

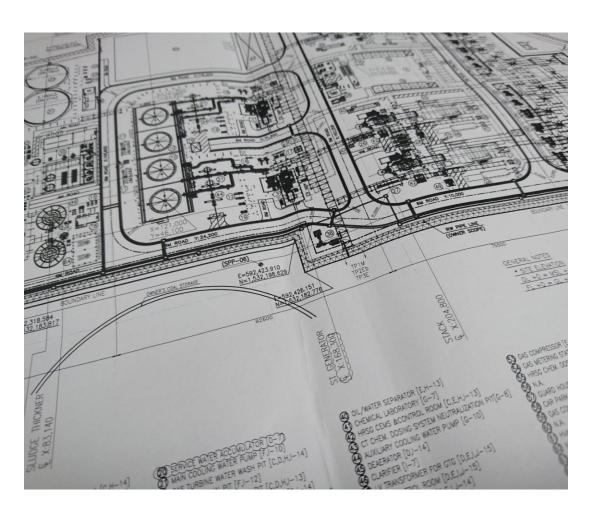
Company Profile

TRIANGLE ENGINEERS (THAILAND) CO.,LTD.

Highly Responsible for Engineering



About us



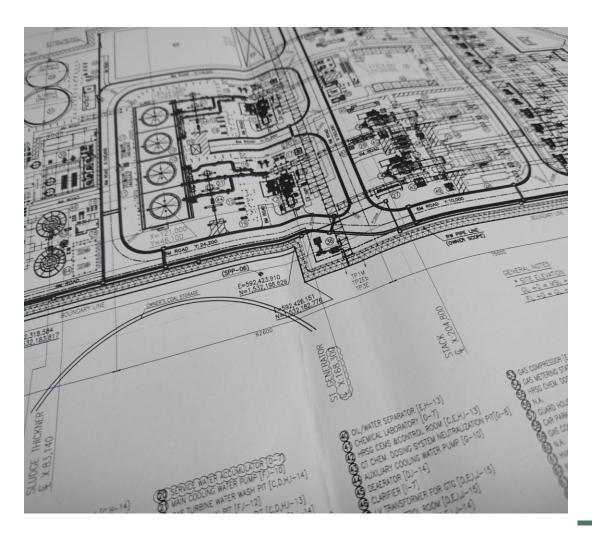
- Triangle Engineers and Constructors, Inc., a USA based company, is a
 multiple service organization with specialized expertise and established
 background in refining, chemical, petrochemical, public works and
 hazardous waste disposal industries.
- Triangle Engineers and Constructors, Inc. was organized in 1980 to offer its clients "single source responsibility", the service and ability of providing engineering, construction and maintenance under one commercial agreement or to perform independently as a consulting firm or general mechanical/maintenance contractor.
- As a multi-disciplines consulting firm, Triangle Engineers and Constructors, Inc. provides engineering services that range from concept and process development to final "for construction" detailed design. In the past, we have been involved in projects requiring "grassroots" development as those involving modifications / additions to existing facilities. Our staff includes registered professional and degree engineers and technical support personnel with state-of-the-art expertise in the process, civil, structural, mechanical, electrical and instrumentation disciplines. We offer engineering services surrounding hydrocarbon and bulk material transmission, debottlenecking, Power plant and modernization energy conservation projects

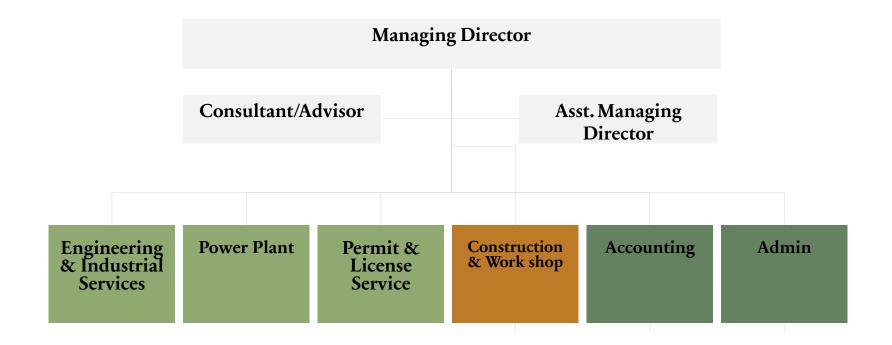
About us

• Triangle Engineers (Thailand) Co., Ltd. was established in 1993. It has been organized by a group of well experienced Thai engineers who have worked in the USA for many years led by Mr. Montee S. Swann PE. The company has been formed to provide engineering and construction services in all kinds of industries.

In 1995 the company has opened another office in Map Ta Phut, Rayong to serve the industries in eastern area of Thailand.

- Triangle Engineers (Thailand) Co., Ltd do provide our professional and experience engineers and our staffs to do and serve your business to be succussed.
- Our Capital Registration: 20,000,000 Thai Baht





ORGANIZATION CHART



ENINEERING

PROCUREMENT

CONSTRUCTION

COMMISSIONING SERVICES



ENGINEERING

Design & Engineering

Plans:

Provided systems concepted design upon and meet to customer requirement

Basic and Details Design:

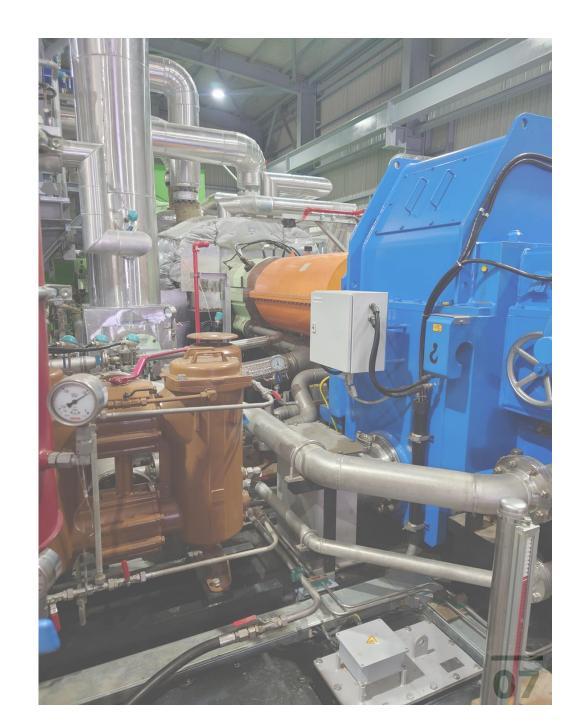
Upon completion of basic design, system requirements documents are written, including process design, equipment structure, and equipment arrangement; proposals for the basic system structure are developed; and then overall costs are calculated.

Project Feasibility Study & Planning

Customer can be forecast the Outcome, BEP (Break Even Point), Risk Assessment and Financial Analysis

PROCUREMENT

- Procurement Management is the process of documenting project procurement decisions, specifying the approach, and identifying potential sellers. The key benefit of this process is that it determines whether to acquire goods and services from outside the project and, if so, what to acquire as well as how and when to acquire it. Goods and services may be procured from other parts of the performing organization or from external sources.
- The focus of procurement is on purchasing optimal equipment and materials and services according to a client's specifications, budget, and delivery requirements and on ensuring that they are delivered to the specified sites on time by related with scheduling of project and customer plan and meet requirement.





CONSTRUCTION

We are the professional services that provides our clients with with effective management of the project's schedule, cost, quality, safety, scope, and functions.

Our Construction services are Architecture, Civil & Structure, Mechanical, Electrical and Instrument work.

COMMISSIONING

Project commissioning is the process of ensuring that all systems and components of a building or industrial plant are designed, installed, tested, operated, and maintained according to the owner's or final client's operational requirements and assisted operation team until full operation







SERVICES

We provides of professional licenses and more experiences engineering to serve your business for

- Project Management
- Construction Management & Site Supervision
- Boiler Inspection and Certificated
- Power Plant Boiler Operation Permit
- Government Certificated, Permit and license
- Government Co operated
- Operation & Maintenance
- Training
- Equipment Inspection
- Site surveys and Site selection

PRESENT PROJECT

BPAT 2 & 3 COMBINE CYCLE PROJECT B.Grimm Power Plc.

Scope of work:

- Overall E& I Design, Project Coordination, Construction drawing of E&I Bulk of Material Design and Balance of Plant
- Boiler inspection & Certificated





PRESENT PROJECT

Landfill Waste Disposal and Power Generation 9.5 MW

Siam Power Co.,Ltd.

Scope of work:

Project Management , Engineering and Construction Management







PRESENT PROJECT

Nongsarai MSW to Energy Power Plant 9.9 MW

Siam Power Co.,Ltd.

Scope of work:

Engineering & Project Management























































List of Project

Project reference				
Year	Project Name	Description	Client	End user
May,2020 - Aug,2023	9.9 MW Waste to Energy Power Plant Nonthaburi Project	Engineering consultant and management	Siam Power Co.,Ltd.	Siam Power Co.,Ltd.
Aug,2022 - Aug,2023	BPAT2&3 Combine Cycle Power Plant	Over all design for E&I of Combine Cycle Power Plant 2x120MW	RMS Group of Company /Toshiba Plant Services Co.,Ltd	B.Grimm Power(Angthong) 2&3 Limited
Jul,2022 - Jan,2023	Drum Dryer No.F and Air classifier Machines process Project - Expansion Plant	Engineering Design for civil, mechanic and I&C.	Ingredion	Ingredion
Aug,2021 - Nov,2022	BPAMR Combine Cycle Power Plant	Over all design for E&I of Combine Cycle Power Plant 2x120MW	RMS Group of Company /Toshiba Plant Services Co.,Ltd	B.Grimm Power(AIE-MTP) Limited
Jul,2021 - May,2021	ABP1R &2R Combine Cycle Power Plant	Over all design for E&I of Combine Cycle Power Plant 2x120MW	RMS Group of Company /Toshiba Plant Services Co.,Ltd	Amata B.Grimm power 1&2 Limited
	5 Unit of 110 MW Power Plant Project	Engineering design and project supervision work service for electrical system.	Toshiba Plant Services Co.,Ltd	Amata B.grimm Power
May,2019 - Aug,2021	Landfill Waste Disposal and Power Generation 9.5 MW	Construction project management for 9.5 MW Power Plant	Siam Power Co.,Ltd.	Siam Power Co.,Ltd.
Feb - Jun,2019	Rice Husk 4.9 MW Biomass Power Plant	Over all E& I commission work and consultancy for plant operation	Siam Parboiled Rice Co.,Ltd.	Siam Parboiled Rice Co.,Ltd.
		Boiler operation permit certified for 2sets of 45.5 tph Boiler		Navanakorn Electricity Power Plant
Le contraction de la contracti	650 MW Mae Moh Power plant Unit4 replacement	Boiler operation permit certified for 1set of 300 bar(a) Super Critical Boiler		Mae Moh Power plant Unit4 replacement, Egat
	North Bangkok Power Plant Block 2 Development Project	Boiler operation permit certified for 2sets Boiler		Electricity Generating Authority of Thailand
	IRPC Clean Power Unit 21,22,31 and 32	Boiler operation permit certified for 2sets Boiler		IRPC Public Company Limited
	12 Power plant for IPP project	Boiler operation permit certified for 12 units of Boiler		Gulf JP Co.,Ltd.
2005	KAI-T Project (Hair care products)	Reactor tanks, piping system, electrical system and civil and steel structure work	Toyo-Thai Cooperation	
2010	FERRO 1,250 NM3/HR (Total) O2 VSA	Engineering design and construction work. (Civil Mechanical and Piping work)	Bangkok Industrial Gas Co.,Ltd.	Bangkok Industrial Gas Co.,Ltd.
	Main Pipe Rack Project	Calculation and shop drawing for steel structure for pipe bridge & pipe rack and fabrication and install.		Asian Industrial Estate
2001	Bender Building Project and POPIT Project	Engineering design and project management.		National starch & Chemical (Thailand) Ltd.
3	Nitrogen gas meter at PTTPE Project	Engineering design and construction work. (Civil Mechanical and Piping work)		PTT Chemical Public Company Limited
9	Pipeline distribution package 4 Project	Engineering design for rooting pipeline		PTT Utility Co.,LTD
Mar,2018 - May,2019	Coal fired power plant 135 MW CEL II Project	Over all design for E&I of Combine Cycle Power Plant 2x120MW	RMS Group of Company /Toshiba Plant Services Co.,Ltd	Cambodia Energy Limited II
Feb,2017 - Mar,2018	ABPR 5 Combine Cycle Power Plant	Over all design for E&I of Combine Cycle Power Plant 2x120MW	RMS Group of Company /Toshiba Plant Services Co.,Ltd	Amata B.Grimm power (rayong) 5 Limited
Feb - Nov,2017	Air Cooled Heat Exchanger (Closed Loop Water Cooling System)	EPC for Air Cooled Heat Exchanger (Closed Loop Water Cooling System) ; Capacity 1,200 T/H	Bangkok Glass PCL	Kabinburi Glass Industry Co., Ltd.
Feb 2016 - Dec 2017	ABPR 3&4 Combine Cycle Power Plant	Over all design for E&I of Combine Cycle Power Plant 2x120MW	RMS Group of Company /Toshiba Plant Services Co.,Ltd	Amata B.Grimm power (rayong) 3&4 Limited
7	ABPR 3 Combine Cycle Power Plant	Boiler operation permit certified for 2sets of 66 tph Boiler	Toshiba Plant Services Co.,Ltd	Amata B.Grimm power (rayong) 3 Limited
	ABPR 4 Combine Cycle Power Plant	Boiler operation permit certified for 2sets of 66 tph Boiler	Toshiba Plant Services Co.,Ltd	Amata B.Grimm power (rayong) 4 Limited
Nov,2015 - Oct,2017	Banpong Unitilities Combine Cycle Power Plant	Over all design for E&I of Combine Cycle Power Plant 2x120MW	RMS Group of Company /Toshiba Plant Services Co.,Ltd	Banpong Utilities Co., Ltd. (EGCO)
May,2015 - May,2016	Bowin Green Energy Combine Cycle Power Plant	Over all design for E&I of Combine Cycle Power Plant 2x120MW	RMS Group of Company /Toshiba Plant Services Co.,Ltd	Bowin Clean Energy Limited
Feb,2014 - Jun,2015	ABP 4&5 Combine Cycle Power Plant	Over all design for E&I of Combine Cycle Power Plant 2x120MW	RMS Group of Company /Toshiba Plant Services Co.,Ltd	Amata B.Grimm power 4&5 Limited.
ui.	ABP 4&5 Combine Cycle Power Plant	Boiler operation permit certified for 2sets of 66 tph Boiler	Toshiba Plant Services Co.,Ltd	Amata B.Grimm power 4&5 Limited.
CV Started Street Street				

List of Project

Jun - Sep,2004

May - Jun,2003

Mar - Apr,2003

Feb - May,2003

Oct - Nov,2002

Dec,2003 - Jun,2004

Jul,2003 - Feb,2004

Sepon Copper Project

TAF 3 & TAF 4 Project

SWS Project

T2 Project

MIG Project

POPIT Project

Suspension Modified Tapioca Starch Project

Project reference			
Year	Project Name	Description	Client
2014 - 2016	3MW Waste Heat Recovery Power Plant		Bangkok Glass PCL
2014 - 2016	9.9 MW Mahachai Green Power Plant	Project management and training program.	Thai Polycons PCL
Sep, 2014 - Jan, 2015	TPI 115kV Extension Project	Design engineering for 115kV Substation.	ABB Ltd.
Sep, 2014 - Jan, 2015	ABB - PTTGC SPP NON-FIRM Project	Project Coordination and engineering design	ABB Ltd.
Dec,2013		Training program.	Asia Kraft Paper Co.,Ltd.
May, 2013 - Jan, 2014	Ywama Power Plant	Electrical engineering design for power plant	RMS Group of Company
Mar - Aug,2013	Splitfire Project - Expansion Plant	Engineering Design for civil, mechanic and I&C.	Ingredion
Feb, 2013	2x120MW Gas Turbine Power Plant Project	Piping, Electrical and control Engineering design for construction.	RMS Group of Company
March 2012 - January 2013	ABPR 1&2 Combine Cycle Power Plant	Over all design for E&I of Combine Cycle Power Plant 2x120MW	RMS Group of Company /Toshiba Plant Services Co.,Ltd
		Boiler operation permit certified for 2sets of 66 tph Boiler	Toshiba Plant Services Co.,Ltd
March, 2012	New PCC Plant 80,000 tons Project	Design piping & calculation piping for construction.	
Feb - Dec,2012	2x18 MW Biomass Power Plant Project (sugar mill)	Piping, Electrical and control Engineering design for construction and supervision for installation and commissioning for Biomass power plant (sugar mill)	Kampangphet Bio Energy Co.,Ltd.
Oct,2011 - Feb,2012	2x18 MW Biomass Power Plant Project (sugar mill)	Piping, Electrical and control Engineering design for construction and supervision for installation and commissioning for Biomass power plant (sugar mill)	Sukhothai Bio Energy Co.,Ltd.
Oct - Dec,2011	4200 Monoplace hyperbaric system Project	Management project & review calculation pressure vessel (PVHO) total 3 model.	
Oct - Nov,2011	Nestle Project Frontier	Design pressure vessel & Detail drawing for fabrication total 1 model.	
Aug - Oct,2011	SCR De-NOx Project	Design pressure vessel & Detail drawing for fabrication total 2 model.	
Jun - Jul,2011	NNE CCGT SPP Project	Design pressure vessel & Detail drawing for fabrication total 1 model.	
May - Oct,2011	TPK Ethanol product plant 340,000 Litres/Day Project	Design piping & calculation piping for Construction.	
Mar - Oct,2011	Increase Loading Facility for Low PCA Oil Project	Design piping & calculation piping for Construction	
Feb - Oct,2011	36 MW Biomass power plant Project	Design piping & calculation piping for Construction	
Feb - Sep,2011	GULF JP Project	Design pressure vessel & Detail drawing for fabrication total 18 model.	
Dec,2010 - Jan,2011	UNILEVER, SRI LANKA Project	Design pressure vessel & Detail drawing for fabrication total 3 model.	
Nov,2010 - Mar,2011	Debottle Necking Project	Design piping & calculation piping for Construction.	
Nov - Dec,2010	Solar power plant-Kanchanaburi Project	Design piping & calculation pipe stress analysis for Construction.	
Sep - Oct,2010	UNILEVER RFM ICE CREAM Project	Design pressure vessel & Detail drawing for fabrication total 7 model.	
Aug,2010 - Mar,2011	4200 Monoplace Hyperbaric Chamber Project	Management Project & Review calculation pressure vessel (PVHO) total 2 model.	
Apr - May,2010	Fully Automation Project	Project management.	
Jan - Feb,2010	As built Drawing Block valve station	Project management.	
Nov - Dec,2009	Addition Condensate line 2" Project	Construction management.	
Nov,2008 - Feb,2009		Design rooting piping and Calculation pipe stress analysis for Construction	
Nov,2008 - Feb,2009	PSV/Isolate valve & platform	Design rooting piping and Calculation pipe stress analysis for Construction	
Jun,2008 - Jun,2009	PIPELINE DISTRIBUTION PACKAGE 4 Project	Design rooting piping and Calculation pipe stress analysis for Construction	
Sep,2006 - Feb,2008	Bio Diesel Plant 1 Project	Management Project Design P&ID, Piping and Layout Equipment for Construction	
Jul - Aug,2006	Modify Pipe rack Step 1&2	Renovate pipe rack and design routing piping for new pipe rack.	
Nov,2005 - Mar,2006	SIMA Project	Management Process, Piping and Layout Equipment.	
Sep - Dec,2005	Bio Diesel Project	Design P&ID, Piping and Layout Equipment for Construction.	
Jan - May,2005	SIMA Project	Design P&ID, Piping and Layout Equipment for Construction.	
Nov - Dec,2004	Construction Factory	Design Piping and Layout Equipment.	
Sep - Oct,2004	Bender Building Project	Design Piping, Exhaust Fan and Layout Equipment for Preliminary.	

Control document & drawing to fabrication, Calculation cutting plan and take of.

Assistance Design Piping and Preparation Piping drawing for Construction.

Assistance Design Piping and Preparation drawing for Piping Drawing for construction.

Design P&ID, Piping and Layout Equipment for Preliminary.

Design P&ID, Piping and Layout Equipment for Construction.

Check root piping and preparation drawing for P&ID Drawing.

Check line piping and check mark point to patch code piping.

contact info

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