

Franklin ALMARIO

Head of Civil and Structural



Professional Experience Summary

Has more than 21 years' experience in the field of project management, civil design and construction particularly in oil and gas sector, water supply/generation projects, heavy industrial plants, telecommunication and infrastructures.

Solid background (16 years) within Contracting Companies (EPC Contractor) operating in the Oil & Gas Industry & Large Desalination Plants, specialized in civil works and steel structures design and erection.

Presently connected with Technip Energies / Novarctic as Civil Construction Superintendent. Duties and key responsibilities include civil construction management, coordination, preparation of civil execution and methodologies from earthworks, steel structure erection and fabrication, concreting activities, logistics and other subjects

Education

- MSc Civil Engineering (Academic Units), Mapua Institute of Technology, 1998, Manila Philippines
- BSc Civil Engineering, Mapua Institute of Technology, 1996, Manila Philippines

Languages

- English, Fluent
- Filipino, Mother Tongue

Professional Qualifications

- American Concrete Institute
- Association of Structural Engineers of the Philippines
- Philippine Institute of Civil Engineer

Awards Received

- **Certificate of Recognition** for Academic Excellence presented by Mapua Institute of Technology, Republic of the Philippines
- **Certificate of Distinction** presented by Professional Regulation Commission, Republic of the Philippines

Other Information

- Birthdate: 02-Mar 1974
- Nationality: Filipino
- Civil Status: Married with 1 Child
- Body Mass Index: 24.1
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Detailed Professional Experience

Piling, Civil and Early Works Superintendent

Job Purpose: Supervise the field construction of a project, assist Subcontractor to complete the Works safely and timely, within the budget and to the quality of workmanship specified.

Novarctic (Technip Energies, Saipem and Nipigas JV) Russian Federation

<u>Project Title:</u>	ARCTIC 2 LNG (3x6.6 Mt/y)
<u>Segment:</u>	Onshore / Offshore
<u>Site Location:</u>	Gydan, Russia
<u>Project Cost:</u>	More than 21B USD
<u>Project Type:</u>	Engineering, Procurement, Construction and Commissioning
<u>Inclusive Date</u>	Mar 2019 – 2020

<u>Responsibilities:</u>	Management of early works, piling and civil construction works
	<ul style="list-style-type: none">• Field oversight and crew supervision• Evaluate the contractual scope of work• Plan, organize and staff key project positions through coordination with other construction groups and discipline• Ensure that project objectives, policies, procedures and performance standards are followed and achieved.• Initiate and maintain liaison with clients to coordinate scheduling activities and facilitate successful construction activities• Monitor and control project development• Assist in updating master project schedule and variance reports to ensure project is built on schedule and within budget• Manage risks and investigate potentially serious situations to circumvent problems or promptly implement corrective measures as required• Ensure project document controls are in compliance with contract requirements• Attend job progress meetings as required and develop and maintain viable long-term relationships with customers, disciplines, various departments, and prime subcontractors

Civil and UG Works Superintendent –Trains

Job Purpose: Supervise the field construction of a project, assist Subcontractor to complete the Works safely and timely, within the budget and to the quality of workmanship specified.

South Tambey LNG (TechnipFMC, Chiyoda and JGC JV) Russian Federation

<u>Project Title:</u>	YAMAL LNG (16.5 Mt/y)
<u>Segment:</u>	Onshore
<u>Site Location:</u>	Sabetta, Russia
<u>Project Cost:</u>	More than 27B USD
<u>Project Type:</u>	Engineering, Procurement, Construction and Commissioning
<u>Inclusive Date</u>	Apr 2016 – Dec 2018

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- Responsibilities: Management of civil and UG construction works
- Field oversight and crew supervision
 - Evaluate the contractual scope of work
 - Plan, organize and staff key project positions through coordination with other construction groups and discipline
 - Ensure that project objectives, policies, procedures and performance standards are followed and achieved.
 - Initiate and maintain liaison with clients to coordinate scheduling activities and facilitate successful construction activities
 - Monitor and control project development
 - Assist in updating master project schedule and variance reports to ensure project is built on schedule and within budget
 - Manage risks and investigate potentially serious situations to circumvent problems or promptly implement corrective measures as required
 - Ensure project document controls are in compliance with contract requirements
 - Attend job progress meetings as required and develop and maintain viable long-term relationships with customers, disciplines, various departments, and prime subcontractors

Project Engineer

Job Purpose: Coordinates the design and requisitioning of the portion of work assigned (per several disciplines or project areas and/or facility unit) in accordance with Technip QHSES corporate policies, contractual commitments (design data, codes, classes etc.), schedule and budget.

Technip France Abu Dhabi Abu Dhabi UAE

Project Title: ASAB 3 Project
Segment: Onshore
Site Location: Abu Dhabi
Project Type: Engineering, Procurement, Construction and Commissioning
Inclusive Date Mar 2014 – Present

Project Title: EPS for Surface Facilities of Hail Field Development
Segment: Offshore
Site Location: UAE
Project Type: FEED
Inclusive Date Sept – Oct 2014

Project Title: Petromasilla Gas to Wire Project
Segment: Onshore
Site Location: Yemen
Project Type: FEED
Inclusive Date Oct – Nov 2014

- Responsibilities: Manages and/or coordinates project activities, including, but not limited to:
- Represents Technip towards clients, partners, subcontractors and vendors for technical subjects on site.



- Ensures technical project execution on site by:
 - Coordinating and supervising field engineers.
 - Monitoring compliance with contractual requirements, engineering specifications and Technip QHSES requirements.
 - Managing change orders requested by site management from technical solution to on site implementation.
- Ensures coordination of interfaces among field engineering disciplines and with site supervision, home office engineering resources, site procurement, clients, vendors, licensors, and partners.
- Defines engineering coordination procedures on site and supports local procurement activities.
- Actively controls schedule execution and proposes corrective actions when needed.
- Ensures timely internal and external reporting on site engineering / requisitioning activities.
- Contributes to respect of material and man/hours budget by proposing optimized technical solutions and monitoring impacts of change orders on budget.
- Contributes to defining and coordinating permitting process with local authorities to obtain approval on engineering documents.

Construction / Structural Engineer (2011 – 2016)

Job Purpose: Permanently assigned to the project and relocated inside the Project Team to support the Project Construction Manager for the execution of all duties, and, in particular, for the preparation of all deliverables required at the various phases of Home Office Construction activity for a given Project.

Technip France Abu Dhabi
Abu Dhabi UAE

Projects Undertaken: Samac MMA/PMMA Project, KSA
Yamal LNG Project, Russia
Rumaitah / Shanayel P3 NEB Development, UAE
UZ750 – Upper Zakum 750K, UAE
Integrated Development of the Sthokman Gas Condensate Field, Russia
Barrancabermeja Refinery Modernization Project, Columbia
Gabon Fertilizer Project Gabon
Weda Bay Nickel Project, Indonesia
DO Terminal Hejre Crude Stabilization Project, Denmark
GASSCO Emden Gas Terminal Facilities Upgrade, Germany
BASF Chlorine Plant Upgrade, Germany
Fujairah Refinery Project, UAE
Zapsib 2 LLDPE/HDPE Unit, Russia
Zirku Island Power Upgrade, UAE

Segment: Onshore

Site Locations: Middle East, Far East, European Continent, Russia, and Latin America

Project Types: Pre FEED, FEED, EPC, EPCC

Responsibilities:

- Provides the daily physical link between the Project Construction Manager and the various Project Team positions and Engineering departments so that the latter may develop and produce the various deliverables in time and complete

with all data specific to the Project, relevant construction execution requirements and environmental conditions.

- Prepares the Bid Inquiry packages and the list of potential bidders, and obtains the relevant qualifications in coordination with the Subcontracting section (for the contractual aspects).
- Follows up on Bid Inquiries and relevant answers by keeping record of the relevant bid bulletins and prepares the recommendation for final negotiations/award during the bidding phase, in coordination with the Subcontracting section (for the contractual aspects).
- Prepares the general Method statement related to general site condition, for mechanical erection works and relevant price list and contributes to definition and design of Temporary Construction Facilities and Camp if applicable.
- Prepares the Project Construction deliverables list upon indication from the Project Construction Manager.
- Supports Project planning for all activities relevant to all Construction deliverables.
- Supports Project Construction Manager for the definition of Construction Measurement System database by daily coordination with the Project Team.
- Specific studies performed includes:
 - Precast Yard Optimization and Sizing
 - Piperack Modularization Manpower Evaluation
 - Tanks and Thickeners Modularization, Erection and Transportation
 - Module Transportation and Installation Sequencing
 - Module Hook Up
 - Steel Piperack Structure Erection Methodology and Erection Sequencing
 - Earthworks Equipment Scheduling
 - Civil Construction Sequencing
 - Camp and Temporary Site Facilities Optimization and Sizing
 - Material and Personnel Transportation and Optimization
 - Bulk Materials Site Management

Senior Structural Engineer (2010 – 2011)

**Construction Projects Directorate
Ministry of Works, Kingdom of Bahrain**

Projects Undertaken: Various Secondary Schools, Kingdom of Bahrain
Green Building Technology, Report on Material Sustainability

Responsibilities: Directly involved in preparation of detailed engineering design of various school buildings identified by as priority by the Government

- Supervise the work team in the review and investigation of project sites
- Prepare and review structural drawings, reports, specification to be submitted to other government agencies and ensuring its completeness, correctness in compliance with scope of work and specification
- Coordinate material tests results to update the structural design criteria
- Establish design criteria for project improvement
- Supervise detailed design of the assigned projects
- Supervise preparation of structural calculation and drawings
- Attend technical meeting with Client and other discipline for coordination of work
- Carry out value engineering for the preparation of alternative study
- Supervise preparation of technical report

Site Location: Kingdom of Bahrain



Assistant Resident Engineer (2009 – 2010)

Parsons International Company LLC
Muscat, Oman

Project Undertaken: Sohar Port Interchange Project

Description: The project, at a cost of RO 49.145 million, is one of major transport-related infrastructure improvements developed in the Sohar and wider Batinah region as proponent of the project, Ministry of Transport and Communication through the help of Parsons International Company LLC designed the area not only to serve the Port of Sohar, but also a number of major industrial undertakings under development in the vicinity of the port. Besides streamlining traffic flows along the Batinah highway, the project also enables smooth flow of heavy vehicles between the port and industries located on the other side of the highway. The upgrading of the area also intends to reduce the recent flooding of nearby communities.

Responsibilities:

- Responsibility for supervision of project assigned within cost, time, quality and safety parameters.
- Complete construction management, project planning & scheduling,
- Monitoring progress, and construction supervision & execution as per contract conditions, drawings and specifications.
- Responsible for proper interface control between disciplines ensuring work will be executed as planned
- Responsible for monitoring all contractual obligations by the contractor.
- Complete supervision of budgeting and cost control in a very cost effective manner and execution of plans according to scheduled time-lines through appropriate monitoring.
- Keep an overall watch on the working of all the technical/non-technical staff and getting the maximum output from the team
- Coordinate between all the agencies involved to achieve continuous progress at work.
- Maintain the speed of the project as outlined by the management without compromising on quality at any stage
- Communicate the management decisions and information to the site subordinate staff.

Site Location: Sohar, Sultanate of Oman

Deputy Project Manager
Civil and Structural Works

(2008 – 2009)

Clarkebond Middle East
Abu Dhabi, United Arab Emirates

Project Undertaken: Al Ain Labour Village

Description: Development by Aldar and Zones Corp for Labour residential city with a total of capacity 16,000 workers in Al Ain at a cost of Dh 500 million. Development consists of eight clusters, six of which will include seven residential blocks with a main dining hall and open green spaces. The remaining two will consist of a central kitchen, shopping mall, medical clinic, administration building and a mosque.



Responsibilities:

- Responsible for all phase of construction activities on site as per given area of discipline in accordance with the Resident Engineer instructions
- Supervised and directs Project (Site) Engineers on a daily activities including prioritization and changes in requirements
- Responsible for monitoring all interfaces between disciplines (Civil, Structural, Electrical, Mechanical, Instrumentation) for proper execution at site.
- Prepares and reviews construction programs, drawings, specifications and other issues concerning to the inter-discipline activities.
- Reports any non-compliance activities on site and/or as per Project Engineer information.
- Follows up corrective and preventive actions and evaluates their effectiveness.
- Monitors contractor (suppliers) manpower and equipment usage as per plan and approved methodology.
- Reviews of submittals, inspection reports including test and other required certificates of compliance or equivalent documents.
- Directs and informs subcontractors on site prioritization and requirements.
- Follows up any work delays and variations as per plan

Site Location: United Arab Emirates

Civil and Structural Design Manager (2003 – 2008)

SIDEM (Societe Internationale De Dessalement)
Abu Dhabi, United Arab Emirates
Manama, Kingdom of Bahrain
Al Khobar, Saudi Arabia

Projects Undertaken:

Fujairah F2 Hybrid Desalination and Reverse Osmosis Plant Fujairah, United Arab Emirates 12 Units 8.50 MIGPD Capacity	Sep 2007 – Feb 2008
Marafiq IWPP (I) Power and Desalination Plant Jubail, Saudi Arabia 27 Units 6.56 MIGPD Capacity	May 2007 – Feb 2008
Al Hidd Phase III Desalination Plant Al Hidd, Bahrain 10 Units 6 MIGPD Capacity	Jan 2006 – Feb 2008
Layyah Desalination Extension D12 Sharjah, UAE 1 Unit 8 MIGPD Capacity	May 2005 – Dec 2005
Additional Desalination Plant at Ras Al Khaimah and Ajman Ajman and Ras al Khaimah, UAE 3 Units of 5 MIGPD Capacity	Feb 2004 – Jun 2005
Mobin Utility Complex Water System Mobin Petochemical Complex, Iran	Nov 2003 – Mar 2004

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Responsibilities:

- Supervision, management, coordination and direction to all appointed subcontractors on the site and engineering works
- Responsible for monitoring all interfaces between disciplines (Civil, Structural, Electrical, Mechanical, Instrumentation) for proper execution at site.
- Responsible for ensuring technical items for long lead materials are fully understood in coordination for detailed drawings preparation and proper execution
- Assessment of proposed electrical materials (Gensets, Transformers, Rectifiers, HV & LV cables and controls) and mechanical equipment (tanks, boilers, pumps and other process equipment) for proper integration with the civil work items
- Assist in the identification of potential gaps and/or obstacles that may compromise the success of projects, trouble shooting, and presenting appropriate strategies to overcome barriers with a view to improving overall project effectiveness and outcomes
- Supervise, organize and plan activities to ensure smooth fabrication and construction of structures within the stipulated schedule
- Review technical drawings and advise engineering of any discrepancies before commencement of fabrication works.
- Perform MTO and update progressively to ensure proper control of material procurement and usage
- Ensure that manpower is effectively deployed to deliver the products timely.
- Resolve any technical problems or issues faced at the work site
- Study and evaluate the work sequences and methods of the Department and explore new ideas to improve quality and productivity
- Responsible for preparation of red line mark ups to Engineering for AS BUILTS submission to clients
- Liaise with clients' representatives and coordinate with other department supervisors for effective coordination of all works.
- Ensure that Safety, Health and Environmental operating procedures are followed and counsel staff about compliance as necessary
- To implement the Company's safety policy and safety management system and to enforce legislated safety requirement and the Company's safety rules and regulations at site
- Manage the design output of the civil design subcontractor
- Carry out value engineering and constructibility review during the design stages
- Manage the review of material proposal by Civil subcontractor in line with client specification
- Manage the review and approval of civil sub-contractors method statement and ensure its compliance to contract requirements and design assumptions
- Coordinate with Civil Subcontractors, Civil Design Subcontractor and Site Engineers for proper implementation and execution of the project

Site Locations: UAE, Iran, Bahrain, Qatar, Saudi Arabia, Yemen, Oman

Senior Structural / Bridge Engineer (1997 – 2003)
Philipp's Technical Consultant Corporation
Manila, Philippines

Projects Undertaken:

Detailed Engineering Design of Sampaguita Bridge Widening
Global City, Taguig, Philippines January- March 2003
50m, Six Lane Two Span Prestressed Concrete Bridge

Detailed Engineering Design of Pipe Milling Industrial Plant

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Batangas City, Batangas, Philippines June - December 2002
Various Steel and Concrete structures

Detailed Engineering Design of Sampaguita West Ramps Project
Global City, Taguig, Philippines July 2001 - April 2002
498m Elevated Viaduct

Detailed Engineering of Mindoro West Coast Road Improvement Project
Mindoro Occidental, Philippines January 2000 – August 2001
21 Bridges of various types

Detailed Engineering Design of Sta. Monica Gymnasium and Two Story School Building
Bulacan, Philippines August - September 2001
Two Story Special Moment Resisting Steel Frame Building and 32m Span Rigid Frame

Construction Study for Metro Manila Skyway Project Stage 2 & 3
Manila, Philippines January 1999 – February 1999

Detailed Engineering of Metro Manila Skyway Project Stage 1
Manila, Philippines March 1999 – December 1999

Detailed Engineering Design of Allacapan-Aritao Road Rehabilitation Project,
Nueva Viscaya –Isabela, Philippines June 1997 – July 1998
26 Bridges

Detailed Engineering and Construction Supervision of MICT – CALAMBA Inland Container Depot
Manila-Calamba, Laguna, Philippines February 1997 – June 1997

Responsibilities:

- Supervise the bridge work team in the review and investigation of the bridge sites
- Prepare and review structural drawings, reports, specification to be submitted to Client and ensuring its completeness, correctness in compliance with scope of work and specification
- Supervise all tests necessary to obtain data for updating the criteria for bridge improvement and other structural design
- Establish design criteria for bridge improvement and other structures
- Supervise detailed design of the bridge improvement and other structures
- Supervise preparation of structural calculation and drawings
- Attend technical meeting with Client and other discipline for coordination of work
- Carry out value engineering for the preparation of alternative study for the reconstruction of existing bridges
- Prepare and monitor progress using PERT-CPM for the detailed engineering phase

Site Location:

Philippines