

# INSULATION WORK SPECIALIST

**Sirin Engineering Co., Ltd.** was founded in 1993. Our business is engaged in supply and installation of thermal insulation, ducting, etc.. Sirin Engineering Co., Ltd. Produces high quality in fabrication and erection thermal insulation for Power plant, Petrochemical, Process and Defense industries.



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# PROFESSIONAL AND TECHNICAL SERVICES



#### **Thermal Insulation**

Mineral wool, Fiberglass, Calcium silicate, Ceramic fiber for process plants, Storage tanks, Equipment, Vessels, Columns, Towers, Boilers, Furnaces, Piping, Fitting and Thermal protection of buildings.



#### **Cold Insulation**

Elastomeric thermal,
Polyurethane, Cellular glass for
spherical tanks, Liquid gas
storage tanks, Equipment, Towers,
Columns, Piping and Fitting.



#### **Ducting**

Rectangular duct, Round duct, Spiral duct for air conditioning, Supply air, Exhaust air, etc.

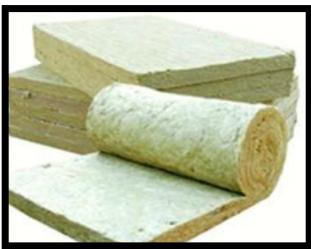


### **HOT MATERIAL SPECIFICATION**



#### **ProRox PS**

- •120 150 kg/m3 density.
- •Pipe OD.21.3 711.0 mm.
- •Recommended operating temperature up to 650oC (1202 °F)
- •Capability of handing intermittent temperature up to 1000 °C (1800 °F)



#### ProRox SL / BL

- •Plain or with facing.
- •slab or blanket.
- •60-145 kg/m3.
- •Thickness 25-100 mm.
- •Recommended operating temperature up to 850 °C



#### **ProRox WM**

- •Galvanize or Stainless wire mesh.
- •80-128 kg/m3.
- •Recommended operating temperature up to 750 °C



### **HOT MATERIAL SPECIFICATION**



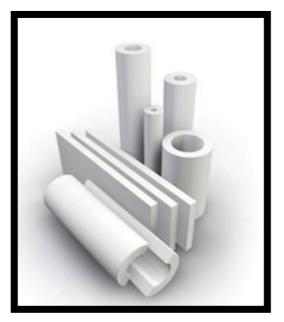
#### **FIBERGLASS**

- •Surface burning characteristics : Flame spread 25, Smoke developed 50
- •Light reflectance 75% or over.
- •Moisture absorption less than 1.5% by weight.
- •Will not provide sustenance for mold, funfi, bacteria or vermin.



#### **CERAMIC FIBER**

- •96 or 128 kg/m3 density.
- •Temperature limits 1260-1460 °C
- •Gas flow velocity resistance up to 25 m/sec.
- •Reheat change -1.5% of 1200 °C x 24 hrs., -2.5% of 1300 °C x 24 hrs.



#### **CALCIUM SILICATE**

- •200 220 kg/m3 density.
- •Service temperature 650 °C and 1000 °C for Hi-temp.
- •Low thermal conductivity 0.035
- 0.0001 Kcal/mh°C

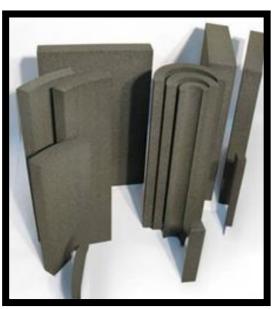
# บริษัท สิริน เอ็นจิเนียริ่ง จำกัด SIRIN ENGINEERING CO., LTD.

### **COLD MATERIAL SPECIFICATION**



#### **POLYURETHANE FOAM**

- •35-60 kg/m3 density.
- •Dimensional stability -0.1% of -15 °C x 48 hrs., 0.75-1% of 100oC x 48 hrs.
- •Water absorption 1.4 2 vol/vol%
- •Temperature limits -185 to 100 °C



#### **FOAMGLASS**

- •128 kg/m3 density.
- •Water absorption 0.2% by weight.
- •Max.Service Temperature +482 °C



# ELASTOMERIC THERMAL INSULATION

- •0.06 0.10 g/cm3 density.
- •Water absorption 3% by weight.
- •Temperature limit -57 to 120 °C
- •Excellent flexibility.



#### STAINLESS STEEL JACKETING

- Sirin Engineering's Stainless steel jacketing is manufactured from AISI Type 304 or 316L 2B Finish. They are available in a smooth finish and come with 5 mm. (3/16") corrugations.
- **Thickness**: 0.3 mm., 0.4 mm., 0.5 mm. (Other thickness available)
- **Widths** : 914 mm. come with moisture barrier and 1000 mm., 1200 mm. in mill finish.
- **Length** : Come in mother coil of approx. 1 metric ton or can be cut into 20 mm. length on request.

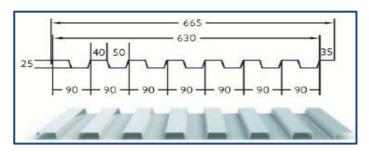
#### **ALUMINIUM ROLL JACKETING**

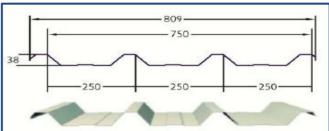
- Sirin Engineering 's Aluminium roll jacketing is manufactured from Type 3003, 3004 and 1060 Alloys and temper H-14 thought H-19 conforming to ASTM-B209. They are available in a smooth finish or a stucco embossed pattern and either finish can come with 5 mm. (3/16") corrugations.
- Moisture barrier prevents galvanic or chemical corrosion caused by contact of dissimilar metals and also soluble salts present in most industrial insulations.
- Sirin Engineering recommends that all jacketing systems have a moisture barrier to avoid heavy maintenance cost due to galvanic or chemical corrosion.
- **Thickness**: 0.4 mm., 0.5 mm. 0.6 mm. 0.8 mm., 0.9 mm., 1.0 mm. (Other thickness available)

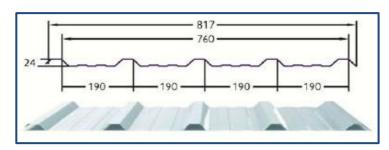
• Widths : 1220 mm.

• **Length** : 30 meter (Other lengths available on request)









#### **ALUMINIUM CORRUGATED SHEET**

• Aluminium Alloy 3003 with Temper H-14 as standard grade which provides superior corrosion resistance. (Other alloys are also available upon request).

#### **Mechanical properties**

• 0.2% Proof Strength: 145 MPa (minimum)

• Tensile Strength: 150-240 MPa

• Total Elongation: 8% (minimum) using gauge length of 50 mm.

#### **Standard Coil**

• Width: 914 mm.

• Thickness: 0.33 mm., 0.40 mm., 0.48 mm., 0.60 mm., 0.80 mm.

• Length : 1000 mm. (Other lengths available on request)



#### **MOUISTURE BARRIER**

- The corrosion of aluminum jacketing used to protect the insulation on piping, fittings, tanks and equipment has historically been a problem plaguing industrial plants throughout the world. Excessive corrosion exposes underlying insulation to the elements. This may reduce or even totally destroy its effectiveness.
- When insulation becomes moist, soluble salts present in most industrial insulations will function as a weak electrolyte. With the metal tank or pipe and the metal jacketing functioning as opposite poles, a low voltage galvanic cell is formed, which is detrimental to both poles.
- To prevent this attack at the metal/insulation interface, the incorporation of a laminated moisture barrier on the inner surface of the metal jacketing is highly recommended.
- Moisture barrier prevents galvanic or chemical corrosion caused by contact of dissimilar metals and also soluble salts present in most industrial insulations.

#### • Types of Moisture Barrier.

- POLYKRAFT MOISTURE BARRIER >> consists of 1-mil thick polyethylene and 40# natural kraft paper heat and pressure bonded to the inner surface.
- POLYSURLYN MOISTURE BARRER >> consists of 63um coextrusion of Dupont's surlyn and special polyethylene heat and pressure bonded to the inner surface.
- Sirin Engineering recommends that all jacketing systems have a moisture barrier to avoid heavy maintenance cost due to galvanic or chemical corrosion.
- Very often, the value of any moisture barrier has been questioned and attempt has been made to substitute a thin paint film for a true laminated moisture barrier. The absence of a moisture barrier, or even the use of an inferior moisture barrier, may accelerate the potential to corrode, thereby resulting in the premature failure of the protective metal jacketing system.



#### PRE-FABRICATED JACKETING SYSTEM

- The pre-fabricated jacketing is supplied in 914mm sections with a modified Pittsburg Z-lock on the longitudinal seam. Unless specified, the section comes with a bead on one side to prevent water from seeping into the insulation.
- The standard thickness of our jacketing system is 0.4mm. Other thickness are available upon request. Our pre-fabricated jacketing is supplied with a polykraft moisture barrier to prevent moisture and corrosives in the insulation from coming into contact with the metal jacketing surface thus causing galvanic or chemical corrosion.
- Each section comes complete with a stainless steel T-304 strapping band of 13mm width and a stainless steel wing seal.
- **Polykraft Moisture Barrier.** Polykraft moisture barrier consists of one layer of 1-mil polyethylene film with a layer of 40lb. natural kraft paper. The moisture barrier is s heat and pressure bonded to the full width and length of the metal.

#### PRE-PAINTED GALVANIZED JACKETING

- The paint applied to Sirin Engineering's Pre-painted Galvanized Jacketing are specially selected in accordance to the processing methods and the end use. The 2 coat 2 bake method of paint application provides the jacketing with extra resistance against abrasion impact, chemical and weathering.
- Sirin Engineering's Pre-painted Galvanized Jacketing is manufactured from cold rolled steel.

• Thickness: 0.3 mm., 0.4 mm. (Other thickness available)

Width : 914 mm.Length : 20 m. roll



### **SIRIN ENGINEERING COMPANY LIMITED**





### **OFFICE**







# **WORKSHOP**









### **WORKSHOP**





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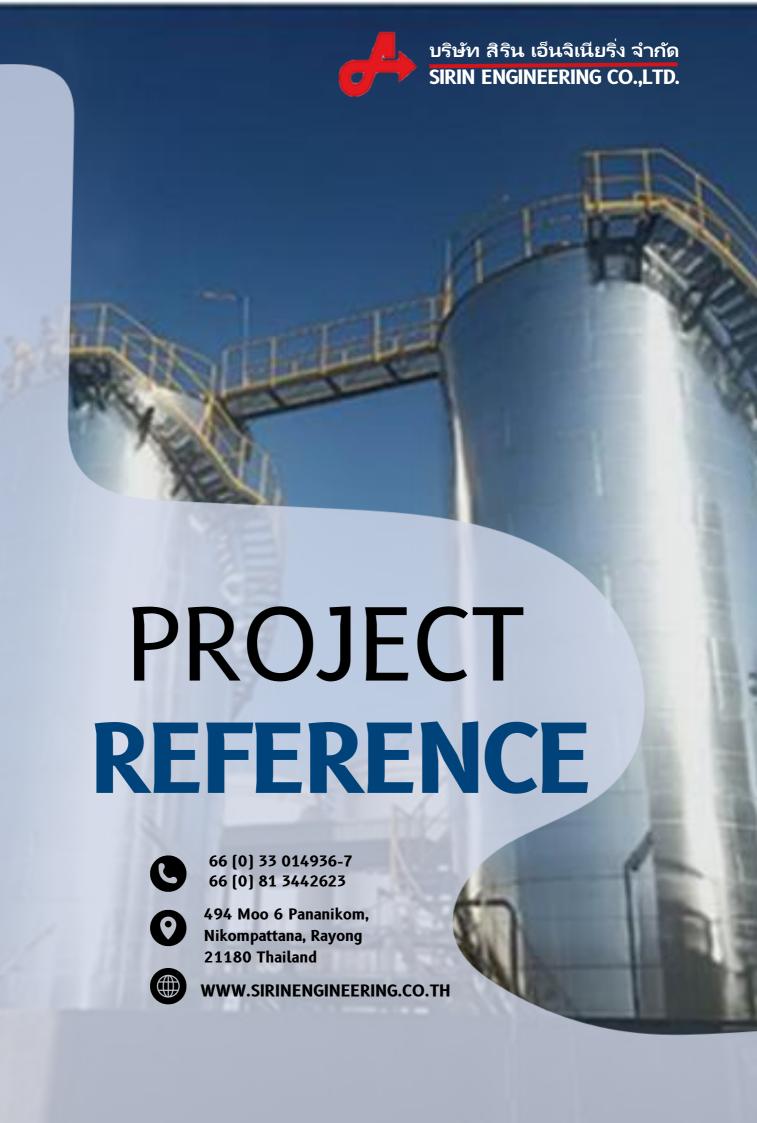




# **WAREHOUSE**





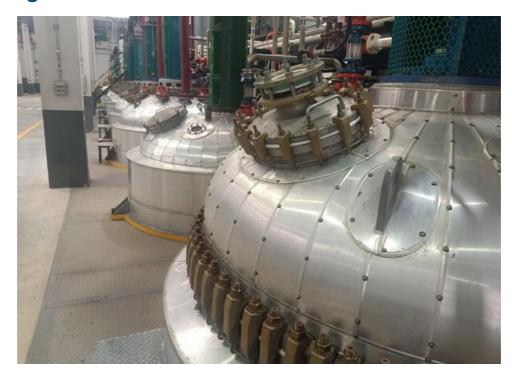




### **REAXO PHARMA & CHEM**

# HOT & COLD INSULATION WORK FOR PIPE AND EQUIPMENT OF REAXO CHEMICAL PLANT

**Rayong Province** 







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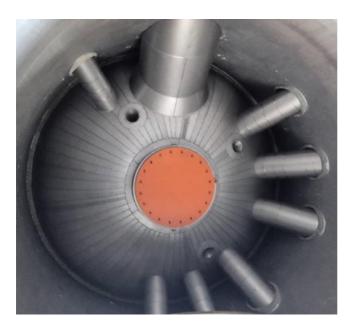






# HOT INSULATION WORK FOR PIPE AND EQUIPMENT OF THAI OIL PCL., CLEAN FUEL PROJECT.

### **Chonburi Province**









# HOT INSULATION WORK FOR PIPE AND EQUIPMENT OF HKP PROJECT

#### **Ratchaburi Province**









# HOT INSULATION WORK FOR PIPE AND EQUIPMENT OF GPD PROJECT

**Rayong Province** 







# HOT INSULATION WORK FOR PIPE AND EQUIPMENT OF GPD PROJECT

### **Rayong Province**









# HOT INSULATION WORK FOR PIPE AND EQUIPMENT OF GSRC PROJECT

**Chonburi Province** 









# TRC CONSTRUCTION PCL.

HOT INSULATION WORK FOR PIPE AND EQUIPMENT OF BANGCHAK BIOFUEL BBF PROJECT
Ayutthaya Province









# HOT INSULATION WORK FOR PIPE AND EQUIPMENT OF THAI OIL PCL., CLEAN FUEL PROJECT.

### **Chonburi Province**









# BANGCHAK CORP.

#### **HOT INSULATION WORK FOR TANK**

- Floating Roof Tank No. T-901G
- Cone Roof Tank No. T-995A

### **Bangkok**







### **GETABEC**

# **HOT INSULATION WORK FOR BOILER OF Thai Food Project Nakhon Pathom Province**









# HOT INSULATION WORK FOR STEAM PIPELINE OF GNRV PROJECT

**Nakhon Ratchasima Province** 









# **VANACHAI PANEL**

# HOT INSULATION WORK FOR PIPE AND EQUIPMENT OF OSB1 PROJECT

**Surat Thani Province** 







### **GUANGXI**

# HOT INSULATION WORK FOR EVAPORATOR PLANT of Kaset Phol Project Udon Thani Province



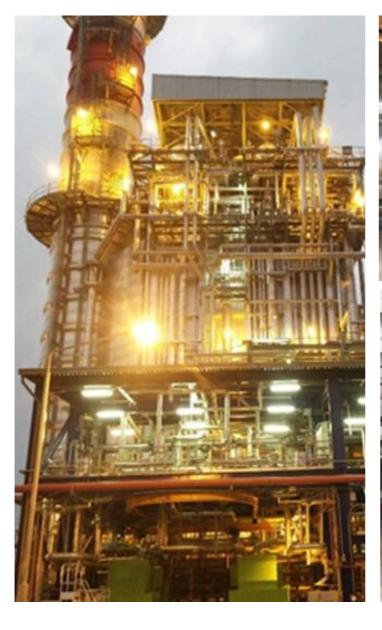




### MITSUBISHI CROP.

# INSULATION RECTIFICATION FOR TRAIN 1 & TRAIN 2 OF KHANOM COMBINE CYCLE POWER PLANT PROJECT

**Nakhon Si Thammarat Province** 









### **GETABEC**

# HOT INSULATION WORK FOR BIOMASS POWER PLANT OF BSW PROJECT

**Surat Thani Province** 







### **GETABEC**

# HOT INSULATION WORK FOR BIOMASS POWER PLANT OF OSW1 & OSW2 PROJECT

#### **Nakhon Si Thammarat Province**







# HOT INSULATION WORK FOR STEAM PIPELINE of SPP Project

**Rayong Province** 













# **VANACHAI PANEL**

# HOT INSULATION WORK FOR PIPE AND EQUIPMENT of MDF Project Surat Thani Province







### **VANACHAI PANEL**

# HOT INSULATION WORK FOR PIPE AND EQUIPMENT OF PARTICLE PROJECT

**Surat Thani Province** 





# **WELLMAN**

# HOT INSULATION WORK FOR VACUUM PAN OF MITR PHULUANG PROJECT LOEI PROVINCE





#### **GETABEC**

# HOT INSULATION WORK FOR POWER PLANT OF NNEG PROJECT PATHUM THANI PROVINCE





#### **SYNIMAGE MECHANICAL**

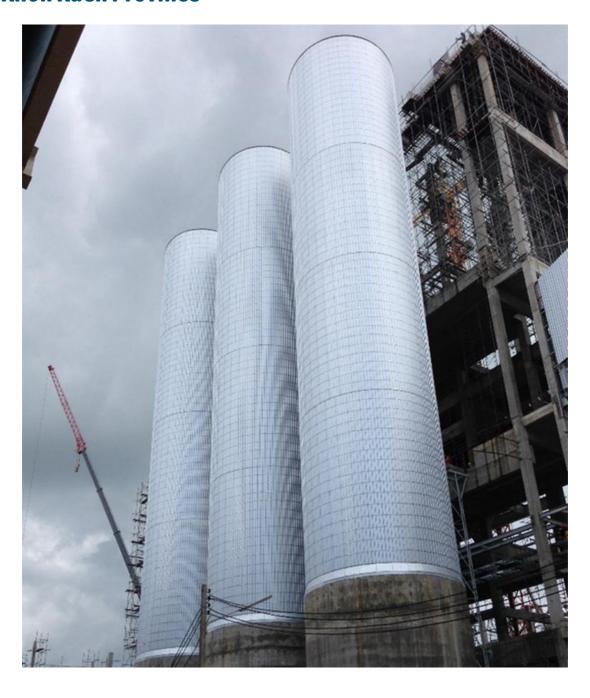
# HOT INSULATION WORK FOR STORAGE TANK OF FUJI OIL PROJECT RAYONG PROVINCE





# **WELLMAN**

# HOT INSULATION WORK FOR SILO OF MITRPHUWEING SUGAR MILL PROJECT Khon Kaen Province





#### **STECON**

#### HOT INSULATION WORK FOR PIPE AND EQUIPMENT

of Power plant 700Mw Project

**Ratchaburi Province** 







#### **AIBEL**

# HOT INSULATION WORK FOR PIPE AND EQUIPMENT

of Module Volve Project

**Rayong Province to Hauge Sund, Norway** 







#### **AIBEL**

# HOT INSULATION WORK FOR PIPE AND EQUIPMENT

of Module Modec Project

**Chonburi Province** 







#### **AMANO**

#### INSULATION WORK FOR DUST CONLLECTOR of

#### Sankyo Tateyama Project

#### **Prachinburi Province**







# THAI OLEFIN PCL.

#### INSULATION WORK FOR TOWER, PIPE & EQUIPMENT

#### **Rayong Province**









# **PORTFOLIO**

OVER THE PAST 32 YEARS, WE HAVE EARNED THE TRUST TO UNDERTAKE NUMEROUS SIGNIFICANT PROJECTS, INCLUDING CONSULTING ON INSULATION AND DUCTWORK SOLUTIONS TO ENHANCE ENERGY EFFICIENCY, REDUCE ENERGY COSTS, AND CREATE BETTER ENVIRONMENTS FOR OUR CLIENTS.





Project Title	Location	Client	Description
Asphalt mixing plant	Chonburi	Nikko Global Manufacturing (Thailand)	Insulation work for MDC Tank 50 Tons
Vegetable oil	Nakhon Ratchasima	Thai Edible Oil	Insulation work for pipe & equipment
Vegetable oil	Samut Prakan	Thai Edible Oil	Insulation work for pipe & equipment
Chemical plant	Map Ta Phut, Rayong	Reaxo Pharma & Chem	Hot & cold Insulation work for pipe & equipment
Power Plant	NNEG, Pathum Thani	Step Engineering and Management	Insulation work for Main Steam Pipeline, Nestle Metering Station & Pipe Trench
Particle board	Bambang, Chonburi	Vanachai Group	Insulation work for pipe & equipment
Power plant	Watthana Nakhon, Sa Kaeo	ES Energy	Insulation work for pipe
Morakot - Samrong	Samut Prakan	Synimage Mechanical	Insulation work for pipe & equipment
Chemicals	Map Ta Phut, Rayong	Thai Ethoxylate	Repair insulation work
Polymer additives	Chonburi	Sennics (Thailand)	Hot insulation work for pipe and equipment
MDF1, MDF2, MDF3,MDF5	Surat Thani	Vanachai Panel Industries	Reinstallation insulation work for Dryer duct, Mixing chamber, fan, pipe
Resin	Rayong	Kansai Resin	Hot & cold insulation work for pipe and equipment
Siam Michelin	Pu Chao Saming Phrai, Samut Prakan	Amano Thai International	Ducting work
Isuzu Engine Manufacturing (Thailand)	Latkrabang	Amano Thai International	Ducting work
Mitsubishi Elevator	Amata Chonburi	Amano Thai International	Ducting work
Panasonic	Ayutthaya	Amano Thai International	Ducting work
United winery	Nakhon Pathom	Dhanasindhi Engineering Service	Hot & cold insulation work for pipe and equipment
Beverage Red Bull	Samut Sakhon	Dhanasindhi Engineering Service	Hot & cold insulation work for pipe and equipment
Biomass 3MW.	Pattani	Pracharat Biomass Mae Lan	Insulation work for turbine
Sugar Mill	Watthana Nakhon, Sa Kaeo	Eastern sugar and cane	Hot insulation work for equipment and pipe
Ethanol	Nakhon Pathom	Thai Alcohol	Insulation work for pipe



<b>Project Title</b>	Location	Client	Description
Power Plant Hin Kong	Ratchaburi	STECON	Hot insulation work for pipe and equipment
Suvarnabhumi Airport	Samut Prakan	Thai Shinryo	DCAP electric chiller 8000 RT
Sugar Mill	Watthana Nakhon, Sa Kaeo	Eastern sugar and cane	Hot insulation work for equipment and pipe
Beverage	Chainat	Tawandang 1999	Insulation work for Steam & Condensate pipe
Knauf Gypsum (Thailand)	Saraburi	T.S.K. Engineering	Insulation work for equipment
Tawandang 1999 TOMSA 3	Chainat	Tawandang 1999	Hot insulation work for pipe and equipment
Polymer additives	Chonburi	Sennics (Thailand)	Hot insulation work for pipe and equipment
Ecoblue	Rayong	Synimage Mechanical	Hot & cold insulation work for pipe
Bridgestone NCR	Rayong	Amano Thai International	Ducting work
Beertip Brewery 1991	Ayutthaya	Dhanasindhi Engineering Service	Cold insulation work for pipe
Polymer additives	Chonburi	Sennics (Thailand)	Hot insulation work for pipe and equipment
Biomass 9.9MW.	Songkhla	Rungtiva Biomass	Insulation work for turbine
Resin	Rayong	Kansai Resin	Remove & reinstallation hot insulation work for Reactor
Sang Som	Nakhon Pathom	Dhanasindhi Engineering Service	Cold insulation work for pipe
Asphalt mixing plant	Chonburi	Nikko Nilkhosol	Insulation work for MDC Tank 50 Tons
Thai Vegetable Oil	Nakhonpathom	Synimage Mechanical	Hot insulation work for pipe
Silathong Organic	Kamphaeng Phet	Sutech Engineering	Hot insulation work for pipe
Sugar Mill	Wang Somboon, Sa Kaeo	Eastern sugar and cane	Hot insulation work for equipment and pipe
Sugar mill	ESC, Sa Kaeo	Wellman	Hot insulation work for pipe
Beverage Tawandang	Chainat	Deline Engineering	Hot & cold insulation work for pipe
Hoya Lens	Ayutthaya	Amano Thai International	Ducting work
MEP Hexa	Chachoengsao	Amano Thai International	Ducting work



<b>Project Title</b>	Location	Client	Description
Vegetable oil	Samut Prakan	Thai Edible Oil	Hot & Cold insulation work for equipment and pipe
Tawandang 1999 TOMSA	Chainat	Tawandang 1999	Insulation work for equipment and pipe
United Winery Meridian Phase 2	Nakhon Pathom	Dhanasindhi	Insulation work for equipment and Pipe
Sangsom	Nakhon Pathom	Dhanasindhi	Insulation work for equipment and pipe
Recycled for plastic Ecoblue	Rayong	Synimage Mechanical	Insulation work for equipment and pipe
Resin	Rayong	Kansai Resin	Remove and reinstallation insulation work
Sugar mill	Kamphaeng Phet	Silathong Organic	Insulation work for pipe
Petroleum oil	Bangkok	Bangchak	Insulation work for tank T-901G
Thin Sugar Sukhothai Clarified Zone1 Refinery House Zone2	Sukhothai	Dhanasindhi	Insulation work for tank and pipe
Siam Alliance Group Glow SPP3	Bangkok	Siam Alliance Group	Insulation work for pipe and tank
Siam Furukawa	Saraburi	Amano Thai International	Ducting work
Sugar Mill	Sa Kaeo	Eastern sugar and cane	Hot insulation work for pipe
Vanachai panel	Surat Thani	Vanachai Panel Industries	Insulation work for fuel gas duct
Thai ruam jai korat	Nakhon Ratchasima	Thai Ruam Jai Korat	Insulation work for air preheater and duct



Project Title	Location	Client	Description
Power Plant ARVOS	Sattahip Yard	Getabec PLC.	Hot insulation work for pipe
Beverage United Winery	Nakhon Pathom	Dhanasindhi	Hot insulation work for equipment & pipe
Beverage Tawandang	Chainat	Deline Engineering	Hot & cold insulation work for pipe
Petroleum oil	Bangkok	Bangchak	Insulation & Aluminium Jacket for Tank T-995A
Phoenix Pulp & Paper	Khon Kaen	SPP. Intertechnology	Cold insulation work for tank
Recycled for plastic Ecoblue	Rayong	Synimage Mechanical	Hot insulation work for tank
Beverage Thai alcohol	Nakhon Pathom	Dhanasindhi	Hot insulation work for equipment & pipe
Plastic Film	Rayong	Polyplex	Hot & cold insulation work for equipment & pipe
Beverage Tomsa 2	Chainat	Tawandang 1999	Hot & Cold insulation work for equipment & pipe
Praj 2	Chainat	Din suay Num Sai	Hot insulation work for equipment & pipe
Thanakorn Vegetable Oil	Samut Sakhon	Synimage Mechanical	Hot insulation work for equipment & pipe
Double A	Prachinburi	P.M. Silalert	Hot insulation work for tank
Thanakorn Vegetable Oil	Samut Sakhon	Synimage Mechanical	Hot insulation work for equipment & pipe
Thai Oil PCL., Clean Fuel Project	Chonburi	STECON	Hot insulation work for pipe and equipment
Sutech Engineering	Ratchaburi	Sutech Engineering	Supply materials



<b>Project Title</b>	Location	Client	Description
Power Plant GSRC	Chonburi	STECON	Hot insulation work for pipe and equipment
Power Plant GPD	Rayong	STECON	Hot insulation work for pipe and equipment
Power Plant Vanachai Energy	Surat Thani	Getabec PLC.	Hot insulation work for pipe and equipment
Petroleum oil Bangchak	Chachoengsao	TRC Construction	Hot insulation work for pipe and equipment
Beverage Fuengfuanant	Prachinburi	Dhanasindhi	Hot insulation work for pipe and equipment
Power Plant Nong Khae	Saraburi	Term Engineering	Hot insulation work for pipe
Power Plant ARVOS	Yard Satthahip	Getabec PLC.	Hot insulation work for Boiler
Power Plant TPCH 5	Narathiwat	Ensys	Hot insulation work for pipe
Beverage TBE	Kanchanaburi	Thai Beverage	Hot insulation work for pipe
Beverage Red Bull	Samut Sakhon	Dhanasindhi	Hot insulation work for pipe
Power Plant Thai Food	Banglen Nakornprathom	Getabec PLC.	Hot insulation work for pipe and equipment
Beverage Tawandang	Chainat	Compact	Ducting work
Sugar mill / Kaset Phol	Udon Thani	Guangxi Construction & Engineering	Hot insulation work for pipe and equipment
Power Plant	Chonburi	Chonburi Clean	Ducting work
Power Plant	Lamphun	Synimage Mechanical	Hot insulation work for pipe
Sugar Mill	Sa Kaeo	Eastern sugar and cane	Hot insulation work for pipe



Project Title	Location	Client	Description
TBE	Kanchanaburi	Dhanasindhi	Hot insulation work for pipe and equipment
Thai Vegetable Oil	Nakhon Pathom	Thai Vegetable Oil	Hot insulation work for pipe and equipment
Power Plant Thai Food	Banglen Nakhonprathom	Getabec PLC.	Hot insulation work for pipe and equipment
Thai Vegetable Oil	TVOP Samutprakarn	Synimage Mechanical	Hot insulation work for pipe and equipment
Power Plant GNRV	Nakhon Ratchasima	STECON	Insulation work for steam pipelines
OSB1	Surat Thani	Vanachai Panel Industries	Hot insulation work for pipe and equipment
Crown Seal PLC.	Phatum Thani	Thai Shinryo	Hot insulation work for pipe and equipment
Petrochemical plant	Rayong	Thai Ethoxylate	Hot insulation work for pipe and equipment
Thai chemical	Samut Prakan	Synimage Mechanical	Hot insulation work for pipe and equipment
Resin	Rayong	Kansai Resin	Hot insulation work for pipe and equipment
Hexa color	Chachoengsao	Amano Thai International	Ducting work
Sugar Mill	Sa Kaeo	Eastern sugar and cane	Hot insulation work for pipe and equipment
-	Madagascar	Canthai	Insulation material supply
Sugar mill / Kaset Phol	Udon Thani	Guangxi Construction & Engineering	Hot insulation work for pipe and equipment
Power Plant	Lopburi	Sapthip Energy	Hot insulation work for waste heat boiler pipe
Power Plant	Nakornsri Thammarat Khanom	Mitsubishi Crop.	Insulation rectification for Train 1 & Train 2
Power Plant Ratchaburi IE.	Ratchaburi	Getabec PLC.	Hot insulation work for pipe and equipment



<b>Project Title</b>	Location	Client	Description
Power Plant GBL	Nakhon Pathom	STECON	Hot insulation work for steam pipe
Power Plant GBP	Ayutthaya	STECON	Hot insulation work for steam pipe
Power Plant GNPM	Saraburi	STECON	Hot & cold insulation work for pipe
Power Plant	Nakornsri Thammarat Khanom	STECON	Insulation and scaffolding work for pipe
Boiler OSW1	Surat Thani	Getabec PLC.	Hot insulation work for boiler and pipe
Boiler OSW2	Surat Thani	Getabec PLC.	Hot insulation work for boiler and pipe
Continental	Rayong	Getabec PLC.	Hot insulation work for pipe and equipment
Thai Food	Nakhon Pathom	Getabec PLC.	Hot insulation work for boiler
UACJ DC#7	Rayong	Amano Thai International	Insulation work for dust collection
Thin slop evaporator	Chainat	Din Suay Num Sai	Insulation work for pipe and equipment
Siam Gypsum	Songkhla	Buddy smith	Insulation work for pipe
Thai Vegetable Oil	Samut Sakhon	Synimage Mechanical	Hot insulation work for pipe and equipment
TBE	Kanchanaburi	Dhanasindhi	Hot insulation work for pipe
Beverage Red Bull	Samut Sakhon	Dhanasindhi	Hot insulation work for pipe and equipment
Thai Tobacco	Ayutthaya	Hauni	Hot & Cold insulation work for pipe and equipment
Resin	Rayong	Kansai Resin	Hot & Cold insulation work for pipe and equipment
Power Plant GBL	Nakhon Pathom	STECON	Hot insulation work for steam pipe



Project Title	Location	Client	Description
Power plant GTS 4	Rayong	STECON	Hot insulation work for pipe
Power plant GNC	Prachinburi	STECON	Hot insulation work for pipe
MDF5	Surat Thani	Vanachai Panel Industries	Hot insulation work for pipe and equipment
Power plant GTS 1	Rayong	STECON	Hot insulation work for pipe
Boiler	Surat Thani	Getabec PLC.	Hot insulation work for boiler
Liquor - Tomsa	Chainat	Tawandang 1999	Hot insulation work for pipe and equipment
Power plant GTS 2	Rayong	STECON	Hot insulation work for pipe
Power plant BIC2	Ayutthaya	Thai Shinryo	Hot insulation work for pipe and equipment
Thai Tobacco	Ayutthaya	TRC Construction	Hot insulation work for pipe and equipment
Beverage-Kratingdang	Kamphaeng Phet	Dhanasindhi	Hot & Cold insulation work for pipe and equipment
Power plant GTVP	Rayong	STECON	Hot insulation work for pipe
Power plant GTS 3	Rayong	STECON	Hot insulation work for pipe
Thai Beverage	Kanchanaburi	Dhanasindhi	Cold insulation work for tank
Polymer-DMC	Rayong	Polyplex	Hot insulation work for pipe
UACJ	Rayong	Amano Thai International	Insulation work for dust collection
Panasonic	Ayutthaya	Amano Thai International	Ducting work
Power plant GTS 4	Rayong	STECON	Hot insulation work for pipe



<b>Project Title</b>	Location	Client	Description
Power plant BIC2	Ayutthaya	Thai Shinryo	Hot & cold insulation work for pipe & tank
Sugar Mill	Sa Kaeo	Eastern sugar and cane	Hot insulation work for pipe & tank
Vegetable oil PPP Green	Prachuap Khiri Khan	Synimage Mechanical	Hot & cold insulation work for pipe & tank
Sugar mill	Ratchaburi	Sutech Engineering	Labor for hot insulation work for pipe & equipment
Stack	Rayong	Getabec PLC.	Hot insulation work for Stack 81m.
Petroleum oil	Bangkok	Pilin Project Bangchak	Hot insulation work for low steam pipe
Stack	Chonburi	Hiap Seng Eng.	Hot insulation work for Stack 3 units
Power plant NNEG	Phatum Thani Navanakorn	Getabec international	Hot insulation work for pipe & tank
Beverage	Chainat	Tawandang 1999	Hot insulation work for pipe
	Chonburi	Hiap Seng Eng.	Hot insulation work for Horizontal duct 24 units
Petroleum oil Bangchak	Ayutthaya	TRC Construction	Hot insulation work for pipe & tank
Power plant LTC	Rayong	Getabec PLC.	Hot insulation work for HRSG
Sugar Mill	Sa Kaeo	Eastern sugar and cane	Hot insulation work for pipe & tank
Logthai	Samut Prakan	Amano Thai International	Ducting work
Sugar mill	Mitr Kalasin Kalasin	Wellman	Hot insulation work for PCVP Tank
Sugar mill	ESC Sa Kaeo	ES Energy	Hot insulation work for High pressure steam pipe
Power plant BIC2	Ayutthaya	Thai Shinryo	Hot & cold insulation work for pipe & tank



<b>Project Title</b>	Location	Client	Description
Sugar mill	ESC, Sa Kaeo	Wellman	Hot insulation work for Continuous vacuum pan
Sugar Mill	Sa Kaeo	Eastern sugar and cane	Hot insulation work for pipe & equipment
Sugar mill	Mitr Kalasin Kalasin	Wellman	Hot insulation work for pipe & equipment
Sugar Mill	Sa Kaeo	Eastern sugar and cane	Hot insulation work for pipe & equipment
Power plant	Rayong	Getabec PLC.	Hot insulation work for Auxiliary Boiler
Sugar mill	ESC, Sa Kaeo	Wellman	Hot insulation work for Continuous vacuum pan
Sugar Mill	Sa Kaeo	Eastern sugar and cane	Hot insulation work for pipe & equipment
Sugar mill	Mitr Kalasin Kalasin	Wellman	Hot insulation work for pipe & equipment
Particle board PB2	Surat Thani	Vanachai Panel Industries	Hot insulation work for Main cyclone
Power plant	ESC Sa Kaeo	ES Power	Hot insulation work for pipe & tank
Petroleum oil	Bangkok	Pilin Project Bangchak	Hot insulation work for Pipe Co-Gen
Sugar mill	ESC Sa Kaeo	Wellman	Hot insulation work for Batch vacuum pan
Petrochemical	Aisin Chemical Rayong	Amano Thai International	Ducting work
Rigid plant	Rayong	CPPC PLC.	Ducting work
Liquor	Thai beverage Samut Sakhon	Dhanasindhi	Hot insulation work for pipe
Sugar mill	Suphanburi	Dhanasindhi	Insulation work for Lime juice & condensate pipe
Unimit plant	Chonburi	Durr (Thailand)	Insulation work for CVAR chamber & stack
Auto tyre	Siam Michelin	King of Valve	Ducting work
Plastic film	Rayong	Polyplex	Hot & cold insulation work for pipe & tank



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<b>Project Title</b>	Location	Client	Description
MDF3	Surat Thani	Vanachai Panel Industries	Hot insulation work for pipe & equipment
Sugar mill	Sa Kaeo	Eastern sugar	Hot insulation work for pipe & equipment
Bangchak Biodiesel	Ayutthaya	TRC Construction	Hot insulation work for pipe OSBL
HAWK boiler	Kalasin	Getabec international	Hot insulation work for pipe & equipment
UACJ	Rayong	Amano Thai International	Refractory work for duct
Bangsaphan	Prachuap Khiri Khan	Shinkyo Plantech	Refractory work for heating cooling cover
Chemical plant	Rayong	Vanachai Chemical Industries	Ducting & Insulation work for duct & steam condensate
Fuji Oil	Chonburi	Synimage Mechanical	Hot insulation work for pipe & tank
Sugar mill	Lopburi	Wellman	Insulation work for Continuous Vacuum Pan
YRT	Rayong	Getabec PLC.	Refractory & insulation work for HRSG Evaporator
BASF	Chonburi	Synimage Mechanical	Hot & Cold insulation work for pipe & equipment
TRR Silo	Petchaboon	Wellman	Hot insulation work for tank
Sankyo Tateyama	Prachinburi	Amano Thai International	Refractory & insulation work for dust collector, fan & duct
МРК	Chaiyaphum	Wellman	Hot insulation work for pipe, clarifier & flash tank
Power plant	Samut Prakan Latkrabang	Getabec international	Insulation work for pipe & equipment
Power plant	Samut Prakan Bangpoo	Getabec international	Insulation work for pipe & equipment
KTIS Silo	Nakhon Sawan	Wellman	Hot insulation work for tank
Power plant	Nakornsri Thammarat Khanom	STECON	Hot insulation work for pipe & equipment
Morakot	Samut Prakan	Synimage Mechanical	Hot insulation work for Storage tank
Saraburi plant	Saraburi	Vanachai Group	Hot insulation work for pipe



<b>Project Title</b>	Location	Client	Description
Sugar mill	Sa Kaeo	Eastern sugar	Insulation work for pipe & equipment
Vegetable oil	Nakhon Ratchasima	Thai Edible Oil	Insulation work for tank & equipment
Vegetable oil	Nakhon Ratchasima	Thai Edible Oil	Insulation work for pipe & equipment
Chemical plant	BASF Rayong	Synimage Mechanical	Cold insulation work for pipe
Vegetable oil	Nakhon Ratchasima	Thai Edible Oil	Insulation work for cold equipment
Sugar mill	Khonkaen sugar, Khonkaen	Wellman	Insulation work for pipe & equipment
Vegetable oil	Nakhon Ratchasima	Thai Edible Oil	Insulation work for tank
Tyrecord textile	Nakhon Pathom	Asia industrial textile	Insulation work for duct
Chemical plant	BASF Rayong	Synimage Mechanical	Cold insulation work for tank



<b>Project Title</b>	Location	Client	Description
Chemical plant	Rayong	Meisei International Zeon chemicals	Thermal insulation work for pipe & equipment
Sugar mill	Sa Kaeo	Eastern sugar	Insulation work for pipe & equipment
Rubber glove	Songkhla	Premier system engineering	Hot insulation & ducting work
Municipal garbage boiler	Hatyai	Getabec international	Hot insulation for boiler, tank & economizer pipe
Sugar mill	Khonkaen Mitr Phuviang	United farmer & Industry	Insulation for chill water pipe & ducting work
Cold storage	Ayutthaya	Thai Shinryo Thai Yokorei	Sound insulation work for wall & ceiling
Sugar mill	ESC, Sa Kaeo	Wellman	Insulation work for tank
Plastic film	Rayong	Polyplex	Insulation work for pipe & equipment
Petroleum oil Bangchak	Bangkok	The Companion	Insulation work for pipe
Chemical plant	Rayong	Vanachai Chemical Industries	Ducting & Insulation work
Vegetable oil	Nakhon Ratchasima	Thai Edible Oil	Insulation work for pipe & equipment
Sugar mill	Khonkaen sugar, Khonkaen	Wellman	Insulation work for pipe & equipment



<b>Project Title</b>	Location	Client	Description
Petroleum oil	Bangkok	Thai Beltech Bangchak	Insulation for Tank T-971
Power plant	Ayutthaya	Thai Shinryo	Hot insulation for pipe & Equipment
Beverage	Bangyeekhan	Tanasin	Utilities for vinasse evaporation plant
			Equipment & Pipe for inside evaporation
Particle board	Saraburi	Vanachai Group	Insulation work for pipe & equipment
Sugar mill	Khonkaen	United farmer & Industry	Insulation for refined sugar confitioning silo
Furnace shell	Chonburi	Unimit Engineering	Insulation work & cladding Alumina cloth
Sugar mill	Loei	Wellman	Hot insulation for boiler
Sugar mill	Sa Kaeo	Eastern sugar	Insulation work for pipe & equipment
Rubber glove	Songkhla	Premier system engineering	Insulation wall L.1-2
Chemical	Chachoengsao	Maida One	Calcium silicate insulation for tank



<b>Project Title</b>	Location	Client	Description
Pipe Rack	Chonburi	Meisei International Chuk Samet Pier	Cryogenic insulation for LNG pipe
Fabrication		Bam-Clough	
Module		CIIA	
Rubber glove	Songkhla	Premier system engineering	Hot insulation work
Petroleum oil	Bangkok	Thai Beltech Bangchak	Hot insulation work
Furnace shell	Chonburi	Unimit Engineering	Hot insulation work
Solar Power	Thai solar, Kanchanaburi	Getabec PLC.	Hot insulation work
Sugar mill	Sa Kaeo	Eastern sugar	Hot insulation work

<b>Project Title</b>	Location	Client	Description
Petroleum Oil	Bangkok	The Bangchak Petroleum	Insulation work for tank T-969
Powder	Nakhon Ratchasima	Pilin Project Sahacogen	Insulation work for pipe
Rubber glove	Rayong	Cardinal Health	Removed & reinstallation for insulation work
Power Plant	Rayong	Meisei International CCC/HRSG	LC insulation work for pipe & equipment
Motor part	Atsumitech Rayong	Amano	Ducting work



<b>Project Title</b>	Location	Client	Description
Can	Sriracha	Alucon	Ducting work
	Srixon Kabinburi	Amano	Ducting work
Vegetable oil	Samut Prakan	Buddy smith Morakot	Insulation & ducting work
Petroleum oil	Rayong	Rayong Purifier	Insulation work for pipe
Winery	Samut Sakhon	Tanasin United winery	Cold insulation work
Petrochemical	Rayong	C.E. Industries TPC	Insulation work for tank and duct of dryer
Motor part	Samut Prakan	Asah Toyota	Ducting work for TMAP-EM Test building #3



Project Title	Location	Client	Description
Petroleum oil	Bangkok	Pilin Project Bangchak	Insulation work for pipe
Sugar mill	Sa Kaeo	Eastern sugar	Insulation work for equipment and pipe
Liquor	Nakhon Pathom	Thai Alcohol	Insulation work for equipment and pipe
Particle board	Surat Thani	Vanachai Panel Industries	Insulation & Ducting work
Vegetable oil	Samut Sakhon	Thai Vegetable Oil	Insulation work for equipment and pipe
Oil rig module	Chonburi	Aibel Modec	Insulation work for vessel
Rubber glove	Songkhla	Premier system engineering	Insulation & ducting work
Power plant	South Pranakorn	STECON	Insulation work for pipe
Soybean oil	Samut Prakan	Morakot	Insulation work for equipment and pipe
Oil rig module	Chonburi	Aibel Prosafe	Insulation work for prosafe project
Paper	Prachinburi	Double A	Insulation work for equipment and pipe
Sugar mill	Sa Kaeo	Eastern sugar and cane	Insulation work for equipment and pipe
Power plant, RPCL	Ratchaburi	STECON	Supply manpower for insulation work
Ethanol	ESC Sa Kaeo	ES Power	Insulation work for 150klpd plant
Particle board	Surat Thani	Vanachai Panel Industries	Insulation work for equipment and pipe
Rubber glove	Songkhla	Premier system engineering	Insulation & ducting work



<b>Project Title</b>	Location	Client	Description
Rubber glove	Songkhla	Premier System Engineering	Ducting work
Spong plant	Rayong	C.E. Industries CP Group	Insulation work for pipe
Power plant	Ratchaburi	Ratchaburi Electricity Generating	Insulation work for Bypass Duct FGD#1
Acrylic fiber	Saraburi	Thai Acrylic Fibre	Insulation work for hot & cold pipe
Oil rig module	Chonburi	Aibel Aker	Insulation work for Aker project
Oil rig module	Chonburi	Aibel Vincent	Insulation work for Vincent project
Power plant, RPCL	Ratchaburi	STECON	Supply manpower for insulation work

Project Title	Location	Client	Description
Rubber glove	Songkhla	Premier system engineering	Ducting work
Tyre	Chonburi	CAP Engg. Yokohama	Insulation work for hot pipe
Oil rig module	Rayong	Vetco Aibel	Insulation work for equipment and pipe
Particle board	Surat Thani	Vanachai Panel Industries	Insulation work for equipment and pipe
Liquor plant	Nakhon Pathom	Tanasin Sangsom	Insulation work for hot & cold pipe
Chemical plant	Chonburi	Unimit Engineering Jimar power	Acoustic panel
Sugar mill	Sa Kaeo	Eastern sugar and cane	Insulation work for equipment and pipe



<b>Project Title</b>	Location	Client	Description
Power plant	Sahacogen Chonburi	Synimage Mechanical	Insulation work for hot pipe
Chemical plant	Chonburi	Unimit Engineering AACP	Insulation work for hot equipment
Rubber glove	Songkhla	Premier system engineering	Ducting work
Chemical plant	Rayong	C.E. Industries	Insulation work for hot & cold pipe
Chemical plant	Chonburi	Unimit Engineering Sankyu	Insulation work for boiler
Metal plant	Chonburi	Nakornthai Strip mill	Insulation work for equipment
Gypsum	Chonburi	Thai Gypsum	Insulation work for hot air duct

<b>Project Title</b>	Location	Client	Description
Acrylic fiber	Saraburi	Thai Acrylic Fibre	Hot & cold insulation for pipe and tank
Food products	Chachoengsao	Thai Max	Remove old insulation and install new



<b>Project Title</b>	Location	Client	Description
Food products	Samut Sakhon	Nadee Cannery	Installation air duct with aeroflex
Plastic film	Rayong	Polyplex	Hot insulation work
Food products	Lopburi	Saha Inter Foods	Insulation for IQF freezer
Chemical plant	Rayong	Vanachai Chemical Industries	Hot & cold insulation work for pipe and tank
Power plant	Surat Thani	Vanachai Panel Industries	Insulation work

<b>Project Title</b>	Location	Client	Description
Food products	Bangkok	Bangkok Farm	Cold insulation work for pipe
Food products	Bangkok	Nestle	Insulation work for pipe
Rice mill	Phatum Thani	PRG Granary	Hot insulation for pipe
Steam pipe line	Rayong	STECON	Hot insulation for pipe



<b>Project Title</b>	Location	Client	Description
Oil Storage Terminal	Samut Sakhon	PSP Specialties	Insulation work
Chemical plant	Samut Prakan	Rayong Intania	Insulation work for pipe & tank
Power plant	Chonburi	Sahacogen	Insulation work

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<b>Project Title</b>	Location	Client	Description
Oil storage plant	Samut Sakhon	PSP Specialties	Insulation work for pipe
Particle board	Chonburi	Particle planner	Insulation work for cyclone, stack, chamber, dryer, suction duct
Gypsum board plant	Saraburi	The Siam Gypsum Industries	Insulation work for dryer

<b>Project Title</b>	Location	Client	Description
Rubber glove	Songkhla	Premier system engineering	Air tube suction & discharge
Petrochemical plant	Rayong	Thai Caprolactam	Insulation work for equipment and pipe
Petrochemical plant	Rayong	Thai Petrochemical Industry	Insulation works for pipe



<b>Project Title</b>	Location	Client	Description
Particle board	Surat Thani	Vanachai Panel Industries	Insulation work for chip dryer
Petrochemical plant	Rayong	Thai Olefins	Labour for cold insulation work of TOC pipe
Rubber glove	Songkhla	Premier system engineering	Isolation wall for oven
Paper mill	Prachinburi	Thai Cane Paper	Hot insulation for steam pipe and quipment
Steam pipe line	Rayong	Meisei International COCO Phase3	Labour for hot insulation work for pipe

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<b>Project Title</b>	Location	Client	Description
Petrochemical plant	Rayong	Design 90 Rayong olefins	Hot insulation for steam pipe
Automotive	Rayong	Sekurit Saint Gobain TOA	Insulation work for hot air circuit and acoustic insulation

<b>Project Title</b>	Location	Client	Description
Chemical plant	Rayong	Vanachai Chemical Industries	Hot & Cold insulation for pipe, tank, vessel and boiler
Gypsum plant	Saraburi	Siam Gypsum	Hot insulation for hot air duct
Polyester plant	Phatum Thani	Thai Malon Polyester	Hot and cold insulation for pipe and equipment
Steel cord plant	Rayong	KSS Engg. Siam steel cord	Hot and cold insulation for pipe and equipment



<b>Project Title</b>	Location	Client	Description
Petrochemical plant	Chonburi	Thai NDT	Scaffolding works for sphere tank
Chemical plant	Rayong	Thai Petrochemical Industry	Steel structure and ducting for power plant, insulation work for pipe

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<b>Project Title</b>	Location	Client	Description
Latex plant	Samut Sakhon	BK Latex	Insulation work for Thermal oil boiler 3,000,000 Kcal.
Olefins plant	Rayong	Thai Olefins / Daelim Ind. / Insultec	<ul> <li>Scaffolding works</li> <li>Thermal insulation with mineral wool</li> <li>Cold insulation with foamglass for vessel, towers, sphere tank, pipe and fitting</li> </ul>
Chemical plant	Rayong	Thai Petrochemical Industry	Steel structure and ducting work



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