals risers and flowlines (SURF) and a capacity 100,000 barrels of oil per day. It comprises construction / installation of Topsides, Turret and conversion of the marine side for the exploration and production of oil in West hub (Sangos, Cinguvu, Ngoma, and Nzanza discoveries). **Responsibilities:** Employed as client's representative to coordinate / liaise with EPC contractor and assure the quality, compliance with the project specifications. Supervision and monitoring of all related fixed equipment and piping activities (Topsides & Turret/Subsea) from construction/installation, completion and pre-commissioning activities. Witness all testing activities (i.e. Hydrotest, N2He Leak Test, etc.). Attends and coordinates any engineering issue or technical query on site. Carry-out final inspections and mechanical completion walkdown. Raise any punch list or concern accordingly (during installation and MCC). Support pre-com and commissioning activities.

Jul 12 – Jun 13

Eni AGIP KCO
Atyrau, Kazakhstan (Offshore – Kashagan Field)
Senior Mechanical & Piping Engineer

Sep 08 – Jun 12

Eni AGIP KCO
Aktau, Kazakhstan (Inshore / Onshore – ERSI Yard)
Project Coordinator / Project Engineer (Mechanical & Piping)

Kashagan Field Development Experimental Program – Caspian Sea**(Consortium of Eni, Kazmunigas, ExxonMobil, Shell, TotalFina, ConocoPhillips, Inpex)**

The project was the construction/installation of world's largest Offshore Oilfield (40bn barrel in total) Complex Facility in the Kashagan Field for the exploration and production of oil and gas. Composed of process barge modules (packaged/floating units) for stages of the oil & gas production and utility barge modules, pipe rack, piles/flares & etc. **Responsibilities:** Employed as client's representative to coordinate a team of engineers, liaise with engineering contractor and assure the quality, consistency and timely execution of engineering activities. In-shore / Offshore Completion and Hook-up & Installation of Modules. Work closely with various contractors to progress the work to meet project work schedule. Review and approved Job Cards / Job Packs prepared by Contractors. Prepare JC if necessary. Provide engineering support during construction and pre-fabrication. Ensure the quality of work, application and that all materials are as per project specification, local rules, company and international codes. Installation of all fixed equipment and ensure required preservations are correctly executed. Resolve all technical queries and event report in timely manner to avoid any project delay. Monitor activities and other related matter to support the site construction activities. Supervision of construction or installation activities on utilities /oil and gas process barge-modules. Carry-out final inspections / mechanical completion walkdown and pre-commissioning activities (i.e, pressure vessel inspection, pump alignment, etc.).

Oct 06 – Aug 08**TengizChevroil (TCO) - Atyrau, Kazakhstan**
*Mechanical Commissioning & Pressure Vessel Inspector***Second Generation Project/Sour Gas Injection (SGP/SGI) – Tengiz, Kazakhstan**

The project was the construction and commissioning of TCO Plant Expansion (SGP/SGI) with a Crude Production capacity of 11 MMTPY @ 17mole% H₂S injection in SGI. The plant receives Oil, Gas & Water from the field and undergoes on several process such as Oil Stabilization/Gas Separation, Demercaptanization, Acid Gas Removal, Sulphur Recovery/Tail Gas Treating, Gas Dehydration/Fractionations & etc prior to Crude Oil, LPG/Dry Gas, Sulphur Storage and Sales via pipeline or rail. **Responsibilities:** Represent the owner/client in pre-commissioning and commissioning of the plant as Mechanical Commissioning of Fixed Equipment (i.e. pressure vessels, columns, heat exchangers, boilers, fin fan coolers, piping works & etc.) for Staged /Non-Staged Oil. Perform/witness load runs for rotating equipment (i.e. pumps, compressors, blowers & etc.). Carry out pressure vessel internal (i.e. trays, random/structured packing, media loading) and external inspections. Perform initial inspections with government representatives (GGT) to check integrity of pressure vessels from vendor premises. All welding related inspection of vessel and piping work. Witnesses of air blowing and flushing of pipe lines. Perform all walkdown inspections of pressure vessels and piping works. Prepares and completes all check sheets / list prior to start-up and commissioning. Repairs of valves identified during system leak test and inspection of PSV. Responsible in training local Kazakhs and ensure that they'll have sufficient knowledge/training on the plant until full operations. In addition to above designation and responsibilities, acted as **Permit Coordinator** in certain areas during SIMOPS and operations period at some stage. Also, designated as **Person-in-Charge (PIC) & Work Responsible Person (WRP)** on permits in all areas and prepares Job Safety Analysis (JSA) for the required activity, identify isolation points of the energized system and prepare all related documents necessary.

Feb 05 – Sep 06**Bureau Veritas (BVQI) - Doha, Qatar**
Senior NDE Welding Surveyor

An international group with a core business of conformity assessment, applied in the areas of quality, health, safety, environment and social responsibility. With a mission that consists of inspecting, verifying or certifying assets as well as projects, products or systems, using its own benchmark

references or external standards, in order to deliver compliance reports. Proposed services also include related consulting and training. Responsibilities: Assigned to Dolphin Energy Gas Processing Plant and Compression Facilities Project in Ras Laffan to represent the Owner on mechanical (static & rotating), piping/welding and GRP piping inspections or surveys required by the project specification.

Dolphin Energy Gas Processing Plant and Compression Facilities – Doha, Qatar
Quality Control Inspection Engineer

The project was the construction of a plant that will receive wet gas from Dolphin's offshore platforms and strip out valuable hydrocarbon liquids (including condensate and LNG products) for processing. Treat, process and store other by products in the form of ethane, butane, propane and sulphur. Also, the resulting dry gas will be compressed and transported through a 48" Dolphin's export pipeline to UAE. Responsibilities: Employed as client's representative to look for the inspection / testing and alignment; Static and Rotating Equipment such as Boilers, Horizontal & Vertical Pressure Vessels, Columns, AFC, Compressors, Turbine, Pumps, Chillers and etc; Steel Structures including Flare Structure; Welding Works for Piping (all types of metallic piping) and equipment related; GRP Piping (U/G & A/G) – Mechanical (DBCJ), Adhesive Cement Joint and Lamination Works; Hydrostatic / Pneumatic Test Package Review and Approval including witnessing of test.

May 04 – Feb 05

Hitachi Zosen

Construction Engineer (Mechanical & Piping)

Independent Water and Power Project (IWPP) – Abu Dhabi, UAE

The project was the construction of desalination plant and power plant that will produce 25MIGD of water daily and 1550MWatt power respectively. Seawater from the intake will be processed using a thermal distillation technology through a multi-stage flashing evaporator to produce potable water that will be stored on tanks. Also, the project will be tie-in to the existing water and power plant currently operating. Responsibilities: Employed on the main contractor to look for the supervision and inspection as well; Fabrication, inspection and testing of two (2) multi-stage flashing type of Evaporator and four (4) Storage Tanks (67.5m ϕ x 16.5m height); Installation and inspection of Five (5) gas turbine and two (2) steam turbine; Erection and inspection/testing of GRP and metallic piping; Welding works for mechanical and piping; NDE Inspection (PT, UT, MPI and Review of RT films)

Apr 02 – Feb 04

Doosan Heavy Industries & Construction Co., Ltd

QA/QC Inspection Engineer

UWEC: Offsets Fujairah Water and Power Project – Fujairah, U.A.E

The project was the construction of desalination (combined MSF Distillation & Reverse Osmosis) and power plant with a water capacity of 100MIGD to be supplied to Al Ain, UAE and a power plant capacity of 656MW. Also, includes intake/pumping stations and waste water treatment plant. Responsibilities: Employed as Contractor's representative responsible for the inspection and testing; Static equipment such as Power Boilers, HRSG, and Pressure Vessels (horizontal & vertical); Rotating equipment such as Vertical & Horizontal Pumps (high capacity for intake & pumping stations), Gas & Steam Turbines; Inspection of Steel Structures; All piping and mechanical equipment for Reverse Osmosis Plant and water treatment plant; Maintenance cranes (i.e. overhead, jib cranes, etc); Tank Farm (Oil and Water Storage Tanks); NDE and Welding Works; Hydrostatic/Pneumatic Testing; Coordinate with Third Party Inspectors and Consultants.

Mar 01 – Mar 02

Hanjung, Ltd.

Construction Engineer (Mechanical & Piping)

ADWEA: Umm Al Nar Desalination Plant 'B' Project (IWPP) – Abu Dhabi, UAE

The project was the construction of water desalination plant and power plant with a water capacity of 62.5MIGD. Responsibilities: Erection/Installation of all piping works (GRP and all types of metallic piping); Modification of isometric drawings as per site requirement using AutoCAD.

Aug 99 – Feb 01

Korea Heavy Industries & Construction Co. (KHIC)
Mechanical & Piping Supervisor

ADWEA: Al Taweelah Water and Power Project - Abu Dhabi, United Arab Emirates

The project was the construction of desalination and power plant with a capacity of 50MIGD and 550Mwatts respectively. Responsibilities: Erection of GRP Piping; Installation of Static equipment such as Auxiliary Boilers, Evaporators, HRSG, Pressure Vessels

May 98 – Jun 99

Caltex Phils, Inc
Mechanical/Piping Engineer

Refurbishment/Maintenance Shutdown - Philippines

The project was the refurbishment of the existing petroleum refinery, addition of new system and maintenance shutdown. Responsibilities: Line checks of existing piping and equipment; Preparation of reports for assessment purposes.

Apr 97 – Apr 98

Servia Technologies, Inc
Piping Designer/Engineer

Design Engineering and Consultancy – Batangas, Philippines

A local company providing services on design and consultancy for petrochemicals, oil and gas and other industrial projects. Project Involvement (CALTEX PHILS., INC.): Boiler feed water injection on MDEA steam supply; BBD LPG Odorant System – Design and Cost Estimate; Automatic Temperature Control of MDEA Reboiler Steam Supply; Installation and Replacement of Control Valve; Modernize Tankage Instrumentation; Power plant dilution tanks level control and pump protection system; VDU Off Gas Differential Pressure Transmitter; Compressor vibration monitoring, alarm and shutdown system; Modify 13G-1/1A pump low-pressure cut-in/cut-out and shutdown system.

Apr 96 – Mar 97

Atlantic Gulf & Pacific Co (AG&P)
Mechanical Engineer/Supervisor

Heavy Fabrication Yard – Batangas, Philippines

The project was the fabrication of steel structures and pressure vessels. Responsibilities: Supervision of the fabrication of steel structures and monitoring of production output of steel structures; Time and motion study of heavy fabrication division.