



**TOYO  
CONSTRUCTION  
CO., LTD.**

## General Information

Company Name: Toyo Construction Co.,Ltd.  
 Head Office: 2-4-24, Aomi, Koto-ku,  
 Tokyo 135-0064,Japan  
 Tel: 81-3-6361-5480 Fax: 81-3-5530-2910  
 Establishment: July 3, 1929  
 Paid-in Capital: ¥ 10,683 million

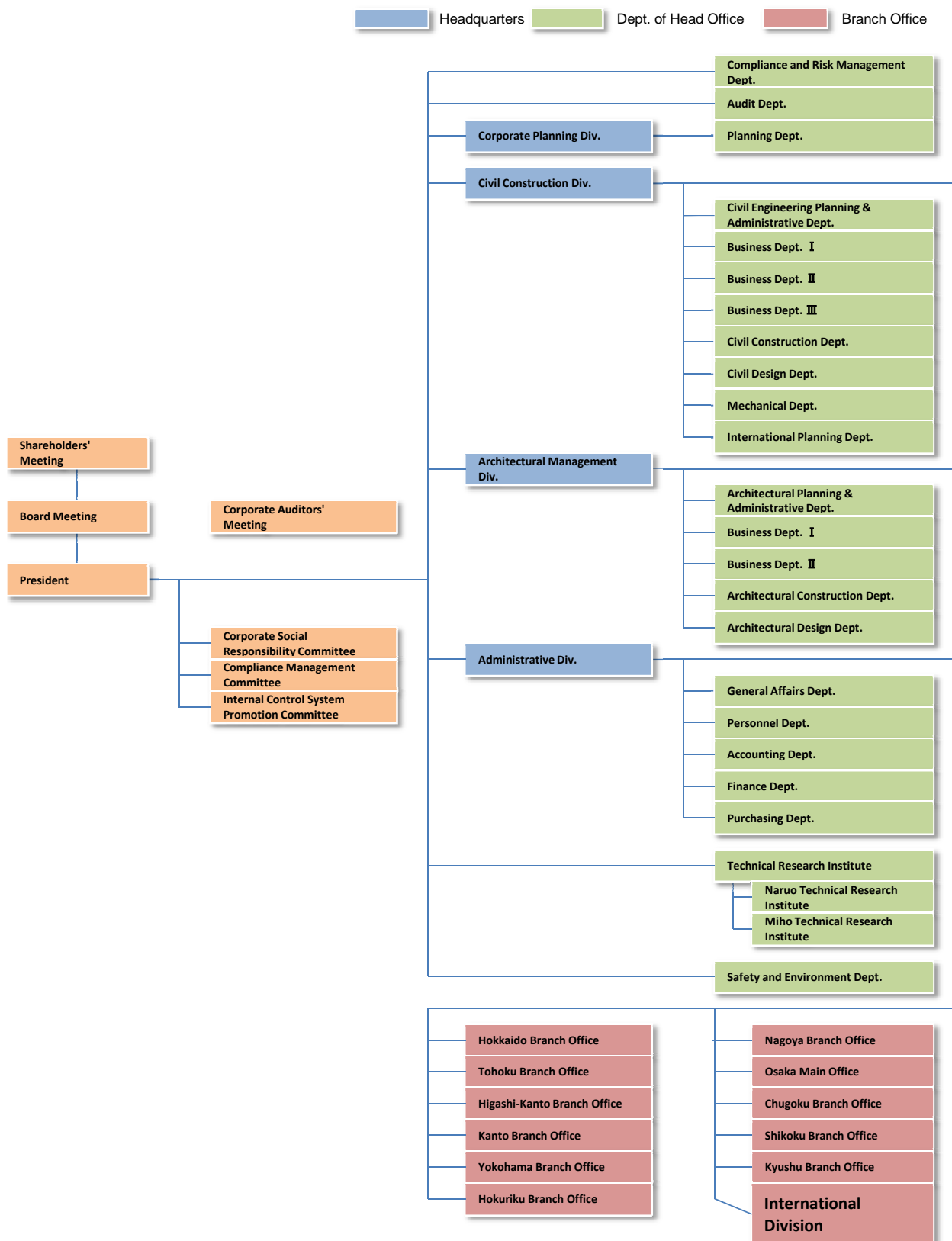
## Number of Employees

(As of March 31,2011)

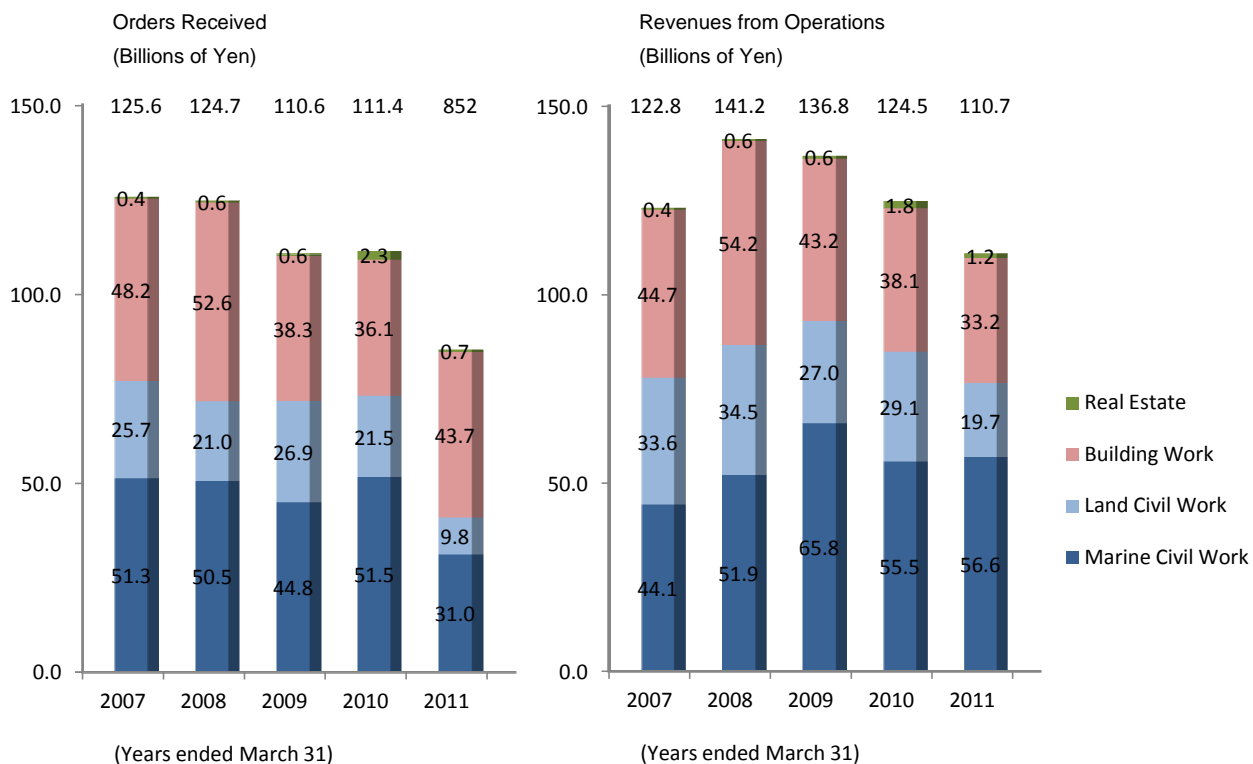
Technical Engineers	1,037
Administrative	271
	1,308

The 1,037 technical engineers collectively hold 142 registered consulting engineer certifications, 99 first-class architect licenses and 1,019 first-class supervisor licenses.

## Corporate Organization



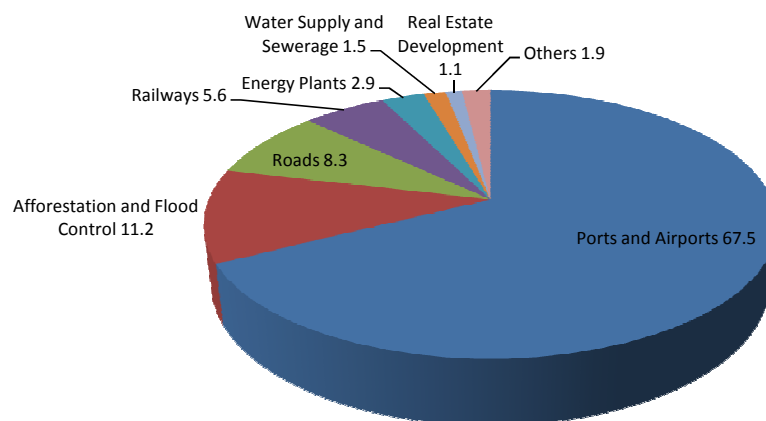
## Business Activities



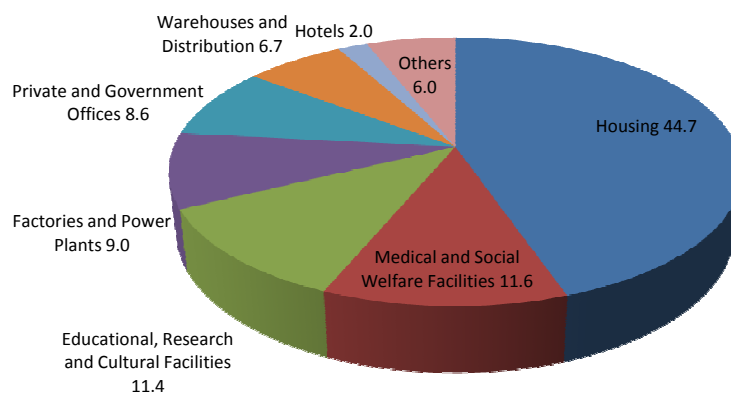
## Types of Projects Completed

(Fiscal year ended March 31, 2011)

Civil Engineering (%)



Architectural Engineering and Construction (%)



## *Board of Directors*

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### **Chairman**

Norihiko Akai <sup>2</sup>

### **President**

Shigeki Mohri <sup>1,2</sup>

### **Vice President**

Masataka Maeda <sup>1</sup>

Hidetsugu Oe <sup>1</sup>

### **Directors**

Yoshito Nakamoto <sup>1</sup>

Shuichi Hamabe <sup>1</sup>

Seiichi Futanami <sup>1</sup>

Yoshikazu Katayama <sup>1</sup>

Kyoji Takezawa <sup>1</sup>

1. Dual appointment as Executive Officer

2. Representative Director

## *Overseas Business Organization*

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### **International Division**

2-4-24, Aomi, Koto-ku, Tokyo 135-0064, Japan

Tel: 81-3-6361-5480/5481

Fax: 81-3-5530-2910

### **Philippine Branch**

4th Floor, Princess Building, 104 Esteban Street

Legaspi Village, Makati, Metro Manila, Philippines

Tel: 63-2-812-1496

Fax: 63-2-818-2940

### **Phnom Penh Office**

Unit 108 Hong Kong Center, Preah Sothearos

Chack Domuk, Daun Penh, Phnom Penh, Cambodia

Tel: 855-23-213-300

Fax: 855-23-214-300

### **Hanoi Office**

9th Floor, 57 Quang Trung Building, 57 Quang Trung Street,  
Hai Ba Trung District, Hanoi, Vietnam

Tel: 84-4-3944-5241/5242

Fax: 84-4-3944-5243

## *Corporate Auditors*

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Minao Jono

Yoshitsugu Sakata

Kazuya Tokunaga

Toshitsugu Kawasaki

### **Jakarta Office**

12th Floor, Menara Cakrawala, J1.M.H. Thamrin No.9

Jakarta 10340, Indonesia

Tel: 62-21-390-2433

Fax: 62-21-314-8404

## *Executive Officers*

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### **Managing Executive Officers**

Takayoshi Nose

Kenji Sekiguchi

Hideaki Maniwa

Kiyofumi Miyawaki

Etsuro Moriyama

### **Executive Officers**

Masayuki Seo

Michio Miyake

Shingo Sekiguchi

Ryoichi Maeda

Masaya Kiwata

Kentaroh Ikeda

**Shunsuke Sugimoto** (General Manager of International Div.)

Toshihiko Mabuchi

Hiromi Hirata

Nobuyuki Kawase

## *Overseas Affiliates*

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### **CCT Constructors Corporation**

3rd Floor, Princess Building, 104 Esteban Street,

Legaspi Village, Makati, Metro Manila, Philippines

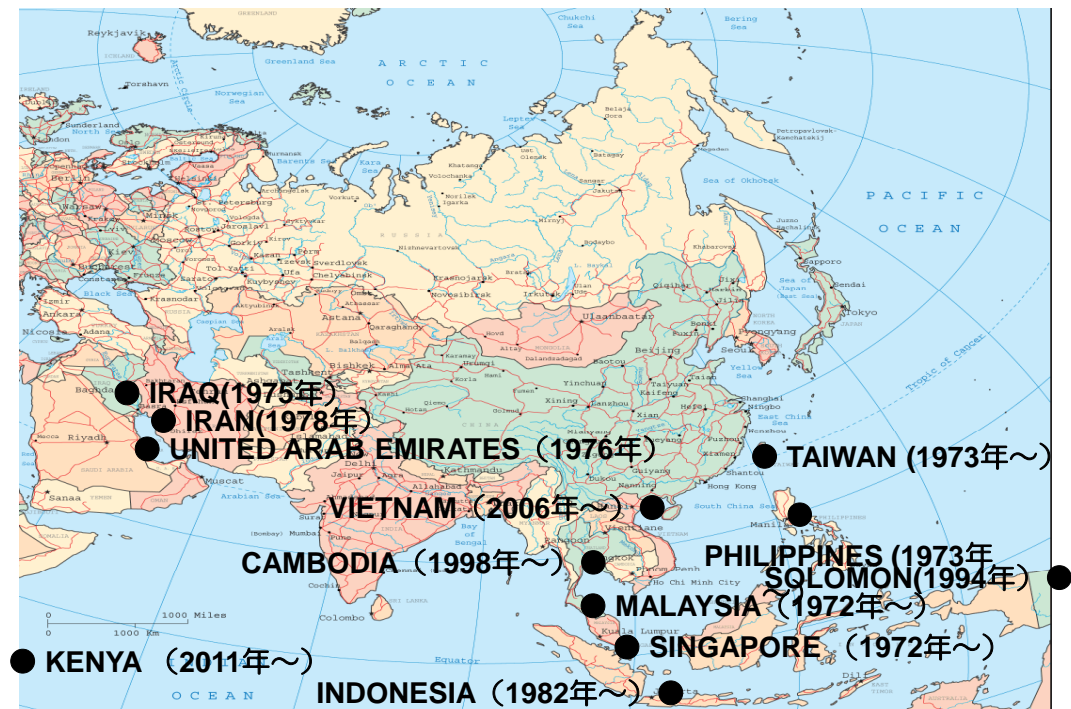
Tel: 63-2-810-2001

Fax: 63-2-811-3090

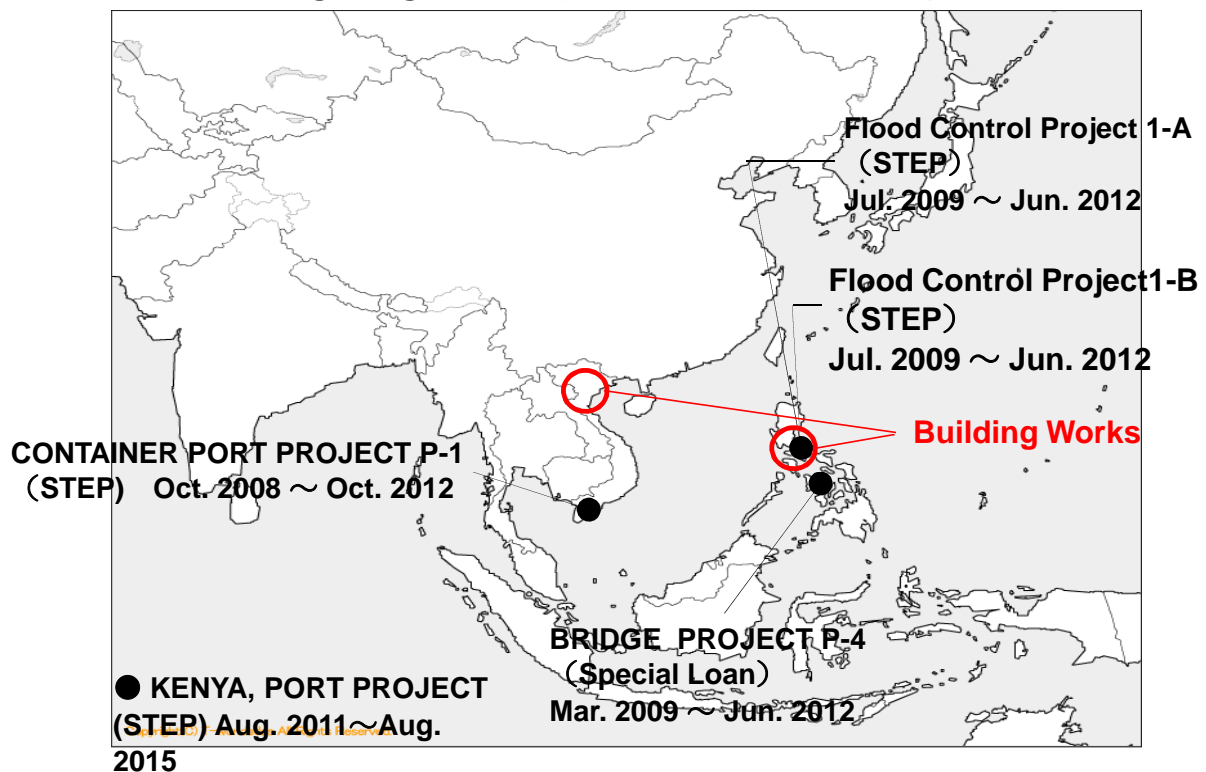




# Overseas Experiences History



## On-going Principal Overseas Projects



## *Port Facilities*

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**JOHOR PORT OIL JETTY WORK**  
**MALAYSIA**



**P.S.C. PORT FACILITIES MAIN & CARGO BERTH WORKS**  
**PHILIPPINES**



## *Port Facilities*

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**GATX TERMINAL FACILITIES CONSTRUCTION PROJECT  
SINGAPORE**



**SHELL GAS - LPG TERMINAL TABANGO PROJECT- LOADING JETTY WORKS  
PHILIPPINES**

## ***Port Facilities - Container Terminal***

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**MINDANAO CONTAINER TERMINAL PROJECT (Phase 1)**  
**PHILIPPINES**



**Cai Mep International Container Terminal Project (on-going)**



**Soil Improvement (PVD) of Reclamation Area**



## *Port Facilities - Dry Dock*

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KEPPHIL BATANGAS 40,000 DWT DRY DOCK & QUAY PROJECT  
PHILIPPINES

## *Port Facilities - Reclamation Work*

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NAVOTAS FISHERY PORT PROJECT  
PHILIPPINES



# *Reclamation*

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RECLAMATION WORK AT CHANGI EAST PHASE-1A  
SINGAPORE

CHANGI AIRPORT  
RECLAMATION PROJECT  
SINGAPORE



LABUAN RECLAMATION PROJECT  
MALAYSIA

# *Dredging & Reclamation*

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**SHARJAR PORT DEVELOPMENT PROJECT  
SHARJAH**



**CEBU SOUTH RECLAMATION PROJECT  
PHILIPPINES**



**CAI MEP - THI VAI INTERNATIONAL PORT CONSTRUCTION PROJECT  
NAVIGATION CHANNEL DREDGING WORKS  
VIETNAM**



# Bridges

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THE PROJECT FOR  
CONSTRUCTING BRIDGE  
ALONG RURAL ROADS  
(PHASE II, GROUP 2)  
PHILIPPINES

## **BINAMBANG BRIDGE**

*Balayan, Batangas*

THE PROJECT FOR  
CONSTRUCTING BRIDGES  
ALONG RURAL ROADS  
(PHASE III, GROUP 2)  
PHILIPPINES



**MANGKUYOG BRIDGE**

*Nueva Ecija*



## **ANAS BRIDGE**

*Naval, Biliran Sub-Province, Leyte*

THE PROJECT FOR  
CONSTRUCTION OF  
BRIDGES ALONG  
RURAL ROADS IN  
MINDANAO AREA  
(PHASE V, GROUP 2)  
PHILIPPINES



**PAGATPAT-SAN SIMON BRIDGE**

*Cagayan de Oro City, Misamis Oriental*



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**AGNO & ALLIED RIVERS  
URGENT REHABILITATION  
PROJECT, PHASE I  
PHILIPPINES**



**BUGALLON BRIDGE**

*Bugallon, Pangasinan*



**MAMBOLO BRIDGE**

*Benguet, CAR*

**THE PROJECT FOR  
CONSTRUCTION OF  
BRIDGES ALONG  
RURAL ROADS IN  
NORTHERN LUZON  
(PHASE VI, GROUP 2)  
PHILIPPINES**

**ORMOC FLOOD  
MITIGATION PROJECT,  
PHASE I  
PHILIPPINES**



**ANILAO BRIDGE**

*Ormoc, Leyte*



**OSMENA EXT. BRIDGE**

*Ormoc, Leyte*

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THE PROJECT FOR THE BRIDGE CONSTRUCTION FOR  
EXPANDED AGRARIAN REFORM COMMUNITIES DEVELOPMENT  
PHILIPPINES



**BAZAL BRIDGE**  
*Aurora Province*



**BAZAL BRIDGE**  
*Aurora Province*



**BAZAL BRIDGE**  
*Aurora Province*



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**URGENT BRIDGES CONSTRUCTION PROJECT FOR RURAL DEVELOPMENT, CP-1, CP-III  
PHILIPPINES**



**SARRAT BRIDGE, CP-I**  
*Sarrat, Ilocos Norte*



**QUIRINO BRIDGE, CP-I**  
*Banaoang, Bantay, Ilocos Sur*



**PANTAL BRIDGE, CP-III**  
*Dagupan City, Pangasinan*



**AMBURAYAN BRIDGE, CP-I**  
*Tagudin, Ilocos Sur-Sudipen, La Union*



**KALING BRIDGE, CP-I**  
*Bashoy, Kabayan, Benguet*



NAPOCOR(NATIONAL POWER CORPORATION)/300 MW COMBINED CYCLE POWER PLANT  
PHILIPPINES



BUILDING WORKS FOR PHILIPINAS KAO INC. P20-2 PROJECT  
PHILIPPINES



# *Plant*

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SEA WATER INTAKE AND DISCHARGE SYSTEM FOR MINDANAO 210MWNET Coal-Fired Power Plant





**DUNG QUAT REFINERY PROJECT- THE INSTALLATION OF SEAWATER INTAKE AND OUTFALL SYSTEM  
VIETNAM**



**DUNG QUAT REFINERY PROJECT- INSTALLATION, TESTING & COMMISSIONING OF CRUDE OIL  
OFFLOADING PIPELINES AND AND SPM SYSTEM  
VIETNAM**



# ***River Improvements - Flood Control***

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**AGNO & ALLIED RIVERS  
URGENT REHABILITATION  
PROJECT, PHASE I**

**REVETMENT WORKS AT AG133**

*Mangatarem, Pangasinan*



**REVETMENT WORKS AT SITE A**

*Sta. Barbara, Pangasinan*



**BALUT PUMPING STATION**

*Tondo, Manila*

**METRO MANILA  
FLOOD CONTROL  
PROJECT II,  
PACKAGE A  
PHILIPPINES**



**VITAS PUMPING STATION**

*Tondo, Manila*

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**ORMOC FLOOD MITIGATION  
PROJECT, PHASE I  
PHILIPPINES**



**ANILAO SLIT DAM**  
*Ormoc, Leyte*



**BILIBOY SLIT DAM**  
*Ormoc, Leyte*

**ORMOC FLOOD  
MITIGATION  
PROJECT,  
PHASE II  
PHILIPPINES**



**ANILAO RIVER IMPROVEMENT**



**MALBASAG RIVER IMPROVEMENT**



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**THE PROJECT FOR  
FLOOD DISASTER MITIGATION IN  
CAMIGUIN ISLAND**



**UPPER SABO DAM**



**UPPER SABO DAM**



**LOWER SABO DAM**

# *Irrigation*

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**CAPAYAS IRRIGATION FACILITIES  
PHILIPPINES**



**CASECNAN MULTIPURPOSE IRRIGATION AND POWER PROJECT - Irrigation Component  
PHILIPPINES**

## ***Buildings/Factories***

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**AIKAWA VIETNAM FACTORY BUILDING CONSTRUCTION PROJECT  
VIETNAM**



**PHASE V - BUILDING EXPANSION PROJECT, TEXAS INSTRUMENT, INC.  
PHILIPPINES**



**THE FORESTRY AND WILDLIFE TRAINING CENTER CONSTRUCTION PROJECT  
CAMBODIA**



## ***Buildings/Factories***

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**CONSTRUCTION OF NEW FACTORY FOR FUJI ELECTRIC PHILIPPINES, INC.  
PHILIPPINES**



**PROJECT FOR ENHANCEMENT OF VESSEL TRAFFIC  
SYSTEM IN MALACCA AND SINGAPORE STRAITES  
INDONESIA**

## ***Buildings/Factories***

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**VIETINAK FACTORY PROJECT  
VIETNAM**



**THE PROJECT FOR IMPROVEMENT OF AURORA MEMORIAL HOSPITAL  
PHILIPPINES**

**LIST OF MAJOR OVERSEAS CONSTRUCTION WORKS**

**◆PORT FACILITIES (1/2)**

( As of Jan. 31, 2012 )

Project	Client	Country	Period		Description of Work
			Start	End	
Mombasa Port Development Project, Contract Package 1: Construction of Civil Works and Buildings	Kenya Ports Authority	Kenya	Aug-11	Aug-15	Container Berth: L1=210m/-11m, L2=350m/-15m, L3=283m/-4.5m Sea Revetment: L=1,060m Container Yard: A=49.7ha, Soil Improvement: A=34.9ha, Building: 1 lot
Cai Mep International Container Terminal Project: Construction of Port Facilities and Buildings	Ministry of Transport	Vietnam	Oct-08	Oct-12	Container Berth: -14m, L=600m X W=55m Container Yard: A=39.6ha Building: AN=14,460m <sup>2</sup>
Cai Mep - Thi Vai International Port Construction Project, Navigation Channel Dredging Works	Ministry of Transport	Vietnam	Sep-09	Mar-11	Navigation Channel Length : L=37.5km Dredging Volume : V=10,698,624m <sup>3</sup>
The Construction of Subic Shipyard Jetty Extension (175m) Project	Subic Shipyard and Engineering, Inc.	Philippines	Oct-08	Jan-10	Outfitting Jetty Extension : L=175m, Replacement of Existing Quay Fenders, Construction of New Dolphin
Mindanao Container Terminal Project (Phase I)	PHIVIDEDEC Industrial Authority (PIA)	Philippines	Feb-02	Feb-04	Container Berth: -12m, L=300m X W=30m Container Yard: A=70ha, Buildings: 12 units Gantry/Yard Crane: 6 units Dredging: V=338,000
KEPPHIL Batangas 40,000DWT Dry Dock and Quay Project	KEPPHIL Shipyard Inc.	Philippines	Nov-96	Mar-99	40,000DWT Dry Dock: L=200m X W=38m Revetment: L=135m
The Project for Honiara Fish Market Development	Ministry of Agriculture and Fisheries	Solomon Islands	Apr-94	Mar-95	Wharf: L=40.0m Revetment: L=44.0m
Sharjah LPG Project Jetty Construction Work	Sharjah LPG Co., Ltd.	U.A.E	Aug-84	Oct-85	Jetty, Approach Bridge Dolphin 57,000DWT
Leyte Industrial Estate Port Development Project	National Development Corp. Leyte Is.	Philippines	Mar-82	Feb-84	60,000 DWT Steel Pipe Pile Wharves, Reclamation Access Road and Others
LPG Terminal Tabango Project	Shell Gas Philippines Inc.	Philippines	Apr-81	Apr-83	Pipe Line Trestle: L=484m, Pipe Line Hook: L=220m, Platform: 1 unit, Dolphin: 2 units
Mindanao KAO Pier Project	PILIPINAS KAO, INC.	Philippines	May-78	Dec-78	Dolphin: 4 units, Approach Bridge: L=69m
P.S.C. Limestone Project Loading Berth Works	Philippine Sinter Corp. Bohor	Philippines	Dec-75	Jun-76	30,000DWT Detached Berth, Dolphin: 7 units, Shiploader Foundation: 1 lot
The Philippine Fisheries Port Project at Navotas, Rizal	Bureau of Public Works	Philippines	May-73	Jul-76	Breakwater: L=2,000m, Quaywall: L=680m, Reclamation: A=64ha, Dredging: V=3,750,000m <sup>3</sup> , Drainage & Sewerage Works

◆PORT FACILITIES (2/2)

( As of Jan. 31, 2012 )

Project	Client	Country	Period		Description of Work
			Start	End	
GATX Terminal Facilities Construction Project	GATX Corporation	Singapore	Nov-72	Dec-73	85,000DWT & 16,000DWT Detached Berth, Land Development: A=20ha
Johor Port Oil Jetty Work	Malaysian Gov.	Malaysia	Dec-72	Oct-73	Jetty, Approach Bridge Dolphin

# ◆DREDGING AND RECLAMATION

( As of Jan. 31, 2012 )

Project	Client	Country	Period		Description of Work
			Start	End	
Cebu South Reclamation Project	Cebu City Government	Philippines	Apr-97	Oct-00	Reclamation: V=8,634,933m3 Revetment: L=4,837.23m
Reclamation Work at Changi East (Phase IA)	Ministry of Communication	Singapore	Jan-92	Jan-97	Reclamation: V=61,000,000m3 Revetment: L=6,200m, Breakwater: L=700m, Soil Improvement: V=1,200,000m3
Sand Pit Silt Treatment Project	Singapore Gov.	Singapore	Aug-84	Oct-85	Silt Dredging V=9.3mil.m3
New Reclamation at Ranza Ranza Industrial Estate Phase II	Public Works Dept. State Gov. of Sabah Labuan	Malaysia	Jul-83	Mar-85	Dredging, Reclamation V=3.2mil.m3, and Retaining Embankment
Reclamation Work at the East Coast	Housing & Development Board of Singapore	Singapore	Jun-82	May-83	Dredging Reclamation V=3mil.m3
Ranza Ranza Industrial Estate, Dredging and Reclamation Work	Labuan Town Board	Malaysia	Oct-80	Feb-82	Dredging Reclamation: V=4.3mil.m3, Embankment and Others
Dredging Work for Bandar Abbas Shipyard	Persian Gulf Shipyard Corp.	Iran	Sep-78	Jan-79	Dredging: V=1.2mil.m3
Major Reclamation Work at Changi	Singapore Gov.	Singapore	Feb-76	Mar-79	Dredging, Reclamation: V=8mil.m3
Manila Cavite Coastal Road Project	Philippine Gov.	Philippines	Jun-76	Dec-78	Dredging, Reclamation: V=6mil.m3
Sharjah Port Development Project	His Highness the Ruler of Sharjah	U.A.E	Oct-76	Oct-78	Dredging, Reclamation: V=3.2mil.m3
Khor A1-Zubair Combined Port Facilities Part 1, Dredging and Reclamation Work	Iraq Gov.	Iraq	Feb-76	Apr-78	Dredging, Reclamation: V=10mil.m3
Shen Ao Oil Harbor Improvement Project	China Petroleum Corp.	Taiwan	Mar-74	Oct-74	Dredging V=1mil. M3, Quay and Others
The Philippine Fisheries Port Project at Navotas, Rizal	Bureau of Public Works	Philippines	May-73	Jul-76	Breakwater: L=2,000m, Quaywall: L=680m, Reclamation: A=64ha, Dredging: V=3,750,000m3, Drainage & Sewerage Works



# ◆BRIDGES

( As of Jan. 31, 2012 )

Project	Client	Country	Period		Description of Work
			Start	End	
Package IV, Urgent Bridges Construction Project For Rural Development	Department of Public Works & Highways	Philippines	Mar-09	Nov-11	Construction of 43 Bridges Total Length : 1,302m
Package I, Urgent Bridges Construction Project For Rural Development	Department of Public Works & Highways	Philippines	Aug-07	Mar-11	Construction of 4 Bridges & 13 Small Bridges Total Length of 4 Bridges : 1,576m
The Project for the Bridge Construction for Expanded Agrarian Reform Communities Development	Department of Agrarian Reform	Philippines	Oct-09	Mar-11	Construction of Bridges Total Length : 110m
Package III, Urgent Bridges Construction Project For Rural Development	Department of Public Works & Highways	Philippines	May-06	Mar-10	Construction of 64 Bridges Total Length : 1,828m
The Project for the Improvement of the National Road No.1 (Phase -2: Bridge Construction)	JICA Cambodia Office	Cambodia	Nov-06	Dec-07	Construction of No. 1 Bridge Total Length : 68.8m Access Road : L=200m Box Culvert : 2 Units
Dung Quat Refinery Project - Detail Design and Construction of Bridge N-1	PETROVIETNAM (TECHNIP Consortiun)	Vietnam	May-06	Sep-07	Detailed Design and Construction of Piping Bridge Total Length : 90m
The Project for Construction of Bridges along Rural Roads in Northern Luzon	Department of Public Works & Highways	Philippines	Oct-02	Mar-04	Construction of 7 Bridges Total Length : 769m
The Construction of the Agno and Allied Rivers Urgent Rehabilitation Project (Lower Agno and Upper Sinocalan Rivers)	Department of Public Works & Highways	Philippines	Apr-98	Mar-03	Dredging: V=11.2mil.m3 Revetment: L=12.4km Bugallon Bridge: L=393m Earth Work: V=3,712,000m3
The Project for Flood Mitigation in Ormoc City (Phase I)	Department of Public Works & Highways	Philippines	Jan-98	Mar-99	Construction of 5 Bridges Total Length : 263m Slit Dam : 3 Units
The Project for Construction of Bridge along Rural Roads in Mindanao Area (Group 2, Region X)	Department of Public Works & Highways	Philippines	Oct-95	Mar-97	Construction of 6 Bridges Total Length : 431m
Bored Piling Work for Malaysia-Singapore Second Crossing Bridge	LINKDUA(Malaysia) BHD	Malaysia	Dec-94	Jul-96	Bridge Substructure Works : L=1,734m Cast in Place Pile Driving : $\phi$ 1,500mm, L=16-38m X280 units (L=2,457m)
The Project for Constructing Bridges along Rural Roads (Phase IV)	Department of Public Works & Highways	Philippines	Dec-93	Mar-95	Construction of 11Bridges Total Length : 870m
The Project for Constructing Bridges along Rural Roads (Phase III)	Department of Public Works & Highways	Philippines	Apr-92	Feb-93	Construction of 10 Bridges Total Length : 629m
Proposed Road Link from Keppel to Pulau Brani and Sentosa	Public Works Department	Singapore	Jun-90	Nov-92	Length of Bridge : 418m Length of Causeway : 1,168m
The Project for Constructing Bridges along Rural Roads (Phase II)	Department of Public Works & Highways	Philippines	Jan-89	Mar-90	Construction of 10 Bridges Total Length : 517m

# ◆WATER SUPPLIES

( As of Jan. 31, 2012 )

Project	Client	Country	Period		Description of Work
			Start	End	
Hualien Deep Ocean Water Intake Facilities	Taiwan Fertilizer Co., Ltd.	Taiwan, Republic of China	Oct-05	Sep-07	① Submerged Pipeline : φ 315mm X L.5,295m (-600m) φ 250mm X L. 1,553m (-50m) ②Construction of Pumping House, Administration Building, etc.
Dredging and Installation Works for Johore 84' Submerged Pipeline Scheme Contract No.12	Public Utilities Board, Singapore Gov.	Singapore	May-86	Sep-87	Water Supply Project Installation of Submerged Pipeline : φ 2,200mm X L 1,400m
Slurry Shield Project, River Crossing Pipe laying Works for Water Supply, Contract PG-7	Metropolitan Water Works Sewerage System Manila	Philippines	Jul-83	Mar-85	River Crossing : 3 places Total Length 380m Tunnel: φ 2,200mm, φ 1,800mm Thrusting Shaft Depth 18m

**◆IRRIGATION AND RIVER IMPROVEMENT(1/2)**

( As of Jan. 31, 2012 )

Project	Client	Country	Period		Description of Work
			Start	End	
Pinatubo Hazard Urgent Mitigation Project – Phase III Contract Package No. 4 – Excavation/Dredging of Major Rivers Province of Pampanga	Department of Public Works & Highways	Philippines	Feb-10	Apr-12	River Improvement : ①Channel Excavation/Dredging Works V=3,002,799m <sup>3</sup> ②Restoration of Fishpond Dike L=610m ③Repair of Approach Road L=684m ④PC Bridge L=88m
Pasig-Marikina River Channel Improvement Project (Phase II) – Contract Package No. 1-A	Department of Public Works & Highways	Philippines	Jul-09	Jun-12	River Improvement : L=9.2km Construction of ①Steel Sheet Piling Revetment : L=53,000m ②Steel Pipe Piling Revetment : L=1,500m ③Concrete Revetment : V=8,000m <sup>3</sup>
Pasig-Marikina River Channel Improvement Project (Phase II) – Contract Package No. 1-B	Department of Public Works & Highways	Philippines	Jul-09	Jun-12	River Improvement : L=7.1km Construction of ①Steel Sheet Piling Revetment : L=56,000m ②Concrete Revetment : V=8,500m <sup>3</sup>
The Project for Flood Disaster Mitigation in Camiguin Island	Department of Public Works & Highways	Philippines	Dec-09	Jul-11	Sabo Dam Construction : ①Upper Sabo Dam : B=110m, H=15m ②Lower Sabo Dam : B=70m, H=17m ③PC Bridge : L=40m
Casecnan Multipurpose Irrigation and Power Project - Irrigation Component (Contract No.CMIPPI-C-S3)	National Irrigation Administration	Philippines	Mar-06	Jan-08	Construction of ①Super Diversion Canal : 2.64km ②Lateral Canal : 24,88km Sub-Lat. Canal : 66,59km ③Design, Manufacture, Supply
The Project on the Follow-Up Cooperation for Rehabilitation Works of Prek Pol Canal in Kandal Province in the Kingdom of Cambodia	JICA Cambodia Office	Cambodia	Mar-06	Jun-06	Rehabilitation Works of Irrigation Facility Irrigation canal : 325m Excavation : V=6,000m <sup>3</sup> Embankment : V=4,600m <sup>3</sup>
Laoag-Bongo and Alluvial Fan River Improvement Works under the Laoag River Basin Flood Control and Sabo Project (Package II)	Department of Public Works & Highways	Philippines	Feb-05	Dec-08	River Improvement : 48.6km Earth Dike : 74.8km Flood/River Wall : 1.1km
Casecnan Multipurpose Irrigation and Power Project - Irrigation Component (Contract No.CMIPPI-C-S1)	National Irrigation Administration	Philippines	Sep-03	Mar-06	Irrigation Canal : 4.4km Gate : 29 Units Siphon : 370m
The Construction of the Agno and Allied Rivers Urgent Rehabilitation Project (Lower Agno and Upper Sinocalan Rivers)	Department of Public Works & Highways	Philippines	Apr-98	Mar-03	Dredging: V=11.2mil.m <sup>3</sup> Revetment: L=12.4km Bugallon Bridge: L=393m Earth Work: V=3,712,000m <sup>3</sup>

◆IRRIGATION AND RIVER IMPROVEMENT(2/2)

( As of Jan. 31, 2012 )

Project	Client	Country	Period		Description of Work
			Start	End	
The Project for Flood Mitigation in Ormoc City (Phase II)	Department of Public Works & Highways	Philippines	Oct-98	Aug-01	Improvement Works of Anilao River L=1,908m Malbasag River L=1,794m
Package A:The Construction of Vitas and Balut Pumping Station and Drainage Main Sub Main Improvement of Esteros and Supply and Installation of Plant and Power Supply Systems	Department of Public Works & Highways	Philippines	Oct-94	Feb-98	Construction of 2 Pumping Stations Improvement of Drainage Line L=4.6km

# ◆POWER PLANTS AND OTHER PLANT FACILITIES

( As of Jan. 31, 2012 )

Project	Client	Country	Period		Description of Work
			Start	End	
JG Summit Naphtha Cracker Project	JG Summit Petrochemical Corporation (Dealim Phil. Incorporated)	Philippines	Jul-11	Feb-13	Intake System Facilities: Intake Pit L 29m*B 15m*H 9m, Intake Pile (RCPC) φ2.2m*L=82m, Intake Head L 4m*B 3m*H 7m, Discharge Pipe (RCPC) φ 2.2m*L=189m  Civil Works and Building Works of OSBL Plant
Dung Quat Refinery Project - Installation, Testing & Commissioning of Crude Oil Offloading Pipelines and SPM Systems	PETROVIETNAM (TECHNIP Consortiun)	Vietnam	Oct-06	Aug-08	Crude Oil Steel Pipeline : Pipe Installation : Land: 710m X 2Lines Sea : 3,250m X 2Lines Dredging: V=121,500m3 Backfilling: V=30,000m3 Installation of Single Point Mooring: Buoy: 1Unit PLEM: 1 Unit
Dung Quat Refinery Project - The Installation of Seawater Intake and Outfall System	PETROVIETNAM (TECHNIP Consortiun)	Vietnam	Mar-06	Jan-08	Water Intake Pipeline : φ3.0m X L. 843m Water Discharge Pipeline : φ2.3m X L. 569m Intake
Building Works for Philipinas KAO Inc. P20-2 Project	Philipinas KAO Inc.	Philippines	Jun-05	Nov-06	Building Works Steel Pipe Pile : 6,160m Steel Structure : 1,270t
Sea Water Intake and Discharge System for Mindanao 210MWnet Coal-Fired Power Plant	STEAG STATE POWER INC.	Philippines	Feb-04	Mar-06	Pump Pit and Seal Pit Pipe Installation: φ1.7~2.9m, L=853m
Napocor/300 MW Combined Cycle Power Plant, Limay, Bataan	National Power Corporation	Philippines	Jul-92	Jul-93	Cooling Water Intake Structure, Cooling Water Seal Pit, Cooling Water Discharge Culvert and Concrete Outfall, etc.
Arun LNG Expansion Project Train 6 Trestle Work	PERTAMINA	Indonesia	Oct-84	Dec-85	Trestle, Pipe Way Bridge
LPG Terminal Tabango Project	Shell Gas Philippines Inc.	Philippines	Apr-81	Apr-83	Pipe Line Trestle: L=484m, Pipe Line Hook: L=220m, Platform: 1 unit, Dolphin: 2 units
GATX Terminal Facilities Construction Project	GATX Corporation	Singapore	Nov-72	Dec-73	85,000DWT & 16,000DWT Detached Berth, Land Development: A=20ha

**◆BUILDINGS(1/2)**

( As of Jan. 31, 2012 )

Project	Client	Country	Period		Description of Work
			Start	End	
M.O.TEC VIETINAM Factory Construction Project	M.O.TEC VIETINAM	Vietnam	Dec-11	Aug-12	Maintenance/Stock Yard A=4,850m <sup>2</sup> , RC Structure 1F, AN=168m <sup>2</sup> , Concrete Pavement A=3,748m <sup>2</sup>
VIETINAK Factory Project	VIETINAK Co., Ltd.	Vietnam	Feb-11	Dec-11	RC Structure & Steel Truss Roof, 1F, AN=4,176m <sup>2</sup>
The Project for Improvement of Aurora Memorial Hospital	Provincial Government of Aurora, Republic of the Philippines	Philippines	Oct-10	Dec-11	Admini., Emergency & Outpatient Building: RC(1F/2F) A=1,500m <sup>2</sup> , Operation & Delivery Builings A=765m <sup>2</sup> , Ward Buildings
The Project for Enhancement of Vessel Traffic System in Malacca and Singapore Straits	Ministry of Transportation, the Republic of Indonesia	Indonesia	Dec-09	Mar-11	Steel Tower : H=32m, 46m, 33m, 66m (4 units), RC Building (4F) : 1 L.S
Asahi Intecc Hanoi Expansion Project	Asahi Intecc Hanoi Co.,Ltd. (Hitachi Plant Technologies)	Vietnam	Sep-09	Feb-10	RC Structure & Steel Truss Roof, 1F, AN=1,400m <sup>2</sup>
TRP Phase III Expansion Project	TRP, INC	Philippines	May-08	Dec-08	RC Structure & Steel Truss Roof, 1F, AN=5,600m <sup>2</sup>
Aikawa Vietnam Factory Building Construction Project	Aikawa Vietnam, Inc.	Vietnam	Mar-08	Nov-08	RC Structure, AN=8,141m <sup>2</sup> Design-Built
Construction of New Factory for Fuji Electric Philippines, Inc.	Fuji Electric Philippines, Inc.	Philippines	Apr-07	Jan-08	RC Structure & Steel Truss Roof, 2F, AN=16,320m <sup>2</sup>
Phase V - Building Expansion Project	Texas Instrument (Philippines), Inc.	Philippines	Nov-06	Jan-08	Microchip Manufacturing Complex RC Structure & Steel Truss Roof, 4F, AN=18,000m <sup>2</sup>
The Forestry and Wildlife Training Center Construction Project	JICA Cambodia Office	Cambodia	Mar-02	Sep-02	RC Structure, AN=1,168m <sup>2</sup>
Mepco 3rd & 4th Factory Building Construction	Matsushita Electric Philippines Corp.	Philippines	Sep-01	Apr-02	RC Structure & Steel Structure, AN=7.812m <sup>2</sup> (2 Buildings)
Sankyo Seiki (Philippines) Subic Factory (Present: NIDEC)	Sankyo Seiki (Philippines) Manufacturing Corporation	Philippines	Nov-00	Oct-01	RC Structure, AN=35,855m <sup>2</sup> (6 Buildings)
Proposed Omron Macaronis Factory Project	Omron Macaronis of The Philippines Corps.	Philippines	Mar-97	Dec-97	RC Structure, AN=6,020m <sup>2</sup>
The Honiara Central Market Development Project	Ministry of Agriculture and Fisheries, The Gov. of Solomon Islands	Solomon Islands	Apr-96	Mar-97	Steel Structure, AN=2,640m <sup>2</sup> , Parking Area, A=3,065m <sup>2</sup> Quay wall, Main Market Hall and Market Management Building

◆BUILDINGS(2/2)

( As of Jan. 31, 2012 )

Project	Client	Country	Period		Description of Work
			Start	End	
Uniden, Philippines Factory Building Project	Uniden Philippines Laguna, Inc	Philippines	Sep-94	Mar-95	RC Structure, AN=38,310m2
The Project for Constructing Primary and Secondary Schoolbuilding (Phase V)	Department of Education, Culture and Sports	Philippines	Oct-93	Mar-95	Construction of 75 School Buildings
PEC/MCP Expansion Project	Matsushita Communication Industrial Corp. of the Philippines	Philippines	May-91	Jun-92	RC Structure, AN=17,300m2
REPI Factory Building Project (Phase I)	ROHM Electronics Philippines, Inc.	Philippines	Feb-90	Dec-90	Steel Structure, AN=15,844m2
EDS Factory Building Project	EDS Manufacturing Inc.	Philippines	Aug-88	Mar-89	RC Structure, AN=34,000m2
Uniden Factory Building and Warehouse Expansion Project	Uniden Philippines, Inc	Philippines	Oct-87	Mar-89	RC Structure, 2F, AN=13,000m2 RC Structure, 2F, AN=8,000m2
Yazaki-Torres Manufacturing Inc. Factory Expansion Project	Yazaki-Torres Manufacturing. Inc.	Philippines	Nov-85	Jul-87	RC Structure, AN=18,900m2 RC Structure, AN=16,200m2