**SUMMARY OF EXPERIENCE**



Mechanical engineer with 21 years of combined experience in engineering &

design of Industrial & Chemical Plants, Petrochemical & Oil Refineries.

Experience include Project Engineering, Engineering and Requisition of Pressure

Vessels, Heat Exchangers and Package Equipment and has design knowledge on

piping and HVAC systems. Has Construction Site exposures handling Field

Engineering Support and Systems Turnover Coordination.

Activities handled include the following:

* Preparation of Manhour estimates and Staffing plans.
* Preparation and maintenance of Mechanical Project Execution Plans. Activity Quality Plans, Work Instructions and Checklists and Discipline Organizational Chart.
* Maintenance of Lessons Learned and Close-out Reports.
* Preparation of project scopes, processes, equipment specifications and drawings
* Evaluation, selection and recommendation of vendor equipment
* Preparation of Request for Quotation for equipment
* Preparation Technical bid evaluation
* Knowledgeable in different engineering international standards such as ASME, API, TEMA, ANSI, NFPA, ASHRAE, FM and other design related standards.
* Design and calculations of:
* API 650/620 tanks
* ASME Section VIII Vessels Div.1
* TEMA/API Heat Exchangers
* Filters, Separators, Towers and Accessories
* Familiar with API and ANSI Rotating Equipment
* Review of vendor drawings and documents.
* Multi discipline engineering coordination and design review
* Heating, Ventilating and Air Conditioning Design
* Building and Offsite Fire Protection System Design
* Building Plumbing and Area Sewer and Drainage System Design.
* Knowledgeable in the use of MSOffice,PDS, MicroStation, AutoCAD, SmartPlant P&ID, Compress, PVElite, HTRI, Aspen TEAMS, Aspen Zycad and PDS-2D including administrative function.
* Trainings attended:
* Project Planning and Scheduling using Microsoft Project 2007 at Ngee Ann Polytechnic in Singapore. April to May, 2011.
* Project Planning and Control using Primavera P6 at CIM Technologies in Manila, Philippines. May, 2012

**SIGNIFICANT WORK EXPERIENCE**

**G.A.S. Unlimited Inc.** (January 28, 2013 to May 12, 2016)

**PROJECT ENGINEER - MECHANICAL**

Perform Project Engineering functions concentrated in monitoring the engineering activities of the Mechanical group. Major tasks involves quality checking of equipment requisitions and technical bid evaluations submitted by the Mechanical engineering group. Also, involved with coordinating the review of vendor data among other disciplines. Participates in quality checking of requisitions of other disciplines such as piping, instrumentation and electrical engineering groups.

Other tasks:

* Coordination with in-house shop manager and superintendents with regards to assembly of modules.
* Coordination with logistics and procurement with regards to the delivery of mechanical, piping, instruments and electrical equipments that will be involved the assembly of modules.

|  |  |
| --- | --- |
| **PROJECT INVOLVED** | **FUNCTION** |
| 250 BPSD GTL Plant Project  ENVIA Energy (Formerly GTL Joint Venture LLC)  Oklahoma City, Oklahoma USA  August 3, 2015 to March 21, 2016 | Seconded to Ventech Engineers International LLC  Project Engineer - Mechanical |
| 25,000 BPSD Crude Unit Project  Sinclair Casper Refining Company  Casper, Wyoming USA  March 23, 2015 to July 31, 2015 | Seconded to Ventech Engineers International LLC  Project Engineer - Mechanical |
| HCC-3 Demethanizer Upgrade Detail Engineering & HCC-3A Demethanizer Upgrade FEED Projects  Eastman Chemical Company  Longview, Texas, USA  November 03, 2014 to February 27, 2015 | Seconded to Technip Shaw and Webster Process Technologies  Project Engineer |
| Taq Taq Crude Production Facility 2 Project  Taq Taq Operating Company  Koysinjaq, Iraq  January 28, 2013 to October 31, 2014 | Seconded to Ventech Engineers International LLC  Project Engineer - Mechanical |

**CB&I LUMMUS PTE. LTD.** (January 12, 2009 to January 9, 2013)

**SENIOR MECHANICAL DESIGN ENGINEER**

Performs mechanical design and analysis of an assigned scope of work including specific complex deliverables such as pressure vessels and heat transfer equipment. Work includes, among other things, design calculations, specification development. Ensures effective communications among other engineering disciplines. Ensures effective management of change.

Had also been tasked to participate in the Systems Turnover Coordination of a major construction project.

| **PROJECT INVOLVED** | **FUNCTION** |
| --- | --- |
| PNBV Cidade de Mangaratiba FPSO (MV24) Project  Petróleo Brasileiro S.A.  June 4, 2012 to October 26, 2012 | Assistant Mechanical Equipment Engineering Coordinator |
| Hai Su Trang and Hai Su Den Development Project  Thang Long Joint Operation Corp.  Vietnam Offshores  November 28, 2011 to April 16, 2012) | Seconded to Marine Engineering Services Pte. Ltd.  Static, Package and Specialty Items Requisitions Engineer |
| Petrochemical Company of Singapore  BDX Extraction Facility (Bidding)  Singapore  August 15, 2011 to November 25, 2011 | Static Equipment Lead Engineer |
| PNG LNG EPC4 Hides Gas Conditioning Plant Project  Esso Highlands Limited  Southern Highlands, Papua New Guinea  March 3, 2010 to April 29, 2011 | Static & Package Equipment Requisition Engineer  Design Change Notice Coordinator for the Mechanical Group |
| Shell Ethylene Cracking Complex Project  Shell Eastern Pte. Ltd.  Pulau Ular, Singapore  October 20, 2009 to February 28, 2010 | Assitant Turn Over Coordinator |
| Refinery Expansion Project  Staatsolie Maatschappij Suriname N.V.  Tout Lui Faut, Paramaribo, Suriname  January 12, 2009 to September 15, 2009 | Mechanical Static Equipment Design Engineer |

**FOSTER WHEELER EASTERN PTE. LTD.** (December 11, 2006 to December 10, 2008)

**MECHANICAL DESIGN ENGINEER**

Has been involved as a Package Equipment Engineer for a Pharmaceutical Project designed and constructed in Singapore. Handled Steam Generation, Chemical Injection and Waste Neutralization Systems Equipment. Duties include the development of Material Requisitions, discipline coordination, Technical Bid Conditioning, Evaluation and Tabulation, Vendor Document Review and Vendor Coordination. Also assisted with the other engineers who had handled other equipment such as the Pressure Vessels, Storage Tanks and Heat Exchangers.

Has been assigned as the Lead Static and Package Equipment Engineer and as a Field Supervisor during the construction stage.

|  |  |
| --- | --- |
| **PROJECT INVOLVED** | **FUNCTION** |
| SNO2 Bulk Vaccine Facility  GlaxoSmithKline Wellcome Manufacturing Facility  Tuas, Singapore  December 11, 2006 to November 27, 2008 | Package Equipment Engineer  Lead Static and Package Equipment Engineer |

**FLUOR DANIEL, INC. PHILIPPINES** (October 23, 1995 to December 9, 2006)

**MECHANICAL DESIGN ENGINEER II**

Has been an active part of the mechanical engineering group for a Fluor Company whose office is located in Manila, Philippines. Has experience in manpower estimation, supervision, engineering drawing & data sheet preparation, RFQ preparation, bid evaluation, preparation of technical requisition for P.O; inter-discipline coordination and also piping, plumbing and HVAC design.

Has been a part of the senior team that provides overview, supervision, training and technical supports to junior engineers.

| **PROJECT INVOLVED** | **FUNCTION** |
| --- | --- |
| Yanbu Petrochemical Complex Project  Yanbu Petrochemical Plant  Yanbu, Kingdom of Saudi Arabia  August, 2005 to December 9, 2006 | Mechanical Engineer / Back-up Lead  Handled Pressure Vessel Requisitions and as a Design Supervisor to other members of the group. |
| Ultra Diesel Plus Project  Ultramar Canada Limited  Quebec, Canada  (February 7, 2004 to July, 2005) | Mechanical Lead Engineer  Equipment Engineering  Over-all Mechanical Supervisor for the Project |
| BP Clean Fuels Project  BP Toledo  Toledo, Ohio  (December, 2003 to August, 2004) | Mechanical Lead Engineer  Equipment Engineering  Over-all Mechanical Supervisor for the Project |
| Total eXplorer Project  TotalFinaElf E&P  Congo, Africa  (July,2003 to September, 2003) | Mechanical Design Engineer  Offshore Fire Protection Engineer |
| United Olefins Complex Project.  Jubail United Petrochemical Co.  Jubail, Saudi Arabia  (June 7, 2002 to June, 2004) | Mechanical Design Engineer – Equipment  (July 2002 to April 2003)  Assumed the Lead Mechanical Role  (May 2003 to June 2004) |
| Hamaca Crude Upgrader Project  Petrolera Ameriven  Jose, Venezuela  (July 25, 2001 to November 9, 2001) | Area Design Supervisor  Sewer and Drainage Design |
| Chevron Pascagoula Clean Fuels Project  Chevron Products Co.  Pascagoula, MS, USA  (March 5, 2001 to July 24,2001) | Process CAD Lead |
| Chevron Pascagoula Clean Fuels Project  Chevron Products Co.  Pascagoula, MS, USA  (March 5, 2001 to July 24, 2001) | Process CAD Lead |
| Syncrude UE-1 Project  Syncrude Canada Ltd.  Alberta, Canada  (December 4, 2000 to February 23, 2001) | Process CAD Designer |
| Fab 6 – SSBIP  Winbond Electronics Taiwan  Tainan, Taiwan  (August, 2000 to November 15, 2000)  (Executed in Tucson, Arizona, USA) | Design Engineer  Engineer and Design Supervisor  HVAC/ Fire Protection |
| RP1 – Pathfinder  Intel Electronics  Hillsborough, Oregon, USA  (July 5, 2000 to August, 2000)  (Executed in Tucson, Arizona, USA) | Design Engineer  Engineer and Designer  HVAC |
| Chemical Support Facility  IBM San Jose  San Jose, California, USA  (March 25, 2000 to June 16, 2000)  (Executed in Tucson, Arizona, USA) | Associate Design Engineer  Engineer and Design Supervisor  HVAC/ Fire Protection |
| Fluor Daniel Office Fit-Out  Fluor Daniel Inc. Philippines  Manila, Philippines  (September, 1999 to December, 1999) | Associate Design Engineer  Engineer and Designer  HVAC/ Fire Protection |
| Pilot Plant Project  Procter and Gamble Philippines  Cabuyao, Laguna, Philippines  (May, 1999 to August, 1999) | Associate Design Engineer  Engineer and Designer  HVAC/ Fire Protection |
| Eastman Kodak Project 7B  Eastman Kodak China  Xiamen, China  (August, 1998 to April, 1999) | Mechanical Designer  HVAC/ Fire Protection |
| Asian Star Building  Asian Appraisal Inc.  Alabang, Muntinlupa City, M.M., Philippines  (May, 1998 to July, 1998) | Mechanical Designer  HVAC/ Fire Protection |
| Batu Hijau P.T. Newmont Mining Project  P.T. Newmont Nusa Tenggara  Jakarta, Indonesia  (October, 1997 to April, 1998) | Piping Designer |
| Mak-Ban Geothermal Plant Expansion Project  Philippine Geothermal Incorporated  Laguna, Philippines  (June, 1997 to September, 1997) | Piping Designer |
| Analog Devices Gen. Trias Test and Assembly Facility  Analog Devices Inc.  Cavite, Philippines  (July, 1996 to May, 1997) | Construction Engineering Support  Piping/Mechanical |
| Analog Devices Gen. Trias Test and Assembly Facility  Analog Devices Inc.  Cavite, Philippines  (October, 1995 to May, 1996) | Piping/Mechanical Designer |

**EDUCATION**

Bachelor of Science in Mechanical Engineering

Central Colleges of the Philippines, Quezon City, Philippines

Graduated October 30, 1993

**PROFESSIONAL LICENSES/CERTIFICATIONS**

Registered Mechanical Engineer

PRC License No. 0046668

Philippines

**PERSONAL DATA:**

|  |  |  |
| --- | --- | --- |
| Nationality | : | Filipino |
| Date of Birth | : | 27th-November, 1967 |
| Health | : | Excellent |
| E-mail Addresses | : | [Virgilio.373699@2freemail.com](mailto:Virgilio.373699@2freemail.com) |