

Portfolio

EEI CLIENTS







1. ESCO PERFORMANCE GUARANTEED SERVICE

: Industry

Group 1.1: Power Plants and Cogeneration Power Plants

The total number of projects which is being serviced by EEI is **22** projects

Investment Cost **4,494,810,000** Baht Cost Saving **966,120,000** Baht

Year	No.	Logo	Client	Project	Investment Cost (Baht)	Cost Saving (Baht/Year)	Status
1999	1		Bangkok Produce Merchandising PCL. (a company in CPF group) Location: Saraburi	Cogeneration Power Plant 4.5 MW, 12 TPH, Gas Turbine Generator (GTG) (Fuel: Natural Gas)	183,000,000	47,000,000	Completion and over warranty period
2004	2		C. Gigantic Carbon Co., Ltd., North Eastern Starch (1987) Co., Ltd., Boon Wan Co., Ltd. Location: Nakornrachasima	Cogeneration Power Plant, 2.8 MW, 28.7 TPH, High Pressure Boiler & Steam Turbine Generator (HP & STG) (Fuel: Solid)	195,000,000	55,000,000	Completion and over warranty period
2004	3		Nong Bua Farm & Country Home Village Co., Ltd. Location: Ratchaburi	Cogeneration Power Plant, 1.2MW, 2.5 TPH, Gas Engine (GE) (Fuel: Biogas)	40,000,000	8,000,000	Completion and over warranty period
2005	4		Nan Yang Knitting Factory Co., Ltd. Location: Samuthsakorn	Cogeneration Power Plant, 1.8 MW, 22 TPH, High Pressure Boiler & Steam Turbine Generator (HP & STG) (Fuel: Solid)	155,870,000	49,000,000	Completion and over warranty period
2006	5		Thai Union Frozen Products PCL. Location: Samuthsakorn	Cogeneration Power Plant, High Pressure Boiler & Steam Turbine Generator (HP & STG)	167,000,000	40,000,000	Development Phase (contract closed)
2007	6		CPF Foods Co., Ltd. (Minburi 2) Location: Minburi, Bangkok	Cogeneration Power Plant, 4 MW, 2.8 TPH, Gas Engine (GE) (Fuel: Natural Gas)	135,000,000	35,000,000	Operation and Maintenance Phase



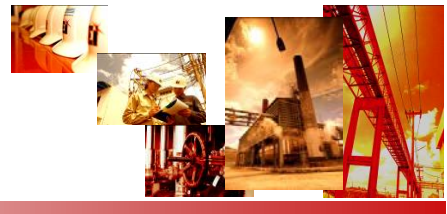
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Year	No.	Logo	Client	Project	Investment Cost (Baht)	Cost Saving (Baht/Year)	Status
2008	7		Bangkok Produce Merchandising PCL. (Phase # 2) Location: Saraburi	Cogeneration Power Plant, 4 MW, 2.8 TPH, Gas Engine (GE) (Fuel: Natural Gas)	132,000,000	33,000,000	Operation and Maintenance Phase
2008	8		CPF Foods Co., Ltd. (Nongjok) Location: Bangkok	Cogeneration Power Plant, 3 MW, 2.2 TPH, Gas Engine (GE) (Fuel: Natural Gas)	136,000,000	41,000,000	Operation and Maintenance Phase
2008	9		CP Meiji Co., Ltd. Location: Saraburi	Cogeneration Power Plant, 2 MW, 1.4 TPH, Gas Engine (GE) (Fuel: Natural Gas)	88,260,000	22,000,000	Operation and Maintenance Phase
2010	10		Plan ECO Energy Co., Ltd. Location: Trang	Cogeneration Power Plant, 4.5 MW, 3.4 TPH, Gasification(GF) (Fuel: Biomass)	340,000,000	75,000,000	Operation and Maintenance Phase
2010	11		E-Saan Sugar Industry Co., Ltd. Location: Kalasin	Cogeneration Power Plant, 2.7 MW, 45 TPH, High Pressure Boiler & Steam Turbine Generator (HP-STG) (Fuel: Biomass)	310,000,000	50,000,000	Development Phase (contract closed)
2010	12		Thai Central Chemical Public Co., Ltd. Location: Bangkok	Cogeneration Power Plant, 4 MW, 2.8 TPH, Gas Engine (GE) (Fuel: Natural Gas)	152,000,000	33,000,000	Operation and Maintenance Phase
2010	13		Bangkok Produce Merchandising PCL. (Sausage) Location: Saraburi	Cogeneration Power Plant, 1.5 MW, 1.1 TPH, Gas Engine (GE) (Fuel: Natural Gas)	64,440,000	12,890,000	Development Phase
2010	14		CPF Foods Co., Ltd. (Nongjok : Expansion Phase 1) Location: Bangkok	Cogeneration Power Plant, 1.5 MW, 1.1 TPH, Gas Engine (GE) (Fuel: Natural Gas)	66,670,000	14,300,000	Operation and Maintenance Phase
2011	15		Booncharoen Green Energy Limited Partnership Location: Suphanburi	Engineering Consulting Service- Cogeneration PowerPlant, 5.3MW. Gasification(GF) / Gas Engine (Fuel: Biomass)	391,000,000	56,330,000	Development Phase



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Year	No.	Logo	Client	Project	Investment Cost (Baht)	Cost Saving (Baht/Year)	Status
2011	16		Indo Rama Polyester Industries PCL. Location: Rayong	Engineering Consulting Service— Cogeneration Power Plant, 16 MW, 9TPH Gas Turbine Generator (GTG) (Fuel: Natural Gas)	609,570,000	143,620,000	Development Phase (contract closed)
2011	17		C.P. Retailing and Marketing Co., Ltd. Location: Pathumthani	Cogeneration Power Plant, 6 MW, 4.2 TPH, Gas Engine (GE) (Fuel: Natural Gas)	242,000,000	60,980,000	Development Phase
2012	18		CPF (Thailand) PCL. (BKP-Sausage) Location: Saraburi	Cogeneration Power Plant, 1.5 MW, Gas Engine (GE) (Fuel: Natural Gas)	160,000,000	31,000,000	Development Phase (contract closed)
2012	19		CPF (Thailand) PCL. (Minburi 1) Location: Bangkok	Cogeneration Power Plant, 3 MW, Gas Engine (GE) (Fuel: Natural Gas)	175,000,000	32,000,000	Development Phase (contract closed)
2013	20		P.S.P Specialties Co., Ltd.	Cogeneration Power Plant	170,000,000	19,000,000	Development Phase (contract closed)
2014	21		Perfect Companion Group Co., Ltd. Location: Samutprakarn	Cogeneration Power Plant, 6 MW, 4.8 TPH, Gas Engine (GE) (Fuel: Natural Gas)	258,000,000	45,000,000	Development Phase
2014	22		AGC Chemicals (Thailand) Co., Ltd. Location: Samutprakarn	Feasibility Study for a Cogeneration Power Plant	324,000,000	63,000,000	Development Phase
TOTAL INVESTMENT COST OF ESCO PERFORMANCE GUARANTEED SERVICE					4,494,810,000	966,120,000	










Portfolio

Group 1.2: Other Energy Conservation Measures

The total number of projects which is being serviced by EEI is **7 Projects**

Investment Cost **627,816,721 Baht**

Cost Saving **229,847,547 Baht**

Year	No.	No.	Client	Project	Investment Cost (Baht)	Cost Saving (Baht/Year)	Status
2004	1		Thonburi Automotive Assembly Plant Co., Ltd. Location: Samutprakarn	Heat Pump, Lighting, VSD	1,725,000	500,000	Completion and over warranty period
2008	2		Pataya Food Industries Co., Ltd. Location: Bangkok	Low Pressure Boiler 15 TPH (Fuel: Solid)	70,091,721	23,347,547	Implementation Phase
2008	3		Thai Yamaha Motor Co., Ltd. Location: Samutprakarn	Heat Pump, ADMS, Lighting Improvement, EMS (Energy Managing System)	15,000,000	6,000,000	Completion and over warranty period
2009	4		Sura Bangyikhan Co., Ltd. Location: Pathumthani	Stillage evaporation improvement system	294,000,000	121,000,000	Operation and Maintenance Phase
2012	5		CPF (Thailand) PCL. (CPF-Korat) Location: Nakhonratchasima	Low Pressure Boiler 15 tons and a pot of hot pressure washers 5 MKcal/h (Solid Fuel)	186,000,000	77,000,000	Development Phase (contract closed)
2012	6		Norske Skog (Thailand) Co., Ltd. Location: Singburi	Low Pressure Boiler 40 TPH (Solid Fuel)	247,000,000	79,000,000	Development Phase
2013	7		Thai Beverage PCL. Location: Kanchanaburi	Stillage evaporation adjustment system	294,000,000	120,000,000	Operation and Maintenance Phase
TOTAL INVESTMENT COST OF ESCO PERFORMANCE GUARANTEED SERVICE					627,816,721	229,847,547	



Portfolio










: Building

Group 1.1: Guaranteed Savings Option

The total number of projects which is being serviced by EEL is **9 Projects**

Investment Cost **38,900,000 Baht**

Cost Saving **15,642,345 Baht**

Year	No.	Logo	Client	Project	Investment Cost (Baht)	Cost Saving (Baht/Year)	Status
2003	1		Central Sofitel Hua Hin Hotel Location: Prachuabkirikhan	Ozone for Laundry, Heat Pump, Chiller Replacement	8,900,000	3,400,000	Completion and over warranty period
2005	2		Royal Phuket City Hotel Location: Phuket	Ozone for Laundry, Heat Pump	3,100,000	1,100,000	Completion and over warranty period
2006	3		Dusit Thani Hotel Location Bangkok	Ozone for Laundry, Heat Pump	4,773,000	1,767,745	Completion and over warranty period
2006	4		Dusit Resort Pattaya Hotel Location: Pattaya, Chonburi	Ozone for Laundry, Heat Pump, Chiller Replacement	3,308,000	2,059,600	Completion and over warranty period
2006	5		Dusit Thani Resort & Polo Club Hotel Location: Petchburi	Ozone for Laundry, Heat Pump, Chiller Replacement	2,530,000	915,000	Completion and over warranty period
2006	6		Royal Princess Hotel-Srinakarin Location: Bangkok	Ozone for Laundry, Heat Pump, Chiller Replacement	1,146,000	693,000	Completion and over warranty period
2006	7		Royal Princess Hotel - Chiangmai Location: Chiangmai	Ozone for Laundry, Heat Pump, Chiller Replacement	5,722,420	1,711,000	Completion and over warranty period
2006	8		Royal Princess Hotel - Korat Location: Nakornrachasima	Ozone for Laundry, Heat Pump, Chiller Replacement	5,085,510	1,998,000	Completion and over warranty period
2006	9		Royal Princess Hotel - Larn-Luang Location: Bangkok	Heat Pump, Chiller Replacement	4,335,070	1,998,000	Completion and over warranty period
TOTAL INVESTMENT COST OF ESCO PERFORMANCE GUARANTEED SERVICE:					38,900,000	15,642,345	




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Group 1.2: Shared Savings Option

The total number of projects which is being serviced by EEL is **1 Project**

Investment Cost **10,680,000 Baht**

Cost Saving **3,030,000 Baht**

Year	No.	Logo	Client	Project	Investment Cost (Baht)	Cost Saving (Baht)	Status
2006	1		Grand China Princess Hotel Location: Bangkok	Chiller Replacement, VAV System, Lighting Control System, Heat Pump	10,680,000	3,030,000	Completion and under performance guaranteed period
TOTAL INVESTMENT COST OF ESCO SHARED SAVINGS OPTION					10,680,000	3,030,000	




2. PROJECT MANAGEMENT CONSULTANCY (PMC)/OWNER ENGINEERING (OE)/PROJECT ADVISORY (ADV)

: Industry

Group2.1 Power Plants and Cogeneration Power Plants

The total number of projects which is being serviced by EEL is **39 Projects**

Investment Cost **11,909,510,000 Baht**

Year	No.	Logo	Client	Location	Project	Investment Cost (Baht)	Status
2002	1		Crown Seal PCL.	Pathumthani	Efficiency Improvement in Cogeneration Gas Engine(GE)	15,000,000	Completion
2003	2		Chumporn Palm Oil Industry PCL.	Chumporn	Cogeneration Power Plant 3.5 MW, 40 TPH, High Pressure Boiler & Steam Turbine (Fuel: Biomass)	180,000,000	Completion
2003	3		Siam Oil & Fat Co., Ltd.	Krabi	Cogeneration Power Plant 3.5 MW, 35 TPH, High Pressure Boiler & Steam Turbine Generator (HP& STG) (Fuel: Biomass)	33,700,000	Completion



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Year	No.	Logo	Client	Location	Project	Investment Cost (Baht)	Status
2005	4		Jong Stit Co., Ltd.	Bangkok	Cogeneration Power Plant 1.7 MW, 25 TPH, High Pressure Boiler & Steam Turbine Generator (HP& STG)	300,000,000	Completion
2005	5		Ajinomoto (Thailand) Co., Ltd.	Samuth-prakarn	Cogeneration Power Plant 13 MW, 52.55 TPH, Gas Turbine Generator (GTG)	600,000,000	Completion
2006	6		Tanyarungroengchai Rice Mill (Thailand) Co.,Ltd.	Nakhonrat hasima	Cogeneration Power Plant 7.8 MW, 45 TPH, High Pressure Boiler & Steam Turbine Generator (HP & STG) (Fully Condensing VSPP Power Plant)(Fuel:Rice Husk)	573,000,000	Completion
2007	7		Sosuco Ceramic Co., Ltd.	Saraburi	Cogeneration Power Plant 4.5 MW. Gas Turbine Generator (GTG)(Fuel:Natural Gas)	284,340,000	Completion
2007	8		Charoen Pokphand Foods PCL. (CPF-Korat)	Nakornratch-asima	Cogeneration Power Plant 1 MW, 15 TPH, High Pressure Boiler & Steam Turbine Generator (HP& STG) (Fuel: Biomass)	203,000,000	Completion
2008	9		CPF Foods Co., Ltd. (Minburi 1)	Bangkok	Cogeneration Power Plant 3 MW, 2.2 TPH, Gas Engine Generator (GE) (Fuel: Natural Gas)	100,700,000	Completion
2008	10		A.P.K. Furnishing Parawood Co., Ltd.	Songkhla	Cogeneration Power Plant 3.4 MW, 30 TPH, High Pressure Boiler & Steam Turbine Generator (HP& STG) (Fuel: Biomass)	200,000,000	Completion



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Year	No.	Logo	Client	Location	Project	Investment Cost (Baht)	Status
2010	11		Nongbua Green Power Co., Ltd.	Nakhonsawan	Cogeneration Power Plant 1MW, Gasification(GF) + Gas Engine (Fuel: Biomass)	67,000,000	Completion
2011	12		Royal Equipment Co., Ltd.	Suratthani	Cogeneration Power Plant, MSW 50 TPD Biogas to Gas Engine 0.5 MW. LP Boiler&Steam	1,000,000,000	Development Phase
2011	13		Tha Laeng Recycling Co., Ltd.	Phetchaburi	Cogeneration Power Plant, MSW 50 TPD Biogas to Gas Engine 120 KW.	40,000,000	Implementation Phase
2011	14		CarbonBW (Thailand) Co.,Ltd. (Palm Mill Trang)	Krabi	Feedstock Feasibility Study Service	600,000,000	Completion
2011	15		CarbonBW (Thailand) Co., Ltd. (Palm Mill Trang)	Krabi	Cogeneration Power Plant 8 MW, 50 TPH, High Pressure Boiler & Steam Turbine Generator (HP& STG) (Fuel: Biomass)	725,500,000	Completion
2011	16		Asia Recycle Technology Co., Ltd.	Samuthprakarn	Industrial Waste Management to Energy Project MSW 165 TPD Incinerator&Steam Turbine Generator 5 MW.	8,100,000	Development Phase
2012	17		Thai Tap Water Supply PCL.	Songkla	Cogeneration Renewable Energy (Technical Due Diligence)	770,000,000	Development Phase (contract closed)
2012	18		Thai Tap Water Supply PCL.	N/A	Cogeneration Renewable Energy Feasibility Study	933,000,000	Development Phase (contract closed)



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Year	No.	Logo	Client	Location	Project	Investment Cost (Baht)	Status
2012	19		CarbonBW (Thailand) Co., Ltd.	Nakhon Si Thammarat	Feedstock Feasibility Study Service	600,000,000	Development Phase (contract close)
2012	20		Plan ECO Energy Co., Ltd.	Trang	Operation & Maintenance Development Service	340,000,000	Completion
2012	21		Plan ECO Energy Co., Ltd.	Trang	On-Site Operation & Maintenance Supervision Service	340,000,000	Development Phase
2012	22		Plan ECO Energy Co., Ltd.	Trang	Fuel Conveyor System	340,000,000	Completion
2012	23		Tha Laeng Recycling Co., Ltd.	Phetchaburi	Commercial MSW Treatment Plant	70,000,000	Completion
2012	24		Srikrungwattana Co., Ltd.	Kampaeng etch	Rooftop Solar Power Plant	70,420,000	Completion
2012	25		Minburi Solar Co., Ltd.	Bangkok	Rooftop Solar Power Plant 3 MW	245,000,000	Completion
2012	26		Thai Gypsum Products PCL.	Bangkok	Feasibility Study for Energy Saving Project	N/A	Completion



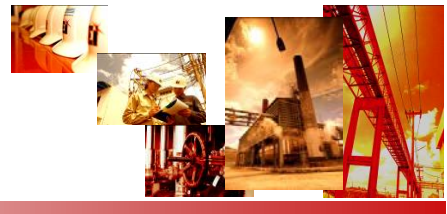
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Year	No.	Logo	Client	Location	Project	Investment Cost (Baht)	Status
2012	27		IRPC PCL.	N/A	Feasibility Study for Cogeneration Renewable Energy	1,100,000,000	Completion
2012	28		Italian-Thai Development PCL.	Kanjanaburi	Waste Heat Recovery to Power Generation Project	N/A	Completion
2012	29		Inter Pacific Paper Co., Ltd.	Prachin Buri	Preliminary Site Walk-Through Audit, Preliminary Performance Analysis & Recommendations	N/A	Completion
2013	30		Poon Phiphat Co.,Ltd.	3 Projects at Ayutthaya	Rooftop Solar Power Plant 3 MW	165,000,000	Completion
2013	31		Prize of Wood Green Energy Co., Ltd.	Pathumthani	Verify Contractor proposal for VSPP Power plant 7.5 MW	750,000	Completion
2013	32		Thailand Top Agro (Confidential)	18 Projects at Nakhon Ratchasima 7, Saraburi 7, Chachoengsao 1, Bangkok 1, Chonburi 1, Kanchanaburi 1	Rooftop Solar Power Plant 18 MW	990,000,000	Completion
2013	33		Big Three Property Perfect	2 Projects at Samuth-prakarn	Rooftop Solar Power Plant 2 MW	110,000,000	Completion



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Year	No.	Logo	Client	Location	Project	Investment Cost (Baht)	Status
2013	34		LVW Group Co., Ltd.	3 Projects at Nakhon Pathom	Rooftop Solar Power Plant 2 MW	110,000,000	Completion
2013	35		Booncharoen Green Engineering Co., Ltd.	2 Projects at Suphan Buri	Rooftop Solar Power Plant 2 MW	110,000,000	Completion
2013	36		Thai Solar Energy PCL.	13 Projects at Bangkok 5 , Lopburi, Nakhon Sawan, Phrae, Nakhon Ratchasima, Chumphon, Ubon Ratchathani, Nakhonsitha mmarat, Suratthani	Rooftop Solar Power Plant 13 MW	715,000,000	Development Phase
2014	37		Traipat Energy Co., Ltd.	Chaiyaphum	Biomass Power Plant 10 MW	N/A	Development Phase
2014	38		Chao Khun Agro Products Co., Ltd.	Saraburi	Permit and Regulation for Biogas Power Plant 4 MW	N/A	Development Phase
2014	39		V.A. Energy Co., Ltd.	Bangkok	Waste to energy 1 MW	150,000,000	Development Phase
TOTAL INVESTMENT COST OF PROJECT MANAGEMENT CONSULTANCY(PMC)/OWNER ENGINEERING(OE)/PROJECT ADVISORY(ADV):						11,909,510,000	



Portfolio

Group2.2 Other Energy Conservation Measures

The total number of projects which is being serviced by **EI** is **25** Projects

Investment Cost **934,682,950** Baht

Year	No.	Logo	Client	Location	Project	Investment Cost (Baht)	Status
2000	1		Nan Yang Textile Co., Ltd.	Petchburi	Design and Install Energy Conservation System, Air Conditioning System and Substation 115/22 kV.	80,000,000	Completion
2002	2		Charoen Pokphand Foods Public PCL. (Completed Food Factory)	Nakorn-rachasima	Design and Install Energy Conservation System, Air Conditioning System and Substation 115/22 kV, Develop and Design Production Process.	180,000,000	Completion
2002	3		Muang Thong Aluminum Industry Co., Ltd.	Bangkok	Efficiency Improvement in Air Conditioning System and Refrigerant System (PROA)	1,291,000	Completion
2003	4		Essilor Manufacturing (Thailand) Co., Ltd.	Bangkok	Energy Audit and Pre-feasibility study, Implementation	3,500,000	Completion
2003	5		Sun Food International Co., Ltd.	Saraburi	Design and Install 115/22 kV Substation	25,000,000	Completion
2003	6		Bangkok Produce Merchandising PCL.	Saraburi	Power Quality Study & Analysis	659,450	Completion
2005	7		North Eastern Starch (1987) Co., Ltd.	Nakorn-rachasima	Design and Install Biogas Engine Generator	15,400,000	Completion
2008	8		ThaiOil PCL.	Chonburi	Heat Recovery from Gas Turbine Fuel Gas	175,000,000	Completion
2008	9		Thai Union Frozen Products PCL.	Samuth Sakorn	Solid Fuel Low Pressure Boiler	1,026,000	Completion
2009	10		Thai Union Frozen Products PCL.	Samuth Sakorn	Power Quality Improvement	3,900,000	Completion
2009	11		Pataya Food Industries Co., Ltd.	Samuth Sakorn	Owner Engineer Service for Turnkey - Biogas Project	130,000,000	Completion
2009	12		Metro Group Energy Co., Ltd.	Kamphaengphet	Owner Engineer Service for Turnkey - Biogas Project	150,000,000	Completion



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Year	No.	Logo	Client	Location	Project	Investment Cost (Baht)	Status
2009	13		Red Bull Distillery Co., Ltd.	Samuth Sakorn	DSM Bidding by Energy Policy and Planning Office (EPPO), Ministry of Energy	18,782,500	Completion
2009	14		SRF Technical Textiles (Thailand) Co., Ltd.	Rayong	DSM Bidding by Energy Policy and Planning Office (EPPO)	11,910,000	Completion
2009	15		Indo Rama Polyester Industries PCL.	Rayong	DSM Bidding by Energy Policy and Planning Office (EPPO)	36,804,000	Completion
2009	16		Metro Group Energy Co., Ltd.	Kamphaeng Phet	Gas Engine(GE) from Biogas	12,000,000	Completion
2010	17		Indo Rama Polyester Industries PCL.	Rayong	DSM Bidding by Energy Policy and Planning Office (EPPO)	N/A	Completion
2010	18		Nongbua Green Power Co., Ltd.	Bangkok	Submit the "Renewable Energy Generation from Biomass Pilot Project" granted by The National Innovation Agency"	67,000,000	Completion
2010	19		MFC Asset Management PCL.	Bangkok	Energy Business Development	11,910,000	Completion
2011	20		Thai Yamaha Motor Co., Ltd.	Samutprakarn	Energy Monitoring System-EnMoS	N/A	Completion
2011	21		Thai Yamaha Motor Co., Ltd.	Samutprakarn	Energy Monitoring System	3,500,000	Development Phase
2014	22		Thai Beverage PCL.	Kanchanaburi	Development Work Manual of stillage evaporation system	N/A	Development Phase
2014	23		Chaopraya Pirchai 2999 Kamphaeng Phet Co., Ltd.	Kamphaeng Phet	Development exhausted heat to power	N/A	Completion
2014	24		Multibax PCL.	Bangkok	Investment Grade Audit and Granting from government	7,000,000	Completion
2014	25		Combined Heat and Power Producing Co., Ltd.	Bangkok	ESCO Business Plan Development	N/A	Development Phase
TOTAL INVESTMENT COST OF PROJECT MANAGEMENT CONSULTANCY(PMC)/OWNER ENGINEERING(OE)/PROJECT ADVISORY(ADV)						934,682,950	



Portfolio

: Building

The total number of projects which is being serviced by EEL is **7 Projects**
Investment Cost **23,995,000 Baht**

Year	No.	Logo	Client	Location	Project	Investment Cost (Baht)	Status
1999	1		United Nations Thailand (UN)	Bangkok	AirConditioning System	20,000,000	Completion
2002	2		GLOBAL Energy Partners	USA	Project Identification and Feasibility Studies for Government Buildings	170,000	Completion
2004	3		Laguna Resort and Hotel	Phuket	Electrical Safety Audits	650,000	Completion
2004	4		Bangkok Intercontinental Hotel	Bangkok	PROA, Energy Monitoring System (Electricity)	3,175,000	Completion
2009	5		Asian Development Bank: ADB	Thailand	Project Management and Engineering Consulting Service: Mainstreaming EE Measures for Thai Municipalities	N/A	Operation and Maintenance Phase
2010	6		Thai Airways International PCL.	Bangkok and Samut Prakan	Energy Audit Service and Energy Feasibility Study for 5 years Master Plan	N/A	Completion
2012	7		Lertrattakarn Co., Ltd.	Bangkok	Energy Saving Project for Commercial Building (Park Venture)	N/A	Development Phase
TOTAL INVESTMENT COST OF PROJECT MANAGEMENT CONSULTANCY(PMC)/OWNER ENGINEERING(OE)/PROJECT ADVISORY(ADV)						23,995,000	



Portfolio


: Other Projects

The total number of projects which is being serviced by EEI is **9 Projects**
Investment Cost **22,898,000 Baht**

Year	No.	Logo	Client	Location	Project	Total Investment Cost (Baht)	Status
1999	1		T.N. Information System Co., Ltd.	EGAT	Project Development: DSM/MIS	10,000,000	Completion
1999	2		Schiller Associate	MEA	Project Development: MEA/ESCO	10,000,000	Completion
2001	3		Copper Development Center—South East Asia	PEA	Project Development: PEA Shock Hazard Protection	898,000	Completion
2002	4		Pollution Control Department and Thonburi Automotive Assembly Plant Co., Ltd.	Bangkok	Project Consultant: Design an Electricity Coach: Hybrid Type	2,000,000	Completion
2014	5		Thai ESCO Association	Bangkok	Project Consultant: Energy Promotion, Development and Preservation mechanism by ESCO	N/A	Development Phase
2014	6		Thai ESCO Association	Bangkok	Project Consultant: Potential Development of ESCO in Thailand's Steel Industry	N/A	Development Phase
2014	7		Full Advantage Co., Ltd.	Bangkok	Project Consultant: Policy Recommendation to implement Demand and Response (DR) under electricity crisis within both short and long term	N/A	Development Phase
2014	8		World Alliance for Thai Decentralized Energy Association (WADE THAI)	Bangkok	Project Consultant: Demonstration of Demand and Response (DR) in industrial estate area	N/A	Development Phase
















Portfolio

2014	9		German International Cooperation (GIZ)	Bangkok	Project Consultant: Design Structure for governmental grant supported for vehicle parts industry	N/A	Development Phase
TOTAL INVESTMENT COST OF PROJECT MANAGEMENT CONSULTANCY(PMC)/OWNER ENGINEERING(OE)/PROJECT ADVISORY(ADV)						22,898,000	


3. INDEPENDENT ENGINEER/LENDER ENGINEER

The total number of projects which is being serviced by **EI** is **10** Projects
Investment Cost **2,047,000,000** Baht

Year	No.	Logo	Bank	Client	Location	Project	Total Investment Cost (Baht)	Status
2009	1			Siam Ice Co., Ltd. Lenders: KBANK	Rayong	Review Business Model of Cold Storage 160 MW, 16 TPH	151,000,000	Completion
2010	2			Bangkok Solar Power Co., Ltd.	Lopburi	Solar Power Plant 11.04 MW.	N/A	Completion
2010	3			Sriwattana Green Power Co., Ltd. Lender: KBANK	Buriram	Biomass power plant 9 MW, 50 TPH.	N/A	Development Phase
2010	4			Suwadee Electricity Manufacturing Limited Partnership Lender: KBANK	Saraburi	Biomass power plant Plant 1.2 MW	N/A	Development Phase
2010	5			Superb Power Co., Ltd. Lender: KBANK	Saraburi	Biomass power plant Plant 1.2 MW	N/A	Development Phase
2010	6			L Solar 1 Co., Ltd. Lender: EXIM Bank	Prachinburi	Solar Power Plant Plant 8 MW	800,000,000	Completion
2011	7			Sermsubpaisarn Group 1999 Co., Ltd.	Nakhonsawan	Solid Waste Incineration Plant Project 8 MW.	950,000,000	Development Phase
2011	8			Kitchnarong Tanyakit Solar Co., Ltd. Lenders: KBANK	Nakhonsawan	Solar Power Plant 11.04 MW	126,000,000	Development Phase
2013	9			Supapat Tanyakit Co., Ltd. Lenders: KBANK	Nakhonsawan	Rooftop Solar Power Plant 250 kW	20,000,000	Development Phase



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Year	No.	Logo	Bank	Client	Location	Project	Total Investment Cost (Baht)	Status
2014	10			A Engineering Consultant Co., Ltd.	Sukhothai	Biomass Power Plant 2 MW and Biogas Power Plant 1 MW	N/A	Development Phase
TOTAL INVESTMENT COST OF INDEPENDENT ENGINEER / LENDER ENGINEER							2,047,000,000	

4. ENERGY MANAGEMENT INFORMATION SYSTEM: EMIS



The total number of projects which is being serviced by **EEL** is **8** Projects

Investment Cost **44,654,500** Baht

Year	No.	Logo	Client	Location	Project	Total Investment Cost (Baht)	Status
1999	1		Nan Yang Knitting Factory Co., Ltd.	Samutprakarn	Esco Performance Guaranteed Service and Energy Management Information System (EMIS)	3,550,000	Completion
2008	2		Thai Yamaha Motor Co., Ltd.	Samutprakarn	Heat Pump, ADMS, Lighting Improvement, EMS (Energy Managing System)	19,000,000	Completion
2008	3		Thai Union Frozen Products PCL.	Samuth Sakorn	Energy Management Information System (EMIS)	5,189,500	Completion
2009	4		Pataya Food Industries Ltd.	Samuth Sakorn	Steam Management System (SMS)	6,700,000	Completion
2009	5		Department of Industrial Promotion (DIP)	Bangkok	Project Management and Engineering Consulting Service: Energy Management Information System (EMIS)	1,500,000	Completion
2011	6		Sura Bangyikhan Co., Ltd.	Pathumthani	Energy Management Information System (EMIS)	5,300,000	Completion



Portfolio

2012	7		CPF Foods Co., Ltd. (Minburi 2)	Bangkok	Energy Management Information System (EMIS)	415,000	Completion
2012	8		Plan ECO Energy Co., Ltd.	Trang	PMS for Cogeneration Power Plant , 4.5 MW, 3.4 TPH, Gasification (GF)	3,000,000	Completion
TOTAL INVESTMENT COST OF ENERGY MANAGEMENT INFORMATION SYSTEM: EMIS						44,654,500	