



# Project Portfolio

## MAJOR COMPLETED PROJECTS

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### INTERNATIONAL PROJECTS

#### Middle East

##### Power Plant & Transmission/Substation

###### **Mitsubishi Heavy industries**

8 X 350 MW Azzour Power Plant 1984-1988  
**Saudi Arabia**

###### **National Pipe Company**

NPC Pipe Manufacturing Equipment Installation 2000-2001

###### **Mitsubishi Heavy Industries, Ltd.**

4 X 600 MW Ghazlan II Power Plant Project 1998-2001  
Assir Power Plant 1986-1989  
250 MW Rabigh Power Plant 1984-1985

###### **Bechtel Overseas Corporation**

Shoaiba Power Plant Electromechanical Works 1996-1999

###### **Saudi Consolidated Electric Company**

CCTG Faras Power Plant 1983-1984  
2 x 400 MW Ghazlan Power Plant 1979-1982  
66.8 MW Shedgum Power Plant 1979-1982  
230 Kv Transmission Power Line 1978-1979

##### Oil and Gas Projects

###### **Iraq**

###### **Ishii Iron Works/Mitsubishi Heavy Industries Ltd.**

Dismantling and Reconstruction of Ammonia  
Tank in Al-zubair, Basra 1983-1984

###### **Kuwait**

###### **Kuwait Oil Company/Bechtel Overseas Corp.**

Al -Tameer Project (Reconstruction of Iraq) 1991-1994  
Al-Awda Project (Fire Fighting) 1991-1993

###### **JGC Corporation/Kuwait National Petroleum Corp.**

Replacement of Refrigeration System at Mina  
Ahmadi Refinery 1988-1989

<b>Braun Transworld Corporation</b> Kuwait National Petroleum Corporation's Mina Abdullah Refinery Modernization Project	1984-1988
<b>Al Ghazal Construction &amp; Development Co.</b> Kuwait National Petroleum Corporation's Mina Abdullah Refinery Modernization Project - Revamp Frequency Conversion Building	1985-1986
Kuwait National Petroleum Corporation's Mina Abdullah Refinery Modernization Project-Main Substation Bldg. Petrochemical Engineering Limited	1985
Linear Low Density Polyethylene Plant	1983-1984
<b>Saudi Arabia</b>	
<b>Chiyoda Petrostar Ltd.</b> JUPC Ethylene Plant	2002-2004
<b>AMEC BKW, Ltd.</b> Berri Gas Ethane Recovery Plant	2000-2002
<b>Pritchard Al-Bassam Co., Ltd (KSA)</b> Shedgum Gas Plant Debottlenecking Project	1997-2000
<b>KRUPP-UHDE GmbH</b> Petrolex - Polypropylene Project	1996-1998
<b>Technip Saudi Arabia Limited</b> Furnace Erection Project	1982-1983
<b>Saudi Arabian Bechtel Co. (SABCO)</b> 5 x 115 MW Shoaiba Power Plant Ethylene Separation & Utility Areas above Grade Project	1998-2003 1982-1984
<b>Petrochemical Engineering Limited</b> Linear Low Density Polyethylene Plant	1982-1984
<b>Eastern Petrochemical Company (Sharq)</b> Temporary Facilities Work Step III	1983
<b>Chiyoda Sharq Petrochemicals</b> Management and Operation Services for the Sharq Petrochemical Project	1983-1984
<b>PETROLA International</b> Painting and Insulation Sub-contract (On-site) Rabigh Refinery Complex	1985-1986
Painting and Insulation Sub-contract (Off-site) Rabigh Refinery Complex	1985-1986
Electrical and Instrumentation Sub-contract (On-site) Rabigh Refinery Complex	1985-1986
Mechanical Erection Sub-contract (On-site) Rabigh Refinery Complex	1983-1984

**ARAMCO**

Modifications for E/W Pipeline Loop Project	1986-1989
Equipment Maintenance Operation Services	1983-1984
Bern Off-site	1983-1984
Completion of Construction of Utmaniyah Gas Plant & Related Facilities	1983-1985
GOSP-3 Wet Crude Facilities Shedgum	1983-1984
On and Off Plot Works GOSP-3 Abqaiq	1983-1984
Provision of Commissioning Services at ARAMCO Terminal Department Plants	1982-1984
Gas Metering Stations Southern Asia	1982
Fire Training Ground Relocation and Tie-ins for the On-shore Gas Gathering Facilities	1982
Revamp GOSP-1	1980-1981
NGL Center Underground Piping	1978-1979
Plant 490 NGL	1976-1977

**Chiyoda Petrostar Limited**

Construction Works Off-site B for Petronin Mobil Yanbu Export Fuel Refinery Project	1981-1984
Management and Operations Services for the Petronin MobilYanbu Export Refinery Project	1981-1985

**Arabia Bechtel Co.**

Saudi Yanbu Petrochemical Yanbu Off Plot Areas Below Grade	1982-1983
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**Hazama Gumi Limited/Chiyoda Petrostar Limited**

Petromin Mobil Yanbu Export Fuels Refinery Project	1982-1984
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**Qatar****Darwish Chiyoda Keiso (Qatar)**

Electrical and Instrumentation Works for MTBE/Methanol Facility	1998-1999
Electrical and Instrumentation Works for Qatargas Project Train 3	1997-1999

**Oman****Toyo Kanetsu KK. (Oman)**

Oman Liquefied Natural Gas Plant and Tanks	1997-1999
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**Infrastructure and Commercial****Al-Khamis Trading Corporation**

Al-Qurain Housing Project (93 units)	1990
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**ARAMCO**

Utilities Construction Camp (Water and Sewerage)	1981-1982
Saudi Arabia Government School	1978-1979
Water Injection Facilities and Firewater Systems	1977-1979
Community Utilities	1977-1979
Water Treatment Plant	1978-1979
Udhailiyah Medical Clinic	1980
Alfarah 3-10 Gymnasium	1979-1980

## **Asia Pacific**

### **Power Plant & Transmission/Substation**

#### **For Export to Japan**

##### **Mitsubishi Heavy Industries, Ltd.**

Boiler Modular Assembly Work for Kansai Electric Power Company 2001-2002

Boiler Modular Assembly Work for Kin Power Plant Station 1B & 2B for Okinawa Electric Co. 1999-2001

### **Oil and Gas Projects**

#### **Malaysia**

##### **JGC Corporation Engineering & Construction Co.**

Shell Middle Distillate Synthesis Plant Project 1992-1994

Kertih "B" Gas Compression Plant 1993

#### **Brunei**

##### **Toyo Kanetsu K.K.**

Brunei LNG Tank Project 1991-1993

#### **Voest Alpine**

CSP/GPA Plant 1990-1991

### **Airport Projects**

#### **His Majesty's Government of Nepal**

V.O, No. 28 Intl. Airport, Kathmandu, Nepal 1986-1987

V.O, No. 16 Intl. Airport, Kathmandu, Nepal 1983-1985

## **PHILIPPINE PROJECTS**

### **Power Plant & Transmission/Substation**

#### **Philippine National Oil Company-Energy Development Corp.**

Leyte Geothermal Production Field Refurbishment Work	2001-2002
125 MW Leyte Geothermal Power Plant	1994-1995
55 MW Leyte Geothermal Power Plant	1995
55MW Bacman II Geothermal Power Plant	1991-1993
110 MW Tongonan Geothermal Power Plant	1980-1982
Sari Roque Spillway Radial Gates	2001

#### **Ishikawajima Harima Heavy Industries**

San Roque Multipurpose Project – Gates	2001
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#### **Bechtel Overseas Corporation**

440 MW Quezon Power Plant	1997-1999
2 x 300 MW Masinloc Coal Fired Power Plant	1996-1998

#### **TOA Corporation**

2 x 300 MW Masinloc Coal-Fired Power Plant - Civil Works	1997-1999
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#### **ABB Power Inc.**

Leyte-Luzon HVDC Power Transmission for NAGA/O RMOC Converter Station	1997
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#### **Mitsubishi Heavy Industries, Ltd.**

1 x 52 MW Mindanao Geothermal Power Plant	1997-1999
2 x385 MW Pagbilao Coal-Fired Thermal Power Plant - Electro-mechanical Works	1992-1996
Manito II Geothermal Power Plant	1991-1993

#### **Black & Veatch International**

2 x 385 MW Pagbilao Power Plant - Balance of Plant	1994-1996
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#### **Fluor Daniel/Enron Power**

105 MW Pinamucan Diesel Power Plant	1993
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#### **Semirara Coal Corporation**

7.5MW Semirara Captive Power Plant	1982-1983
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#### **Simmering Graz-Pauker/NPC**

55MW Naga Coal-Fired Thermal Power Plant	1984-1986
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#### **Westinghouse International**

Philippine Nuclear Power Plant - Water Distribution and Embedments	1977-1985
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#### **National Power Corporation**

Makban Geothermal Power Plant	1995
Agus II & IV Penstock	1976-1980

#### **GEC Alstom**

2 x 609 MW Sual Coal Fired Power Plant Boiler & Turbine Package & Fuel Gas Desulphurization	1997-1999
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<b>IMPISA Construction Corp.</b> Kalayaan Pump Storage	2002-2003
<b>Kawasaki Plant Constrction Inc.</b> 210 MW Mindanao Coal Fired Power Plant	2005-2006
<b>Elektrowatt-Ekono</b> UPPC Coal Fired Power Plant Boiler Erection Package	2004-2005
<b>Trans Asia Power/Hi-Cement Corp.</b> 50Mw Diesel Power Plant	2003-2004

### **Oil and Gas Projects**

<b>Shell Philippines Exploration B.V./Foster Wheeler Corp.</b> Mechanical, Electrical and Instrumentation Works for Malampaya Onshore Gas Plant	2001
<b>Pilipinas Shell Petroleum Corporation</b> Secured Capacity Iranian Light (SCIL)	1996
Drainage Facilities in the South Annex Area	1996
Bitumen Blowing Facility	1995
Bitumen Export Facility	1995
Refinery Drainage Improvement	1995
Propane Vent System Revamp	1992
Shell Tabangao Asset Refinery (STAR)	1992-1994
LPG Satellite Plant	1984
<b>Daelim Engineers and Constructors</b> Petron Bataan Refinery Expansion! Group A & B	1997-1999
<b>Caltex Philippines, Inc.</b> New 37F-1 Convection Section	1998
IROC	1995
Non-piled Foundation (CN 632)	1993
DEGS Main Building and Switchgear	1992
Crude Distillation Unit 2 Conversion	1983
<b>Petron Corporation</b> ASP-1 Debottle-necking Phase 2	1995
Tankage Rationalization	1995
F101 Furnace Associated Facilities	1994
<b>UHDE</b> Polyethylene Plant Expansion	1997-1999
<b>JG Summit Petrochemical Corporation</b> Bi-Axial Polyethylene Project	1996-1998
<b>Red Circle Corporation</b> Batangas Polyethylene Plant - Electromechanical Works	1996-1998
<b>CTCI Corp.</b> LVN Isomerization / GOHT Erection	2004

## **Water and Sewerage Systems Project**

### **Metropolitan Waterworks and Sewerage System**

Rehabilitation of Pumping Stations (Contract CTMSSP-4)	2001-2003
Rehabilitation of Pumping Stations (Contract PS-1/PS-3)	2000-2001
Pipelining Works (Contract NRW)	2001
Rehabilitation of Pumping Station 1B/1C	1996-2000
Rehabilitation of Seven Lift Pump Station (PS-2)	1982-1986

### **National Irrigation Administration**

Gatid Pipelines	1982-1983
Magat River Bridge and Gates	1978-1979

## **Telecommunication System Projects**

### **Philippine Long Distance Telephone Company**

Valencia Relay Station	1998
Mactan Hangar and Storm Drain	1996
Binacayan Relay Station	1992
Siniloan Relay Station	1992
Subic Toll Center Building	1989
Manticao Relay Station	1988

### **Department of Transportation and Communications/Thomson CSF NCS France**

Global Maritime Distress Signal System Support Facilities	1998-1999
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## **Infrastructure Projects**

### **Roads**

#### **Department of Public Works and Highways**

Tabon-Tabon-Sibagat-Bayugan	2000-2004
Maramag-Kibawe-Kabacan Road	1999-2003
Alcala-Allacapan Section, Aritao-Allacapan Road Rehab.	1997-2000
Iguig-Alcala Section, Alcala-Allacapan Road Phase VIII-A	1998-2001
Argao-Bato Road Project	1989-1993
Mindanao Secondary & Feeder Roads, Package IB	1984-1988
Mindanao Secondary & Feeder Roads Package II	1981-1985

#### **Light Industry and Science Park**

Roads and Utilities (Phase 4)	1993
Roads and Utilities (Phase 3A)	1993
Roads and Paving	1993

#### **The Provincial Government of Cebu**

Cebu Provincial Road, Ph. I Province of Cebu	1989-1990
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### **Bridges**

#### **Mitsubishi Heavy Industries, Ltd.**

Guadalupe Bridge, Fabrication and Erection Works Cleveland Structural Engineering, Ltd.	1997-1998
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<b>Tsing Ma Bridge, Lantau Fixed Crossing, Hongkong</b> Fabrication Works	1996
<b>Department of Public Works and Highways</b> Mabalacat Bridge, Fabrication Works	1997-1998
<b>National Irrigation Administration</b> Magat River Bridge	1978
<b>Light Industry and Science Park</b> Pulo Interchange (Ramps) Bridge and Access Road (Phase 3B) Access Bridge (Phase 3B)	1996 1994 1994
<b><u>Railways</u></b>	
<b>Sumitomo Corporation/Mitsubishi Heavy Industries</b> Metro Rail Transit 3 - Civil Works/Overhead Catenary System	1997-2000
<b><u>Airports &amp; Runways</u></b>	
<b>Takenaka Corporation</b> NAIA 3 Elevated Roadway Package NAIA 3 Sub-base Course Package NAIA 3 Headhouse & Carpark Package	2000-2002 2002 1998-2002
<b>Manila International Airport Authority</b> Rapid Exit Taxiways NAIAA Terminal II Dev. Pasay City NAIA Runway 06 Extension and 06/24 Overlay Repair & Overlay of NAIA Runway 13/31 NAIA IPT-3 Elevated Roadway Package NAIA Runway 06/24 NIA-Horizontal Project Manila International Airport 06/24	1997 1994-1996 1991-1992 1989-1993 1988 1996 1981-1982
<b>Department of Transportation and Communications</b> Mactan International Airport Province of Cebu	1993-1996
<b>Philippine Air Force</b> Palawan Airport. Puerto Princesa, Palawan	1976
<b>US Government</b> Voice of America Relay Station, Tinang, Tarlac Parallel Runway Clark Air Base, Pampanga Various contracts, Clark Air Base, Subic Naval Base, CUBI, Camp O'Donnel Sangley Point Naval Station	1994-1996 1989-1991 1966-1970 1988-1989
<b>Armed Forces of the Philippines</b> BASA Runway, Basa Air Base Pampanga	

## Seaports

<b>Dumaguete Coconut Mills, Inc.</b> Ducom Pier Expansion	2002
<b>Department of Transportation and Communications</b> Davao Fishing Port	1993-1997
<b>Department of Public Works and Highways</b> Iloilo Fishing Port	1982-1985
<b>Philippine Ports Authority</b> Baangas Port Development	1997-1998

## Land Development

<b>Light Industry and Science Park</b> Cebu Light Industrial Science Park - Site Development	1997
<b>Mega World Property &amp; Holdings Corporation</b> Land Development Works for Eastwood City	1996
<b>Amtrust Holdings</b> Site Utilities (Enchanted Kingdom) Roadways and Parking (Enchanted Kingdom)	1994 1995
<b>Proctor and Gamble</b> Site Grading Works Project Aquarius	1994 2002

## Industrial Plant/Allied Projects

### **Semiconductor**

<b>Ionics Circuit, Inc.</b> Ionics Circuit Plant	2000
<b>Stancrest Realty</b> ATEC Semiconductor Building Pahse II	2000
<b>Analog Devices</b> Process Piping, Exterior Insulation and Finish System & Life Safety System Testing Laboratory	2000 1996
<b>Philips Semiconductor Phils.</b> PSP2-I.D. Fit Out Works PSP2-1C Plant	2000 1999
<b>Intel Technology, Phils.</b> Y2K Generator Set Plant	1999
<b>Gotoh Phils. Corporation</b> Gotoh Philippine Plant	1995
<b>Stancrest Realty Corp. / ATEC</b> Semi-conductor Building Ph. 2 (CSA Package)	2000

<b>Edward Keller Phils.</b> Philip Morris Diet Plant	2003
<b>Lufthansa A330 / A340</b> Overhaul Projects	2002
<b>Foods</b>	
<b>Food and Beverage Manufacturing</b>	
San Miguel Corporation	
Polo Brewery Plant	1996
Davao Brewery Plant	1995
2 Tin Can Plant	1995
Mariveles Grains Facility	1995
Mandaue Brewery Plant	1993
Campofrio Meat Plant	1991
<b>La Tondena Distillers, Inc.</b>	
Plant Expansion	1997-1999
Fabrication of Various CO2 Storage Tanks	1997
Bago City Alcohol Plant	1994
<b>Purefoods Corporation</b>	
Mabini Flour Mill Expansion	1993
Sta. Rosa Ice Cream Plant	1993
Sta. Rosa Noodles Plant	1992
Mabini Flour Mill Complex	1991
<b>Central Azucarera de Don Pedro</b>	
Machinery and Equipment Foundation	1991-1992
<b>Wrigley Phils,</b>	
New Chewing Gum Plant	1999
<b>Jollibee Foods Corp.</b>	
Jollibee New Commissary	200-2004
<b>SMC/Beverage Packaging Specialists Inc.</b>	
SMC-PET (Manufacturing Plant Facility Project	2002-2004
Magnolia Ice Cream Plant	2005
<b>UNILAB INC.</b>	
Small Volume Solids Plant	2005-2006

## **Automotive**

### **Ford Motors - Kajima**

Construction of Road and Drainage for Ford Assembly Plant 1998-1999

### **Isuzu (Philippines), Inc.**

Sta. Rosa Assembly Plant 1997

Sta, Rosa Transmission Plant 1997

## **Packaging Facilities**

### **Pulp and Paper**

#### **Steniel Manufacturing**

Steniel 2000 Plant 1994-1995

### **Glass**

#### **Republic Asahi Glass Corporation**

Figured Glass Plant 1996

Glass Tempering Plant 1991

Hydrogen and Nitrogen Plant 1990

Main Power Station Building 1990

#### **SAN MIGUEL YAMAMURA ASIA CORP.**

SMY 2<sup>nd</sup> Furnace project 2005-2006

## **Metals**

### **Philippine Associated Smelting and Refining Corporation**

Installation of Electrical and Installation for Oxygen Plant 1992

#### **Philippine Steel Coating Corporation**

Galvanizing Plant 1980-1981

#### **National Steel Corporation**

Generic Electro-mechanical Works 1990-1995

Two (2) Stand Temper Mill 1988-1989

## **Mining**

### **JGC Philippines**

Rio Tuba HPAL Nickel Plant 2003-2004

### **Benguet Corp.**

Antamok Gold Plant 1991

### **Outokumpu OY Ltd.**

Pasar Expansion Project Mechanical Works Package 1992

## **Cement**

### **Republic Cement Corporation**

Civil Works Lot 1	1995
Civil Works Lot 2	1995-1996
Electrical Erection (H V/MV)	1997
Coal Grinding Plant	1997
Finish Mill No.5 Erection	1996
Raw Mill, Preheater, Kiln	1996
Packing Plant, Bag Loading Station	1996
Limestone Hall, Additive Hall	1996

### **Solid Cement Corporation**

Pregrinder Mill and Building	1995
Erection of Preheater Tower	1992
Rehabilitation and Erection of Finish Mill No.3	1991

### **Bacnotan Cement Corporation**

Two (2) Units Cement Silo	1992-1993
Construction of Raw Mill Silo	1992-1993

### **Hi-Cement Corporation**

50MW Diesel Power Plant	1996-1997
Construction of Finish Mill #4	1996
Construction of Pre-heater/CF Silo Foundation	1995-1996
Installation of Coal Mill & LST Conveying System	1991
Electrostatic Precipitator Foundation	1991-1991
Coal Grinding Plant	1990

### **Fortune Cement Corporation**

Installation of Clinker Cooler	1997
Feeding and EGB Installation	1997
Installation of Mechanical Equipment of Limestone Crusher 850 TPH	1997
Pre-heater Tower	1996

### **Davao Union Cement Corporation**

Construction of Raw Material Handling Facility	1997
Crushing Plant	1996
Raw Mill Grinding Plant Mechanical Installation	1995
2 x 25,000 Ton Capacity Clinker Silo and 2,000 Ton Capacity Limestone Silo	1994
Finish Mill	1994
Pre-heater	1994
Structural Installation Works	1982-1983
Civil Works and Conveying System	1981

### **Continental Cement Corporation**

Cement Plant Expansion Phase II	1997-1999
Cement Plant Expansion	1998

### **APO Cement Corporation**

Fabrication of Mechanical Items	1995
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**Solid Cement Corporation**

Limestone Conveying System 1992-1993

**Pacific Cement Corporation**

Raw Material Handling & Storage System 1997-1998

Blending / Homogenizing & Kiln Feed System &  
Duct Works (Package 3 & 4) 1997-1998

**Building Projects****School**

Pandacan Science High School Building 2005  
De La Salle Administration Building 2002  
Mapua Institute of Technology 2001-2002  
PLM College of Law, Medicine and Library 1996

**Mall**

Edsa Central Major Shops Renovation 2002-2003  
Pacific Mall Lucena 2002-2003  
Robinsons Iloilo Mall 2001  
Shopwise Center #3 2001  
Gas Plaza Retail Development 2001  
National Bookstore (Mechanical Works) 2000  
Pilipinas Makro 2000  
Greenfield Development Corporation Shaw Avenue Station  
Commercial Development 1999  
Megacenter - Shopping Mall 1997  
World Trade Center Exhibit Hall 1997

**Hospital**

100-Bed Charity Hospital 2001  
Medical City Substructure Works 2001

**Hotel & Condominium**

55-Storey Pacific Plaza Towers 2000  
42-Level Robinsons Place Residence 1998  
Linden Suites 1998  
Kingswood 28-Storey Twin Tower 1997

**Office**

One Legaspi Park 2002-2005  
GA Tower I 2004-2006  
Insular Life Center (38-Level and 28-Level) 2001  
RCBC Plaza Superstructure and  
Executive Office Fit-Out Works 2000  
Alliance Francaise De Manille Head Office 2000  
Northgate Cyberzone 2000 2000  
46-Storey Philam Life Towers 1998  
Asian Star- Superstructure (Concreting Works) 1997  
56-Storey Pacific Plaza Towers 1997  
Kingswood 28-Storey Twin Tower 1997