

ENVIRONMENTAL STUDY PROJECTS



PROJECT	LOCATION	PROJECT COST (MB)	CLIENT	DURATION
1. Dam, Reservoir & Hydropower Plant				
1.1 Sai Buri Multi-purpose Dam	Narathiwat	3,800	The National Energy Administration	1979-80
1.2 Nam San Reservoir	Loei	920	The Electricity Generating Authority of Thailand	1980-81
1.3 Nam Man Reservoir	Loei	330	The Electricity Generating Authority of Thailand	1980-81
1.4 Nam Loei Reservoir	Loei	300	The Electricity Generating Authority of Thailand	1980-81
1.5 Upper Pa Sak Reservoir	Phetchabun	1,150	The Electricity Generating Authority of Thailand	1980-81
1.6 Nam Mae Wang Mini-hydropower	Chiang Mai	146	The National Energy Administration	1982-83
1.7 Khlong La-un Mini-hydropower	Ranong	151	The National Energy Administration	1984
1.8 Huai Sato Mini-hydropower	Chanthaburi	711	The National Energy Administration	1985
1.9 Mae Taeng Hydropower	Chiang Mai	700	The Electricity Generating Authority of Thailand	1987-88
1.10 Wang Yang and That-Noi Weirs and Irrigation Projects	Kalasin Ubon Ratchathani	1,200	National Energy Administration of Thailand	1991
1.11 Tab Than, Huai Samran Dams and Irrigation Project area 273,000 rais	Sisaket Province	N.A.	National Energy Administration	1991
1.12 Saline Water Irrigation System Management	Pak-Panang Nakorn Srithammarat	N.A.	Department of Fisheries	1991
1.13 Irrigation System Management	Samut Sakon Samut Songkram Chanthaburi Phetchaburi Surat Thani Chachoengsao	N.A.	Department of Fisheries	1991

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PROJECT	LOCATION	PROJECT COST (MB)	CLIENT	DURATION
1.14 Klong Ta Rong Weir and Irrigation	Chanthaburi	N.A.	Royal Irrigation Department	1993
1.15 Kwa Noi Dam and Irrigation	Pissanulok	N.A.	Royal Irrigation Department	1993
1.16 Lam Pao Irrigation System Management	Udon Thani Kalasin	N.A.	Department of Energy Development and Promotion	1993
1.17 Saline Water Irrigation System Management	Surat Thani / Chanthaburi	N.A.	Department of Fisheries	1993
1.18 Nam Man Mini Hydro-Electric Power Project	Loei	N.A.	Provincial Electricity Authority	1993
1.19 Nam San Mini Hydro-Electric Power Project	Loei	N.A.	Provincial Electricity Authority	1993
1.20 Huai Krai Dam and Irrigation	Prachinburi	N.A.	Royal Irrigation Department	1993
1.21 Saline Water Irrigation System Management for Shrimp Cultivation	Nakhon Sri Thammarat	N.A.	Department of Fisheries	1993
1.22 Nong Lueng Weir and Water Distribution System	Roi Et	N.A.	Department of Energy Development and Promotion	1994
1.23 Nam Ing Weir and Irrigation	Chiangrai	N.A.	Department of Energy Development and Promotion	1994
<u>2. Port & Jetty</u>				
2.1 Port and Oil Berth	Samut Songkhram	N.A.	Shell (Thailand) Co., Ltd.	1982
2.2 Agro Port	Samut Prakan	N.A.	Thai Sugar Terminal	1985
2.3 VCM Jetty	Samut Prakan	N.A.	Thai Plastic and Chemical Co., Ltd.	1985
2.4 Agro Port	Samut Prakan	N.A.	Laem Thong Warehouse Co., Ltd.	1985
2.5 Esso Wharf, Oil Loading Facilities and Storage	Bangkok	N.A.	Esso Standard (Thailand) Co., Ltd.	1985
2.6 Port and Oil Depot	Surathani	N.A.	Esso Standard (Thailand) Co., Ltd.	1985

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2.7 TPI Jetty	Rayong	N.A.	Thai Petrochemical Industry Co., Ltd.	1986
2.8 Agro Port	Samut Prakan	N.A.	Nanaphan Enterprise Co., Ltd.	1986
2.9 Cement Port	Samut Prakan	N.A.	Jalaprathan Cement Co., Ltd.	1986
2.10 Agro Port	Samut Prakan	N.A.	Thanapornchai Co., Ltd.	1986
2.11 Agro Port	Samut Prakan	N.A.	Sapsrithai Co., Ltd.	1986
2.12 Agro Port	Samut Prakan	N.A.	Sapsathaporn Co., Ltd.	1986
2.13 Kratingdaeng Port	Samut Prakan	N.A.	TC Pharmaceutical Industry Co., Ltd.	1986
2.14 Agro Port	Samut Prakan	N.A.	Agricultural Cooperatives Organization of Thailand	1986
2.15 Agro Port	Bangkok	N.A.	Saeng Thong Khakao Co., Ltd.	1986
2.16 Agro Port	Bangkok	N.A.	Poon Pipat Co., Ltd.	1986
2.17 Port and Oil Depot	Bangkok	N.A.	ESSO Standard (Thailand) Co., Ltd.	1986
2.18 Agro Port	Samut Prakan	N.A.	Laem Thong United Co., Ltd.	1987
2.19 Agro Port	Samut Prakan	N.A.	P.H. Development Co., Ltd.	1987
2.20 Port and Oil Depot	Bangkok	N.A.	Siam United Services Co., Ltd.	1987
2.21 Chemical, Oil and Fertilizer Port	Bangkok	N.A.	Siam Chemical Co., Ltd.	1987
2.22 Agro Port	Bangkok	N.A.	Asia Warehouse Co., Ltd.	1987
2.23 Port and Oil Depot	Bangkok	N.A.	Caltex Oil (Thailand) Co.,Ltd.	1987
2.24 Agro Port	Samut Prakan	N.A.	Panich Pakdi Co., Ltd.	1987-88
2.25 Oil Terminal Port	Phuket	N.A.	Petroleum Authority of Thailand	1987-88

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PROJECT	LOCATION	PROJECT COST (MB)	CLIENT	DURATION
2.26 Agro Port	Bangkok	N.A.	Poon Pipat Co., Ltd.	1988
2.27 Chemical Port	Samut Prakan	N.A.	Thai Asahi Caustic Soda Co., Ltd.	1988
2.28 Agro Port	Samut Prakan	N.A.	Union Metal Co., Ltd.	1988
2.29 Chemical Port	Samut Prakan	N.A.	Srithepthai Corporation Co., Ltd.	1988
2.30 Polystyrene Loading Facilities	Samut Prakan	750	Pacific Plastic (Thailand) Co., Ltd.	1988
2.31 Oil Terminal Port	Bangkok	N.A.	Siam United Services Co., Ltd.	1988
2.32 Agro Port	Samut Prakan	N.A.	Sapsrithai Warehouse Co., Ltd.	1988
2.33 Agro Port	Samut Prakan	N.A.	Nanapan Enterprise Co., Ltd.	1988
2.34 Chemical Port	Samut Prakan	N.A.	Thai Plastic & Chemical Co., Ltd.	1989
2.35 Cement Port	Samut Prakan	N.A.	Jalaprathan Cement Co., Ltd.	1989
2.36 Agro Port	Samut Prakan	N.A.	General Warehouse Co., Ltd.	1989
2.37 Oil Terminal Port	Phuket	N.A.	Petroleum Authority of Thailand	1990
2.38 Petrochemical Jetty	Rayong	N.A.	Thai Petrochemical Industry Co., Ltd.	1990
2.39 Agro Port	Bangkok	N.A.	Saeng-thong Khakao Co.,Ltd	1990
2.40 Agro Port	Samut Prakan	N.A.	Thanyakit	1990
2.41 Agro Port	Samut Prakan	N.A.	P.H. Development	1990
2.42 Deepsea Port	Ko Srichang Chonburi	N.A.	Si-Chang-Thong Terminal	1990
2.43 Sugar Port	Bangkok	N.A.	Chao-Chorm Warehouse	1990
2.44 Mineral Port	Surat Thani	N.A.	Sumpan Mining Port	1990

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PROJECT	LOCATION	PROJECT COST (MB)	CLIENT	DURATION
2.45 Oil Terminal Port (No. 18 G)	Bangkok	N.A.	Petroleum Authority of Thailand	1990
2.46 Agro Port	Samut Prakan	N.A.	C.R.C. Wharf Co., Ltd.	1991
2.47 Oil Terminal Port	Bangkok	N.A.	Siam United Services Co., Ltd.	1991
2.48 Agro Port	Samut Prakan	N.A.	Leam-Thong United	1991
2.49 Agro and Others	Bangkok	N.A.	Krung Thai Bank Jetty	1991
2.50 Oil Terminal Port	Surat Thani	N.A.	Siam United Services Co., Ltd.	1991
2.51 Agro Port	Bangkok	N.A.	Asia Warehouse	1991
2.52 Agro Port	Bangkok	N.A.	Khao Pin-Thong	1991
2.53 PTT Sriracha Terminal / Port	Chonburi	N.A.	Petroleum Authority of Thailand	1991
2.54 Container Port	Samut Prakan	N.A.	Laem-Tong Warehouse	1992
2.55 Chemical Port	Samut Prakan	N.A.	Siam Chemical Co., Ltd.	1992
2.56 Chemical Port	Samut Prakan	N.A.	Thai Asahi Caustic Soda Co., Ltd.	1992
2.57 Liquid Bulk Terminal and Tank Farm	Map Ta Phut Rayong	N.A.	Thai Tank Terminal Co., Limited	1992
2.58 Container Port (Expansion)	Samut Prakan	N.A.	C.R.C. Wharf Co., Ltd.	1992
2.59 Seaberth and Submarine Crude Line	Chonburi	N.A.	Thai Oil Co., Ltd.	1992
2.60 Port and Oil Depot	Chachoengsao	N.A.	Unique Gas Co., Ltd.	1994
2.61 Port	Samut Prakan	N.A.	Kwang Soon Lee Warehouse Co., Ltd.	1995
2.62 Thai Tank Terminal Expansion Project	Map Ta Phut, Rayong	N.A.	Thai Tank Terminal Co., Ltd.	1995
2.63 Oil Loading Jetty	Samut Prakan	N.A.	Castrol (Thailand) Co., Ltd.	1997
2.64 P.S.P. Terminal 2 Jetty Project	Samut Sakorn	N.A.	P.S.P. Specialties Co., Ltd.	2000

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PROJECT	LOCATION	PROJECT COST (MB)	CLIENT	DURATION
2.65 Hin Krut Coal-Fired Power Plant (Deep Sea Jetty for Coal Unloading)	Prachuap Khiri Khan	N.A.	Union Power Development Co., Ltd.	1999
2.66 Map Ta Phut Industrial Port, Expansion of Phase II (Sea Reclamation)	Rayong	N.A.	Industrial Estate Authority of Thailand	2004
<u>3. Industrial and Power Plant Project</u>				
3.1 Ao Phai Coal-fired Power Plant	Chon Buri	20,000	The Electricity Generating Authority of Thailand	1982-83
3.2 Tha Luang Portland Cement Plant	Saraburi	N.A.	Siam Cement Co., Ltd.	1983
3.3 Kaeng Khoi Portland Cement Plant	Saraburi	N.A.	Siam Cement Co., Ltd.	1983
3.4 Thung Song Portland Cement Plant	Nakhon si Thammarat	N.A.	Siam Cement Co., Ltd.	1983
3.5 Khao Wong White Cement Plant	Saraburi	N.A.	Siam Cement Co., Ltd.	1983
3.6 Siam Steel Plant	Saraburi	N.A.	Siam Cement Co., Ltd.	1983
3.7 Khon Kaen Alcohol Distillery Plant	Khon Kaen	280	The Excise Department	1983
3.8 Nong Khai Alcohol Distillery Plant	Nong Khai	280	The Excise Department	1983
3.9 Ubon Ratchathani Alcohol Distillery Plant	Ubon Ratchathani	280	The Excise Department	1983
3.10 Prachin Buri Alcohol Distillery Plant	Prachin Buri	280	The Excise Department	1983
3.11 Chachoengsao Alcohol Distillery Plant	Chachoengsao	250	The Excise Department	1983
3.12 Buri Ram Alcohol Distillery Plant	Buri Ram	270	The Excise Department	1983
3.13 Krabi Lignite Power Plant	Krabi	7,500	The Electricity Generating Authority of Thailand	1984
3.14 NFC Fertilizer Complex	Rayong	10,000	National Fertilizer Corp.	1984
3.15 Foundry Plant	Saraburi	N.A.	The Siam Nawaloha Foundry Co., Ltd.	1984

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PROJECT	LOCATION	PROJECT COST (MB)	CLIENT	DURATION
3.16 Petrochemical Complex	Rayong	9,000	National Petrochemical Corporation	1985
3.17 Kaeng Khoi Cement Plant	Saraburi	N.A.	Siam Cement Co., Ltd.	1985
3.18 Thung Song Cement Plant	Nakhon Si Thammarat	N.A.	Siam Cement Co., Ltd.	1985
3.19 Steel Plant	Saraburi	N.A.	Siam Steel Co., Ltd.	1985-86
3.20 Kaeng Khoi Cement Plant	Saraburi	N.A.	Siam Cement Co., Ltd.	1986
3.21 Foundry Plant	Saraburi	N.A.	The Siam Nawaloha Foundry Co., Ltd.	1986
3.22 Thung Song Cement Plant	Nakhon Si Thammarat	N.A.	Siam Cement Co., Ltd.	1986
3.23 Steel Plant	Saraburi	N.A.	Siam Steel Co., Ltd.	1987
3.24 Hydrogen Peroxide Plant	Rayong	N.A.	Peroxythai Ltd.	1988
3.25 Suranari Industrial Zone	Nakhon Ratchasima	N.A.	Suranaree Industrial Zone Co., Ltd.	1988
3.26 Hydrofluoric Acid and Hydrosulfuric Acid Plant	Map Ta Phut Rayong	1,500	Laporte Thailand Co.,Ltd.	1989
3.27 Zinc Refinery Plant	Tak	3,500	Pa Daeng Industries Co., Ltd.	1989
3.28 Zinc Refinery Plant (Expansion)	Tak	600	Pa Daeng Industries Co., Ltd.	1989
3.29 Cadmium Refinery Plant	Tak	500	Pa Daeng Industries Co., Ltd.	1989
3.30 PVC Manufacturing Plant	Map Ta Phut Rayong	4,000	Vinythai Co., Ltd.	1990
3.31 Linear Alkylbenzene (LAB) Manufacturing Plant	Map Ta Phut	N.A.	Thai Alkylate Co., Ltd.	1990
3.32 Iron and Steel Plant	Saraburi	N.A.	Siam Iron and Steel Co., Ltd.	1990
3.33 Polyethylene Plant	Map Ta Phut Rayong	6,000	Bangkok Polyethylene Co., Ltd.	1990

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PROJECT	LOCATION	PROJECT COST (MB)	CLIENT	DURATION
3.34 Brass Mill	Lam Chabang Chonburi	1,000	Padaeng Pungsan Co.,Ltd.	1990
3.35 Polyethylene Plant	Map Ta Phut Rayong	2,000	Thai Polyethylene Co., Ltd.	1991
3.36 Polypropylene Plant	Map Ta Phut Rayong	1,500	Thai Polypropylene Co., Ltd.	1991
3.37 Foundry Plant	Saraburi	N.A.	Siam Magottaux Co.,Ltd.	1991
3.38 Polystyrene Plant	Map Ta Phut Rayong	1,500	HMT Polystyrene Co., Ltd.	1991
3.39 Latex Plant	Map Ta Phut Rayong	800	Siam Synthetic Latex Co., Ltd.	1991
3.40 Low Density Polyethylene Plant (Renewal)	Rayong	N.A.	TPI Polene Co., Ltd.	1991
3.41 High Density Polyethylene Plant (Renewal)	Rayong	N.A.	Thai Petrochemical Industry Co., Ltd.	1991
3.42 PET Resin Plant	Rayong	N.A.	Thai Petrochemical Industry Co., Ltd.	1991
3.43 Thermal Power Plant	Rayong	N.A.	Thai Petrochemical Industry Co., Ltd.	1992
3.44 KW 2 Cement Plant	Saraburi	N.A.	Siam Cement Co., Ltd.	1992
3.45 Saraburi Industrial Centre	Saraburi	N.A.	TPI Polene Co., Ltd.	1992
3.46 Propylene Shpere Tank Project	Map Ta Phut Rayong	N.A.	Thai Tank Terminal Co.,Ltd.	1992
3.47 Foundry Plant	Saraburi	N.A.	Siam Nawaloha Foundry Co., Ltd.	1992
3.48 Steel Plant	Saraburi	N.A.	Siam Steel Co., Ltd.	1992
3.49 High Density Polyethylene Plant (Expansion)	Rayong	N.A.	Thai Petrochemical Industry	1992

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PROJECT	LOCATION	PROJECT COST (MB)	CLIENT	DURATION
3.50 Polypropylene Plant (Expansion)	Rayong	N.A.	Thai Petrochemical Industry	1992
3.51 Zinc Conversion Plant	Rayong	N.A.	Pa Daeng Industries Co., Ltd.	1993
3.52 PTA Plant	Map Ta Phut Rayong	N.A.	Tuntex Petrochemical (Thailand) Co., Ltd.	1993
3.53 ABS and SAN Resin Plant	Map Ta Phut Rayong	N.A.	Monsanto Premier Kasei Co., Ltd.	1993
3.54 Gas Separation Plant III	Map Ta Phut Rayong	N.A.	Petroleum Authority of Thailand	1993
3.55 Chlor-alkali Plant	Samut Prakan	N.A.	Siam Occidental Electrochemical Co., Ltd.	1993
3.56 Fertilizer Complex	Map Ta Phut Rayong	N.A.	National Fertilizer Corp.	1993
3.57 Low Density Polyethylene Plant (Expansion)	Map Ta Phut Rayong	N.A.	Thai Polyethylene (1993) Co., Ltd.	1993
3.58 The Aromatics and Reformer Complex	Map Ta Phut Rayong	N.A.	The Aromatics (Thailand) Co., Ltd.	1993
3.59 MTBE and Butene-1 Plant (C4 Project)	Map Ta Phut Rayong	N.A.	Bangkok Synthetics Co., Ltd.	1994
3.60 NaOH-KOH-K ₂ CO ₃ Production Plant	Map Ta Phut Rayong	N.A.	Thai Asahi Chemicals Co., Ltd.	1994
3.61 The Olefins Plant Expansion Project	Map Ta Phut Rayong	N.A.	National Petrochemical Public Company Ltd.	1994
3.62 PVC Plant Expansion	Map Ta Phut Rayong	N.A.	Thai Plastic and Chemicals Co., Ltd.	1994
3.63 Combined Cycle Power Plant (IPP Project)	Chonburi	N.A.	STC Group of Companies and Mitsubishi Corporation	
3.64 ABS Plant Expansion Project	Rayong	N.A.	Thai Petrochemical Industry Co., Ltd.	1995

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PROJECT	LOCATION	PROJECT COST (MB)	CLIENT	DURATION
3.65 SNC Foundry Project	Bo-win, Chonburi	N.A.	Siam Nissan Casting Co., Ltd.	1995
3.66 Polyacetal Production Plant	Map Ta Phut Rayong	N.A.	Thai Polyacetal Co., Ltd.	1995
3.67 Polycarbonate Production Plant	Map Ta Phut Rayong	N.A.	Thai Polycarbonate Co., Ltd.	1996
3.68 Rockwool and Pipe Insulation Production Plant	Map Ta Phut Rayong	N.A.	Loxley-CSR Insulation Co., Ltd.	1996
3.69 Newsprint Mill	Prachin Buri	N.A.	Halla Pulp & Paper (Thailand) Co., Ltd.	1996
3.70 Sulfuric Acid Plant	Map Ta Phut Rayong	N.A.	National Fertilizer Public Company Limited	1996
3.71 Zn Expansion	Tak	N.A.	Padaeng Industry Ltd. (Public Company)	1996
3.72 Polycarbonate Production Facilities	Map Ta Phut Rayong	N.A.	Bayer Polymers Co., Ltd.	1997
3.73 Polystyrene Plant Expansion Project	Map Ta Phut Rayong	N.A.	HMT Polystyrene Co., Ltd.	1997
3.74 Aluminium Billet Production Plant	Prachinburi	N.A.	United Aluminium Industry Co., Ltd.	1997
3.75 Aluminium Profile Extrusion and Anodizing Plant	Prachinburi	N.A.	United Aluminium Industry Co., Ltd.	1997
3.76 LDPE Expansion Project	Map Ta Phut Rayong	N.A.	Thai Polyethylene (1993) Co., Ltd.	1997
3.77 Chlor / Alkali Plant Expansion Project	Rayong	N.A.	Thai Asahi Chemicals Co., Ltd.	1998
3.78 Cement Production Plant	Nakorn Srithammarat	N.A.	Asia Cement PLC.	1998
3.79 Lead Recycle Plant	Saraburi	N.A.	Bergsoe Metals Co., Ltd.	1998
3.80 Hexane and Solvent Production Plant	Rayong	N.A.	Sak Chaisidhi Co., Ltd.	1998

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PROJECT	LOCATION	PROJECT COST (MB)	CLIENT	DURATION
3.81 Kabinburi Industrial Zone : Phase III	Prachinburi	N.A.	Kabinburi Industrial Zone Co., Ltd.	1998
3.82 Waste Management by Fuel and Raw Material Supplemental in Cement Kiln, Khao Wong Plant	Saraburi	N.A.	Siam Cement Industry Co., Ltd.	1999
3.83 Waste Management by Fuel and Raw Material Supplemental in Cement Kiln, Khao Wong Plant	Saraburi	N.A.	Siam Cement Industry Co., Ltd.	1999
3.84 Waste Management by Fuel and Raw Material Supplemental in Cement Kiln, Ta Laung Plant	Saraburi	N.A.	Siam Cement Industry Co., Ltd.	1999
3.85 Hin Krut Coal-Fired Power Plant Project, 2400 MW.	Prachuap Khiri Khan	N.A.	Union Power Development Co., Ltd.	1999
3.86 Environmental Survey and Assessment of Edible Oil Refining Plant	Samut Sakorn	N.A.	Pamola Co., Ltd.	2000
3.87 The Aromatics and Reformer Plants Expansion	Rayong	N.A.	The Aromatics (Thailand) Public Co., Ltd.	2000
3.88 Copper Tube Manufacturing Facilities	Chachoengsao	N.A.	Outokumpu Hitachi Copper Tube (Thailand) Ltd.	2000
3.89 Disposal Management of Waste by Cement Kiln	Saraburi	N.A.	TPI Polene Public Co., Ltd.	2000
3.90 ABS/SAN Compounding Plant Expansion	Map Ta Phut Rayong	N.A.	Bayer Thai Co., Ltd.	2001
3.91 Solvent Recycling Plant	Ko-Chan Dist. Chonburi	N.A.	Recycle Engineering Co.,Ltd.	2001
3.92 ABS/SAN Production Plant Expansion	Map Ta Phut Rayong	N.A.	Bayer Thai Co., Ltd.	2002
3.93 HDPE-MDPE Plant	Map Ta Phut Rayong	N.A.	National Petrochemical Public Company Limited	2002

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PROJECT	LOCATION	PROJECT COST (MB)	CLIENT	DURATION
3.94 Ethylene Plant Expansion	Map Ta Phut Rayong	N.A.	National Petrochemical Public Company Limited	2003
3.95 Chlor-alkali Plant (Installation of Ultra Pure Chlorine Unit)	Rayong	N.A.	THASCO Chemicals Co.,Ltd.	2003
3.96 ABS,SAN Plant Expansion	Rayong	N.A.	Thai ABS Co.,Ltd.	2004
3.97 Chlor-alkali Plant Expansion (RCA-2 Debottlenecking Project)	Rayong	N.A.	THASCO Chemicals Co.,Ltd.	2004
3.98 Modification of Condensate Feed Fractionation Unit and Installation of Cyclohexane Production Unit	Rayong	N.A.	The Aromatics (Thailand) PLC.	2004
3.99 Process Replacement of M-Cell with IM-Cell of the Chlor-alkali Plant	Samut Prakarn	N.A.	THASCO Chemicals Co.,Ltd.	2004
3.100 Environmental Monitoring and Auditing of Gas Separation Plant Project (During Construction)	Songkhla	N.A.	Trans-Thai Malaysia (Thailand) Co.,Ltd.	2004
<u>4. Housing Project</u>				
4.1 Rose Garden Hotel	Nakhon Pathom	N.A.	Rose Garden Co., Ltd.	1986
4.2 Rawai Resort Hotel	Phuket	N.A.	Rawai Resort Co., Ltd.	1986
4.3 Condo-town Complex	Bangkok	N.A.	S.V. City Co., Ltd.	1993
4.4 The Misty Fields Estate	Chiangrai	N.A.	Kornburi Co., Ltd.	1994
4.5 Thonburi 2 Housing Project	Bang Khun Thien Bangkok	N.A.	National Housing Authority	1996
4.6 Nonthaburi 4 Housing Project	Amphoe Pak Kred Nonthaburi	N.A.	National Housing Authority	1996
4.7 Thonburi 3 Housing Project	Bang Khun Thien Bangkok	N.A.	National Housing Authority	1997
4.8 Chiang Mai 4 Housing Project	Amphoe Muang Chiang Mai Province	N.A.	National Housing Authority	1997

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PROJECT	LOCATION	PROJECT COST (MB)	CLIENT	DURATION
4.9 Patara-Dhonburi Hospital	Pathum Thani	N.A.	Patara Hospital Co., Ltd.	2000
4.10 L.P.N. Happy Land Phase D Project	Bangkapi District Bangkok	N.A.	L.P.N. Development Co., Ltd.	2000
4.11 Nakhon Thong Park View 3 Condominium	Amphoe Bang Bua - Thong , Nonthaburi Province	N.A.	A.P. Citypark	2000
4.12 Rayong 1 Phase 2 Housing Project	Amphoe Muang Rayong Province	N.A.	National Housing Authority	2000
4.13 Samut Sakhon 2 Housing Project	Amphoe Muang Samut Sakhon Province	N.A.	National Housing Authority	2000
4.14 Government Officer Residence Project	Amphoe Muang Suphanburi	N.A.	National Housing Authority	2001
4.15 Government Officer Residence Project	Amphoe Muang Ang Thong Province	N.A.	National Housing Authority	2001
4.16 L.P.N. Center Happy Land Phase E Project	Bangkok	N.A.	LPN. Development Co.,Ltd.	2001
4.17 L.P.N. Place Satorn Project	Bangkok	N.A.	LPN. Development Co.,Ltd.	2001
4.18 Kanary Bay Sriracha Project	Chonburi	N.A.	Kasemkit Co.,Ltd.	2001
4.19 Patumtong Condo Project	Pitsanulok	N.A.	Patumtong Co.,Ltd.	2001
4.20 L.P.N. Sukumvit 24 Project	Bangkok	N.A.	LPN. Development Co.,Ltd.	2002
4.21 L.P.N. Suanplu Project	Bangkok	N.A.	LPN. Development Co.,Ltd.	2002
4.22 L.P.N. Rama 4-Satorn Project	Satorn Bangkok	N.A.	LPN. Development Co.,Ltd.	2002
4.23 L.P.N. Watercliff Project	Bangkok	N.A.	LPN. Development PLC.	2002
4.24 Kanary Bay Ayutthaya Project	Ayutthaya	N.A.	Kasemkit Co.,Ltd.	2002
4.25 Bangkok Resident Hotel Project	Bangkok	N.A.	Bangkok Resident Co.,Ltd.	2002

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PROJECT	LOCATION	PROJECT COST (MB)	CLIENT	DURATION
4.26 Monteantip Condotown Project	Bangkok	N.A.	Mahavits Co.,Ltd.	2002
4.27 Chao Phraya Bangkok Condo Project	Bangkok	N.A.	The Ninty Real Estate Co.,Ltd.	2002
4.28 L.P.N. Naratiwas-radchanakarin Project	Bangkok	N.A.	LPN. Development PLC.	2003
4.29 L.P.N. Pramaemaree Project	Bangkok	N.A.	LPN. Development PLC.	2003
4.30 Riverside Resort and Spa Project	Chiang Rai	N.A.	Riverside Resort and Spa Co.,Ltd.	2003
4.31 Krabi Resort Project	Krabi	N.A.	Riverside Resort and Spa Co.,Ltd.	2003
<u>5. Mining Project</u>				
5.1 Ao Phuket Offshore Mining	Phuket	N.A.	Tungkha Harbour Ltd.	1982
5.2 Ao Chalong Offshore Mining	Phuket	N.A.	Tungkha Harbour Ltd.	1982
5.3 Ao Bang Tao Offshore Mining	Phuket	N.A.	Tungkha Harbour Ltd.	1982
5.4 Deep Sea Offshore Mining	Phang Nga	N.A.	Sea Mineral Ltd.	1984
5.5 Nam Mae Lignite Mining	Chiang Mai	84	The National Energy Administration	1984
5.6 Ban Haeng Lignite Mining	Lampang	N.A.	The National Energy Administration	1984
5.7 Phang Nga Onshore Tin Mining (8 Mining Projects)	Phang Nga	N.A.	Private	1985
5.8 Lead Underground Mining	Kanchanaburi	N.A.	KEMCO Ltd.	1986
5.9 Tin Mining	Ranong	N.A.	Private	1986
5.10 Tin Mining	Ranong	N.A.	Private	1986
5.11 Tin Mining	Trang	N.A.	Fong and Lee Co., Ltd.	1986
5.12 Kaolin Mining	Ranong	N.A.	Private	1986
5.13 Tin Mining	Ranong	N.A.	Rattana Krathu Mining Co., Ltd.	1986

ENVIRONMENTAL STUDY PROJECTS



PROJECT	LOCATION	PROJECT COST (MB)	CLIENT	DURATION
5.14 Tin Mining	Ranong	N.A.	Private	1986
5.15 Tin Mining	Trang	N.A.	Private	1986
5.16 Marble Mining	Prachuap Khiri Khan	N.A.	Private	1986
5.17 Offshore Tin Mining	Ranong	N.A.	Siamese Tin Syndicate Co., Ltd.	1986
5.18 Tin Mining	Ranong	N.A.	Private	1986
5.19 Marl Mining	Saraburi	N.A.	Harbert (Thailand) Co., Ltd.	1986
5.20 Gypsum Mining	Nakhon Si Thammarat	N.A.	SPK Co., Ltd.	1986
5.21 Tin Mining	Ranong	N.A.	Private	1988
5.22 Tin Mining	Ranong	N.A.	Private	1988
5.23 Dolomite Mining	Surat Thani	N.A.	Thaweeikul Limited Partnership	1988
5.24 Granite Mining	Loei	N.A.	Private	1992
5.25 Salt Mining Plant (Solution Mining)	Nakorn-Ratchasima	N.A.	Thai Asahi Chemicals Co., Ltd.	1994
5.26 Limestone Source Development for Cement Industry	Satun, Surat Thani, Pang Nga, Nakorn Srithammarat	N.A.	Department of Mineral Resources	1995
5.27 Limestone Mining	Surat Thani	N.A.	Asia Cement PLC.	1998
5.28 Rock Salt Mining	Nakorn Ratchasima	N.A.	Pimai Salt Co., Ltd.	1999
5.29 Lead Underground Mining	Kanchanaburi	N.A.	Lead Concentrate Co., Ltd.	1999
5.30 Rock Salt Mining Project (Solution Mining)	Nakorn Ratchasima	N.A.	Pimai Salt Co.,Ltd.	2002
5.31 Environmental Monitoring and Auditing of Tin Sea Mining Project	Ranong-Phangnga- Phuket	N.A.	Dept. of Primary Industries and Mines	2003

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PROJECT	LOCATION	PROJECT COST (MB)	CLIENT	DURATION
5.32 Environmental Monitoring and Auditing of Tin Sea Mining Project (Consecutive Project)	Phangnga and Phuket	N.A.	Dept. of Primary Industries and Mines	2004
5.33 Gypsum Mine	Surat Thani	N.A.	Chok Pana (2512) Co.,Ltd.	2004
<u>6. Transportation Project</u>				
6.1 NPC Pipeline	Map Ta Phut Rayong	N.A.	National Petrochemical Corporation	1988
6.2 Road Construction to Doi-Tung Hill, 40 Km.	Chiang Rai	150	National Environmental Board	1991
6.3 Initial Environmental Examination for Railway Track Relocation (Pa Wai-Lopburi-Tha Khae Railway Station)	Lopburi	N.A.	State Railway of Thailand	1995
6.4 PTT Oil Transportation System To EGAT Ratchaburi Power Plant	Samut Songkhram-Phetchaburi	N.A.	Petroleum Authority of Thailand	1995
6.5 Highway Project in Phuket and Pang-nga	Phuket Pang-nga	N.A.	Department of Highways	1995
6.6 Highway Project in Krabi	Krabi	N.A.	Department of Highways	1995
6.7 Highway Project between Satul and Peris (Malasia)	Satul, Thailand to Peris, Malasia	N.A.	Department of Highways	1995
6.8 Highway Project in Sakol-Nakorn	Sakol Nakorn	N.A.	Department of Highways	1995
6.9 The Route Alignment Study and Prel. Design of the Underground Construction, (Mass Transit System)	Depot at Huai Khwang to Bang Su Bangkok	N.A.	Metropolitan Rapid Transit Authority	1996
6.10 Initial Environmental Examination of 2 nd Phase Four-Lane Highway Widening Project	Whole Country	N.A.	Department of Highways	1996
6.11 PTT Gas Submarine Pipeline Project	Gulf of Thailand	N.A.	Petroleum Authority of Thailand	1996
6.12 Feasibility Study for the New Alignment of Highway Connecting Ban Khu Ha-Kuan Nieng Pak Ro and Existing Highway # 408	Songkhla	N.A.	Department of Highways	1999

ENVIRONMENTAL STUDY PROJECTS



PROJECT	LOCATION	PROJECT COST (MB)	CLIENT	DURATION
6.13 Nakhon Ratchasima Ring Road Project Feasibility Study.	Amphoe Muang, Amphoe Pak - Thong Chai, Nakhon- Ratchasima Province	N.A.	Department of Highways	1999
6.14 Design of Entrance-Exit Klong Luang Truck Terminal Project	Amphoe Klong Luang Phathum Thani Province	N.A.	Department of Highways	1999
6.15 Mass Transit : Urban Rail Transportation Master Plan	Bangkok and Surrounding Areas	Over 100,000	Office of the Commissioning for Management Land Traffic	2000-2001
6.16 Mega-Project Transportation System - V	Bangkok and Regional Cities	Over 100,000	Office of the Commissioning for Management Land Traffic	2000-2001
6.17 The Study on the strengthening for DOH's Management and Updating of the Long-term Strategic Investment Plan	Throughout Thailand	N.A.	Department of Highways	2000-2001
6.18 Transportation Master Plan (Ninth Development Plan) Framework Study	Throughout Thailand	N.A.	Thailand Development Research Institute / OMCLT	2000-2001
6.19 Motorway Project (Chonburi-Pattaya)	Chonburi	~3000	Department of Highways	2002
<u>7. Area Development & Planning</u>				
7.1 Small Swamp Inland Fisheries	Eighteen Provinces in the North and in the East	900	Department of Fisheries	1982-83
7.2 Large Swamp Inland Fisheries (Bung Borapet, Kwan Phayao and Nong Han)	Nakhon Sawan Phayao and Sakon Nakhon	550	Department of Fisheries	1986
7.3 Awibengkok Geothermal Development	West Java, Indonesia	N.A.	Unico Co., Ltd.	1987
7.4 Darajat Geothermal Development	West Java, Indonesia	N.A.	Amosea Co., Ltd.	1987
7.5 Integrated Shrimp Farming Development Program	Six Provinces in Eastern and Southern Thailand	N.A.	Department of Fisheries	1987

ENVIRONMENTAL STUDY PROJECTS



PROJECT	LOCATION	PROJECT COST (MB)	CLIENT	DURATION
7.6 Master Plan for Thailand Industrial Management etc.	More than 40 Provinces in Thailand	N.A.	Pollution Control Department	1992
7.7 Environmental and Land Use Management Planning for Agriculture Project	Eastern Region	1.3	Office of Environmental Policy and Planning	1994
7.8 Environmental and Land Use Management Planning for Agriculture Project	Northern Region	1.7	Office of Environmental Policy and Planning	1995
7.9 L.P.N. Technofac Mini Factory	Samut Prakan	N.A.	L.P.N. Development Public Co., Ltd.	1995
7.10 Constructed Wetland Project at Nong Han	Amphur Muang Sakol Nakorn	N.A.	Department of Fisheries	1995
7.11 Constructed Wetland Project at Kwan Phayao	Amphur Muang Phayao Province	N.A.	Department of Fisheries	1995
7.12 Environmental Master Plan for Mineral Resource Development in the Mineral Economic Zone	Tak and Sukhothai Province	N.A.	Department of Mineral Resources	1996
7.13 Water Resourees Development for Southern Seaboard Development	Suratthani, Nakhon Sri Thammarat, Krabi Phangnga, Phuket	N.A.	Royal Irrigation Department	1996
7.14 CU Master Plan	Bangkok	N.A.	Chulalongkorn University	1996
7.15 Environmental Master Plan for Mineral Resource Development in the Mineral Economic Zone	Uttaradit Province	N.A.	Department of Mineral	1997
7.16 Feasibility and Environmental Study for Waterfront Parks, Bang Khun Thien, Bangkok, Bang Poo, Samut Prakarn	Bang Khun Thien Bangkok, Bang Poo, Samut Prakarn	N.A.	Department of Fisheries	1997

ENVIRONMENTAL STUDY PROJECTS



PROJECT	LOCATION	PROJECT COST (MB)	CLIENT	DURATION
7.17 Environmental Impact Assessment Survey for the Integrated Agriculture Development in the Agricultural Land Reform Area in the Upper Northeastern Region, the Kingdom of Thailand	Mukdahan	N.A.	JICA	1997
7.18 Phuket Marine Biological Center Expansion Project	Phuket	N.A.	Department of Fisheries	1997
7.19 Town Development Master Plan for Industrial Ring Road	Bangkok	N.A.	BMA & OCMLT	1999
7.20 The Study and Design of Tourism Facilities in the National Park ; Sam Roi Yot, Taru Tao and Pang-nga	Prachuap Khirikhan Satul and Pang-nga	N.A.	Royal Forestry Department	1999
7.21 The Study and Design of Tourism Facilities in Khao Yai National Park	Nakorn Ratchasima	N.A.	Royal Forestry Department	1999
7.22 The Study and Design of the Facilities in Bung Borapet Swamp for the Environmental Conservation and Improvement of the Waterfowl Park	Nakorn Sawan	N.A.	Royal Forestry Department	1999
7.23 Environmental Master Plan for Gemstone Development in the Mineral Economic Zone	Chanthaburi and Trad Province	N.A.	Department of Mineral	1999
7.24 The Application of Remote Sensing and Geographic Information System for Land Utilization Change. Wiang Lo Wildlife Sanctuary, Payao Province	Payao Province	N.A.	Royal Forestry Department	2000
<u>8. Public Participation</u>				
8.1 The Study of Kok-Ing-Nan Water Diversion Project, Baseline Survey of Socio-economic Condition and Villager's Intention of the Project.	Chiangrai	N.A.	JICA	1998-1999
8.2 The Study of Public Participation Promotion for Tung Kula Rong Hai Development	Tung Kula Rong Hai	N.A.	Department of Land Development	2000

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PROJECT	LOCATION	PROJECT COST (MB)	CLIENT	DURATION
8.3 Communities and Industry Co-Operation in the Promotional Environmental Awareness	Khon Kaen, Lamphun, Prachinburi	N.A.	Department of Health	2001
9. Other				
9.1 A Study of Monitoring System and Environmental Impact Assessment	In the whole Country	N.A.	Office of Environmental Policy and Planning	1993
9.2 The Environmental Monitoring of Pesticide Residue	In the whole Country	1.5	Pollution Control Department	1993