

RESUME
ANDRES S. ENCOMIENDA

Education: Bachelor of Science in Civil Engineering
Araullo University, Philippines 06/68 - 04/73
Registered Phil. Civil Engineer since 1974 with no. 13423

Bachelor of Science in Sanitary Engineering (units)
National University, Philippines 06/78 - 04/79

Date of Birth: November 30, 1951

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Nationality Filipino

EXPERIENCE HISTORY

ARABIAN CONSULTING ENGINEERING CENTER in collaboration with AKER SOLUTIONS
AL-KHOBAR, K.S.A.
(Previously affiliated with Stone & Webster, and Lummus)

Manager of Projects – August, 2007 to Present

Assigned as Senior Project Manager for Saudi Aramco Design Services Projects responsible for awarding and executing an average 80,000 man hours yearly.

Main function is to coordinate with the clients, assign Key Personnel and Project Managers for each Project, Participate in evaluating and negotiating Projects and Change Orders, Ensure sufficient number of technical staff, Interviews and recommends hiring/non hiring of various technical applicants.

Coordinate, Evaluate and Recommend solutions on various problems in the projects.

Act as Consultant in various technical problems regarding Civil, Architectural, and Structural Design Works. Review and provide assistance for all civil and structural calculations using different programs and templates.

Proposal Coordinator for all Aramco Design Services Projects and other Non-Aramco Projects.

CHIEF CIVIL/STRUCTURAL ENGINEER & PROJECT MANAGER - 1990 to July, 2007

Assigned as Senior Project Manager for Saudi Aramco Design Services Projects with an average 80,000 man hours yearly. Concurrently assigned as Chief Civil Engineer for 15 years with 24 Engineers and CAD Operators, coordinate and prepare different project proposals. Standardize and prepare design calculation templates. Review, evaluate and recommend technical solutions to design and analysis problems encountered by subordinates. Responsible for the complete preparation, analysis, design, QA/QC, estimate, and coordination of all Civil/Structural/Architectural design requirements with the aide of Computer Programs i.e., a) STAADPRO b) PCAMATS c) PCACOL d) EXCEL e) MATHCAD f) WATERCAD g) MS WORD for the following major projects:

SAUDI ARAMCO PROJECTS (Gas & Oil Infrastructures) - 01/2001 to Present – As GES Contractor, We awarded 60 different projects average a year, multi discipline work, with 80, 000 MH.

SWCC / TEKFEN – SWCC Desalination Projects

BAPCO – Upgrade of Vacuum Distillation Unit #6 Project
10/2000 to 02/2001

SAUDI ARAMCO – Offloading Rack Project and Bulk Plants Upgrade
06/2000 to 12/2000

SAUDI ARAMCO/MAC - Titanium Pipe Supports – Waste Water Treatment
06/2000 to 07/2000

ZAMIL/MARSHALL IND. and FOSROC – Structures using FRP – C-bar reinforcements and CFRP -
Exclusive Designer per Project

IBN SINA – MTBE Truck Loading Facilities
03/2000 to 06/2000

IBN SINA – Isopentane Export Plant Project
11/1999 to 03/2000

BAPCO – Upgrade of Platformer/Unifiner Project
01/1999 to 11/1999

ROYAL COMMISSION – Seawater Cooling Plant Project – Contract No. 072-C05
03/1998 to 12/1999

ROYAL COMMISSION – Seawater Off-take and Siphon #3 Project, 2.0 m & 3.6 m Diameter Pipe –
Contract No. 072-C37
03/1999 to 10/2000

SADAF MTBE TABLE TOP -Regenerator/Reactor - 5000 ton Capacity
SADAF COMBINED FLARE SYSTEM (200 m High)
SADAF REVERSE OSMOSIS WATER TREATMENT PROJECT (7000 cu. m./day Cap.)
03/1997 to 08/1998

SAUDI INDUSTRIAL RESIN PLANT (SIR) - VINYL ESTER PRODUCTION PROJECT
06/1997 to 02/1998

QGPC PROJECTS
10/96 - 03/97

Khatiyah South & North, and Dukhan Consolidated Pipelines - Degassing Project (35 KM)

SAUDI ARAMCO PROJECTS

01/96 - 01/97

Bulk Plants Modernization Project - 21 Bulk Plants Throughout the Kingdom of Saudi Arabia
Checking and Updating of All Civil /Structural Calculations of Rastanura Refinery Upgrade Package #2
4- Blast Resistant Control Buildings / Generator Buildings - Southern Area

ABV PROJECTS

08/95 - 01/96

SSSP Sites 1, 5 & 6 - Substation Buildings (1800 SM each)

SADAF AND BUGSHAN PROJECTS

04/95 - 10/96

- a) Covered Parking Area (200 Units)
- b) Warehouse Modifications (2000 SM)
- c) Sadaf Butane Pipeline (15 KM)
- d) 2-Four Storey A.S. Bugshan Buildings (8000 SM.)

SAUDI INDUSTRIAL RESIN (SIR) EXPANSION PROJECT (FIBERGLASS RESINS)

10/94 - 04/95

AOC PROJECTS

08/95 - 08/96

Switchgear Building and Cable Replacement

SCECO PROJECTS

03/93 - 08/93

115 KV, 69 KV and 33 KV Transmission Towers (60 KM)

SABIC PROJECTS

02/92 - 03/93

Polypropylene Catalyst Plant Project - Complete Detailed Design.

SAUDI ARAMCO PROJECTS

01/91 - 1997

- a) Ras Tanura Substations
 1. South Terminal Substation 48
 2. Substation 78/62
 3. Substation 72/46
- b) Upgrade of Abu-ali Control/Substation Buildings
- c) Abu-Safah Off-shore - Support of new Turbine Pump

- d) Modification of Offshore Control Room - Ju'aymah Gas Plant No. R91.
- e) Modification of Fluid Catalytic Control Unit - Jeddah Oil Refinery
- f) Modification of High Lift Pump Support - Rastanura Refinery
- g) Modification of Sulfur Control Building - Berri Gas Plant Nos. R64/R69/471/475.
- h) Heavy Haul Roads and Bridges - Ras Tanura Refinery
- i) Modernization of 22 Bulk Plants - All over the Kingdom

IBN SINA MIXED BUTANE PIPELINE PROJECT WITH ARAMCO JO#29570

Approximately 60 kilometers of pipeline from Ju'aymah to Jubail. The project requires complete design preparation using Saudi Aramco and Royal Commission Standards. The project involved the following major structures:

- a) Scraper traps (launcher/receivers), Jib Cranes
- b) Vertical rotating pumps - 500 HP
- c) Anchor blocks - above ground, full thrust, drag
- d) Pipe road crossings
- e) Steel platforms
- f) Metering stations
- g) Pipe supports, pipe sleepers, piperacks
- h) Site grading and development

SAMAREC

JIZAN BULK PLANT EXPANSION

Project requires complete engineering package for bidding in LSTK (Lump Sum Turn Key) basis. The project involved the following major structures:

- a) Tank farms for gasoline, diesel, fuel oil
- b) Loading rack facilities
- c) Industrial buildings such as Substation Building, Control House, Guard Houses, Pump Houses, Administration Bldg., Sales Building, etc
- d) Site development using the current SSD requirements
- e) Seawalls, seawater intake
- f) Roads and pipe road crossings
- g) Offshore platforms for scraper traps
- h) Modification of jetty and other structures

PETROKEMYA FEEDSTOCK PIPELINE (ARAMCO JO NO. 29540 - 65 KM)

- a) Sphere tank foundation
- b) Bullet tank foundation
- c) Pipe supports sleepers, pipe racks
- d) Anchor blocks-drag and full thrust
- e) Pump foundation
- f) Bund walls, jib cranes
- g) Pipe road crossing
- h) Metering station, scraper traps
- i) Site grading and development
- j) Valve platforms, etc.
- k) SSD fencing

ANDYMYR BUILDERS AND CONTRACTORS PHILIPPINES

Project Manager
07/85 - 01/90

Responsible for the complete execution, design and construction of the following:

- a) J. Maravilla Residence
Antipolo, Rizal
- b) L. delas Armas Commercial/Residential Two Storey Bldg.
Cainta, Rizal
- c) R. Alvarez Residence
San Mateo, Rizal
- d) Three Units Low Cost Housing Projects
Antipolo, Rizal

BLACK AND VEATCH ARABIA LTD. (BVA)
CONSULTING ENGINEERS AL KHOBAR, K.S.A.

Senior Civil Design Engineer
10/80 - 07/85

Responsible for the complete preparation and coordination of Civil / Structural design documents, and drawings. Various projects successfully completed are:

Aramco Projects

- a) Qassim Refinery - Pipe supports, Anchors, Sleepers, Hangers, Equipment Foundations
- b) GOSPS - 15 Laboratory and Chemical Storage Buildings
- c) Qatif LPG Truck Loading Facilities - Maintenance Building, Guard Barracks, Office / Cafeteria Bldg
- d) Ras Tanura - Terminal Training Facilities and Buildings
- e) Ras Tanura - Terminal Prayer Shelter

- f) Dhahran - Fire Station
- g) Al Hassa - Sewage and Drainage Pump Station
- h) Dammam - Sewage and Drainage Pump Station
- i) Al Khobar - 4 Aramco-Built Government Schools
- j) Berri - GOSPs 3 and 4 Drainage Improvement System
- k) Tanajib - Community Schools

Royal Commission Projects

- a) Jubail - TRADCO Housing
- b) Jubail - Elevated Steel Tank Foundations
- c) Jubail - Community Devt. Center-Sector Building

Eastern Province International Airport (EPIA)

- a) Main Field Office
- b) Airport Hangar
- c) Concrete Helipad
- d) Warehouse

Saudi Bahraini Cement Company

- a) Aindar Primary Gypsum Crushing Plant
- b) Crusher Machine Foundation

Private

- a) A.A. Turki Residence, Al Khobar, K.S.A.

Far Eastern University – Philippines 1978 to 1980 – Faculty Member teaching major Civil Engineering Designs, Theory of Structures and Earthquake Engineering.

NATIONAL POWER CORPORATION - PHILIPPINES

Principal Design Engineer
02/79 - 10/80

Responsible for complete preparation and coordination of civil / structural design documents/specifications/drawings of the following projects:

- a) Tagoloan Substations - Control Building, Equipment Foundation, Site Development, Transmission Tower.

Senior Civil Design Engineer

04/77 - 01/79

- b) Cebu II Diesel Power Plant - Powerhouse, Site Development, Office and Control Building, Machine Foundations, Crane Girders, Equipment and Pipe Supports.
- c) AGUS Hydroelectric Plant - Power Intake, Retaining Walls, Waterways, Bridge, Gantry and Jib Cranes.
- d) Panay Diesel Power Plant - Powerhouse, Site Development, Office and Control Building, Machine Foundations, Crane Girders, Equipment and Pipe Supports.
- e) Visayas Power Plant Barge - Mooring Facilities, Bridge (steel), Shore Protection and Breakwaters.
- f) Lumban Kalayan Relocated Highway - Geometric and Slope Analysis, Plans and Profiles, Bridges.
- g) NPC Housing Projects - include Guest House, Low Cost Housing, Elevated Steel Tanks, Drainage System, Site Development.
- h) Suspension Bridge - for light vehicles using strand steel wires at catenary curve.

S.T. TEGONCIANG CONSTRUCTION - PHILIPPINES

Civil Engineer

03/75 - 09/975

Design & Supervision of various construction works such as Mausoleum and Three-Storey Apartments in Paranaque

NATIONAL IRRIGATION ADMINISTRATION (NIA) - PHILIPPINES

Engineer Trainee

10/73 - 03/75

Analyze, design and prepared drawings of various waterway structures as required by Chief Civil Engineer. Field inspection and supervision of various construction works such as Waterways, Basins and Concrete Bridge Structures, Inverted Siphons, Culverts, Parshall Flumes, Earth Dikes, etc.

Draftsman

01/71 - 09/73

Drafting of as-built drawings such as water intake, retaining walls, box culverts, siphons, channels, etc.