

THEREC ENGINEERING & CONSULTING CO., LTD

(Petrochemical / Plastic / Packaging / Pipe / Filler / Rubber & Etc.)



Bulk Material Handling Project Reference List

Plastic & Packaging



4. Thai Offset Co., Ltd. (Thai Company)

Samuthprakarn, Well Grow industrial Estate

System description : Positive & Negative Pneumatic conveying system,
From Bulk bag to 6 silos

Equipment description: Cyclone, Inline filter, Control Panel, Rotary valve and Blowers
6 units Stainless steel Storage silo

Main blower : Roots, 15.0 hp, 2 units, (1 unit for stand by)

Control : Analog

Handling Material : Low density PE pellet

Capacity : 5,000 kg/hr

Total Distance : 40 m

Year : 2000

Value : 1,800,000.00 Baht.

THEREC CORPORATION LTD. / THEREC ENGINEERING & CONSULTING CO.,LTD.

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13.Thai Standard Pipe Co., Ltd. (Thai Company)

Samuthsakorn

System description : Negative Pneumatic conveying system (Jet loader)
From Storage small bag to top of Injection machine

Equipment description: Cyclone, Jet pulse bag filter ,Rotary valve, ,Blower
Control panel

Main blower : Ring 5.5.0 hp

Control : Fully automatic system ,Programmable Control Relay, SIEMENS
LOGO

Handling Material : PVC powder

Capacity : 2,000 kg/hr

Total Distance : 6 m

Year : 2003

Value : 200,000.00 Baht.

17.CA Petrochemical Co., Ltd.

(A Chareonpokapun , CP,group of company , Thai Comapny)

Rayong

System description : Negative Pneumatic conveying system
Modification job for the system of " LINE-MELT" Germany

Equipment description: Control Panel, Butterfly valve (with automatic operation set for
unloading and safety function)

Car bon steel heavy duty Inline filter ,2 units

Main blower : Roots 25.0 hp , 2unit

Control : Analog control

Handling Material : PVC powder ,2 lines

Capacity : 1200 kg/hr

Total Distance : 45 m

Year : 2004

Value : 920,000.00 Baht

20.Seisui S-lec Co., Ltd. (Japanese Company)

Cholburi , (Eastern Seaboard Industrial Estate)

System description : Negative Pneumatic conveying system
From Crusher to Extruder

Equipment description: Cyclone, Rotary valve, Diverter valve, Mixer and Blower

Main blower : Ring 3.0.0 hp , 2 units

Control : Analog, by customer

Handling Material : Plastic film piece and powder

Capacity : 150 kg/hr

Total Distance : 70 m

Year : 2005

Value : 800,000.00 Baht.

23.Thai Film (Public) Co., Ltd. (Thai Company)

Rayong

System description : Positive Pneumatic conveying system

Equipment description: 7 units of Diverter valve size 6.0"

1 units of Diverter valve size 8.0"

8 units of Rotary valve size 12.0"

2 units of Rotary valve size 14.0

8 units of Gate valve size 12.0"

1 units of Gate valve size 14.0"

2 units of Roots blower, 150.0 hp.

1 units of Roots blower, 200.0 hp.

Control : -

Handling Material : LDPE pellet

Capacity : 24,000 kg/hr

Total Distance : 120 m

Year : 2005

Value : 7,850,000.00 Baht.

24. Bangkok PVC Co., Ltd. (Thai Company)

Nakornprathom

System description : Positive Pneumatic conveying system

From Storage Silo to Storage hopper

Equipment description: Blower, Control panel

Main blower : Roots 50.0 hp ,2 units

Control : Fully automatic system ,Programmable Control Relay, SIEMENS
LOGO

Handling Material : PVC powder and Calcium carbonate powder

Capacity : 6,000 and 8,000 kg/hr

Total Distance : 80 m

Year : 2005

Value : 1,550,000.00 Baht.

28. Chinchana Industry., Ltd. (Thai Company)

Lopburi

System description : Positive Pneumatic conveying system

From 3 Crushers to 4 Storage Silos

Equipment description: 3 units of carbon steel Bag filter (1600 m³/hr)

3 units of hard chromed carbon steel Rotary valve, size 8.0"

Control panel

Main blower : Roots 15.0 & 20.0 hp , 3 units

Control : Fully automatic system ,Programmable Control Relay, SIEMENS
LOGO

Handling Material : Calcium carbonate and Barite

Capacity : 3,500 and 5,000 kg/hr

Total Distance : 100 m /lines

Year : 2006

Value : 3,550,000.00 Baht.



31.CE industry Services Co., Ltd.

(A Chareonpokapan ,CP,group of companyThai Company)

Rayaong

System description : Negative Pneumatic conveying system
From dumping hopper to extruder
Modification job for the system of “ LINE-MELT” Germany

Equipment description: Control Panel, Butterfly valve,
Heavy-duty Bag filter 500 m3/hr, Inline filter,
Rotary valve size 8.0” ,all in ss304

Main blower : Roots 30.0 hp , 1unit
Ring 7.5 hp, 1 unit

Control : Fully automatic system ,Programmable Control Relay, SIEMENS
LOGO

Handling Material : PVC powder
Capacity : 1500 kg/hr
Total Distance : 40 m
Year : 2006
Value : 770,000.00 Baht

32.CA Petrochemical Co., Ltd.

(A Chareonpokapan ,CP,group of companyThai Company)

Rayaong

System description : Negative Pneumatic conveying system
Modification job for the system of “ LINE-MELT” Germany

Equipment description: Control Panel, Butterfly valve (with automatic operation set for
unloading and safety function)
Car bon steel heavy duty Inline filter,

Main blower : Roots 25.0 hp , 1unit

Control : Analog control

Handling Material : PVC powder
Capacity : 1200 kg/hr
Total Distance : 45 m
Year : 2006
Value : 520,000.00 Baht

34.CA Petrochemical Co., Ltd.

(A Chareonpokapan ,CP,group of company, Thai company)

Rayaong

System description : Negative Pneumatic conveying system
Modification job for the system of “ LINE-MELT” Germany

Equipment description: Control Panel, Butterfly valve (with automatic operation set for
unloading and safety function)
Car bon steel heavy duty Inline filter,

Main blower : Roots 25.0 hp , 1unit

Control : Analog control

Handling Material : PVC powder
Capacity : 1200 kg/hr
Total Distance : 45 m

Year : 2006
Value : 520,000.00 Baht

36. United Silica (Siam) Co., Ltd. (UK joint venture Company)

Rayong

System description : Positive Pneumatic conveying system
From loading station to Storage Silo

Equipment description: 1 Venture educator
2 units of Hard-chrome carbon steel Rotary valve, size 8.0",12.0"
1 units of Roots blower
-Piping work,

Main blower : Roots 10.0 hp , 1 units
Control : -
Handling Material : Silicon dioxide powder ,5 micron
Capacity : 1,900 kg/hr
Total Distance : 24 m
Year : 2007
Value : 800,000.00 Baht

41. Seisui S-lec Co., Ltd. (Japanese Company)

Cholburi , (Eastern Seaboard Industrial Estate)

System description : Negative Pneumatic conveying system
From Crusher to Extruder

Equipment description: Cyclone, Rotary valve, Diverter valve, Mixer and Blower

Main blower : Ring 3.0.0 hp , 2 units
Control : Analog, by customer
Handling Material : Plastic film piece and powder
Capacity : 150 kg/hr
Total Distance : 50 m
Year : 2007/2008
Value : 860,000.00 Baht.

42. Thai Poly Ethylene (Public) Co., Ltd.

(The Siam Cement Group of company, Thai Company)

Rayong (marb-ta-pud Industrial Estate)

System description : Positive Pneumatic conveying system (Sea bulk loading system)
From Silo to 40 feet container

Equipment description: 1 Transfer cart
1 units of SUS304, Rotary valve, size 10.0"(existing unit)
1 units of centrifugal blower ,SUS304

Handling Material : HDPE Pellet
Main blower : Centrifugal blower , 50.0 hp, 1 unit
Control : Fully automatic system, Programmable Control Relay,



“SIEMENS LOGO”
 Capacity : 40,000 kg/hr (40 tons/hr)
 Total Distance : 15 m
 Year : 2008
 Value : 810,000.00 Baht.

43. United Farmer & Industry Co., Ltd. (Mitr Phol Group of company, Thai company) **Khonkean (Nhongreior)**

System description : Negative Pneumatic conveying system
 From bulk bag dumping hopper to filling machine
 Equipment description: 1 unit of Dumping hopper 500 litre, SUS304
 2 units of SUS304, Rotary valve, size 8.0”,
 1 units of Roots blower
 1 units of centrifugal blower
 1 unit of Bag filter, 800 m³/hr SUS304
 1 unit of Cyclone, 1,000 m³/hr, dia. 500 mm, SUS304
 Main blower : Roots blower 15.0 hp, 1 units
 Centrifugal blower, 2.0 hp, 1 unit
 Control : Fully automatic system, Programmable Control Relay,
 “SIEMENS LOGO”
 Handling Material : Sugar (sucrose)
 Capacity : 4,000 kg/hr
 Total Distance : 22 m
 Year : 2008
 Value : 930,000.00 Baht.

45. Sekisui Foam Co., Ltd. (Japanese company)

Cholburi (Bangprakong)

System description : Negative Pneumatic conveying system
 From Extruder to storage silo
 Equipment description: 1 unit of Dumping hopper 100 litre, SUS304
 1 units of SUS304, Diverter valve, size 4.0”,
 2 units of Ring blower
 2 unit of Cyclone, 400 m³/hr, SUS304
 2 units Storage tank 6,000 litre, SUS304
 Main blower : Ring blower 4.0 hp , 2 units
 Control : Fully automatic system, Programmable Control Relay,
 SIEMENS LOGO
 Handling Material : PE and EVA powder
 Capacity : 350 kg/hr
 Total Distance : 65 m
 Year : 2008
 Value : 2,956,000 Baht.

48. Precision Plastic Co., Ltd (Thai company)

Nakornsawan ,

System description : Positive Pneumatic conveying system
 Equipment description: 1 units of Bulk Bag Unloader, SUS 304

3 units , Storage tank 6.0 m³ ,SUS 304
 1 units of rotary valve 6.0", SUS 304
 3 units of slide gate valve 6.0", SUS 304
 2 units of Co-mil (conical type light duty lump breaker) ,SUS 304
 Main blower : Roots blower 20.0 hp, 1 units
 Control : Fully automatic system, Programmable Control Relay,
 SIEMENS LOGO
 Handling Material : PE and PP Pellet
 Capacity : 4,000 kg/hr, 1 lines
 Total Distance : 16 metres
 Year : 2009
 Value : 1,850,000.00 Baht.

51.Thai Polyester Co.,Ltd (Thai company)

Rayong , (Praugdeang)

System description : Positive Pneumatic conveying system

Equipment description: 1 unit of Slide gate valve, in SUS304
 1 units of Rotary valve 10.0,in SUS304
 1 unit of Cyclone, in SUS304

Main blower : Roots blower 15 hp,1 units
 Control : Fully automatic system, Programmable PLC,
 SIEMENS S7 200
 Handling Material : PET Recycling Scrap pieces
 Capacity : 3,000 kg/hr ,1 lines
 Total Distance : 30 metres
 Year : 2010
 Value : 1,300,000.00 Baht.

52.Thai Polyethylene (Public) Co.,Ltd (Thai company)

Rayong , (Marb Tapud Industrial Estate)

System description : Positive Pneumatic conveying system , From storage tank through
 40' container (control volume by flow meter at accuracy of0.1%)

Equipment description: 1 unit of Diverter 8.0", in SUS304
 2 units of Rotary valve 14.0,in SUS304
 3 units of Solid bulk material flow meter 1 unit, in SUS304

Main blower : Roots blower 75 hp,1 units
 Control : Fully automatic system, Programmable PLC,
 SIEMENS S7 300
 Handling Material : HDPE Pellet
 Capacity : 45,000 kg/hr ,1 lines
 Total Distance : 15 metres
 Year : 2010
 Value : 7,800,000.00 Baht.

53.Precision Plastic Co.,Ltd

(expansion project of the system in the year 2009.) (Thai company)

Nakornsawan ,

System description : Positive Pneumatic conveying system

Equipment description: 1 units , Storage tank 4.0 m³ ,SUS 304



Main blower : Roots blower 20.0 hp, 1 units
Control : Fully automatic system, Programmable Control Relay,
SIEMENS LOGO
Handling Material : PE and PP Pellet
Capacity : 4,000 kg/hr, 1 lines
Total Distance : 18 metres
Year : 2010
Value : 450,000.00 Baht.

57.Precision Plastic Co.,Ltd (Thai company)

Nakornsawan ,

System description : Positive Pneumatic conveying system

Equipment description: 1 units of Bulk Bag Unloader, SUS 304
3 units , Storage tank 6.0 m³ ,SUS 304
1 units , Storage tank 4.0 m³ ,SUS 304
1 units of rotary valve 8.0", SUS 304
4 units of slide gate valve 8.0", SUS 304

Main blower : Roots blower 25.0 hp, 1 units
Control : Fully automatic system, Programmable Control Relay,
SIEMENS LOGO
Handling Material : PE and PP Pellet
Capacity : 6,000 kg/hr, 1 lines
Total Distance : 29 metres
Year : 2011
Value : 2,850,000.00 Baht.

58.Thai Petrochemical Industry (Public) Co.,Ltd

(TPC, ไทยพลาสติกและเคมีภัณฑ์) (Thai company)

Rayong , (Marb Tapud Industrial Estate)

System description : Dust collectig system

Equipment description: 1 unit of Bag filter, in CS
1 units of Rotary valve 10.0,in CS

Main blower : Centrifugal blower 20 hp,1 units
Control : Fully automatic system, Programmable PLC,
SIEMENS S7 200
Handling Material : HDPE dust
Capacity : 1,000 kg/hr ,1 lines
Total Distance : 25 metres
Year : 2011
Value : 1,910,000.00 Baht.

59.PTT Chemical (Public) Co.,Ltd (ปตท.เคมีภัณฑ์)

(Thai company, Thai government section)

Rayong , (Marb Tapud Industrial Estate)

System description : Sea bulk Loading , 40 feet container loading system

Equipment description: 1 unit of Slide gate valve, in SUS304



2 units of Rotary valve 14.0,in SUS304
 Main blower : Centrifugal blower 45 hp,1 units
 Control : Fully automatic system, Programmable PLC,
 SIEMENS S7 200
 Handling Material : HDPE Pellet
 Capacity : 25,000 kg/hr ,1 lines
 Total Distance : 15 metres
 Year : 2011
 Value : 16,300,000.00 Baht.

62.Carbokarn (Thailand) Co.,Ltd (Thai company)

Cholburi , (Panusnikom)

System description : Negative and Positive Pneumatic conveying system

Equipment description: 1 unit of bag filter

1 units of Diverter valve

1 units of Rotary valve 6.0", Steel

Main blower : Roots blower 15 hp, 1 units
 Control : Fully automatic system, Programmable Control Relay,
 SIEMENS LOGO
 Handling Material : Saturated carbon for filtration and odor absorption
 Capacity : 1,500 kg/hr
 Total Distance : 80 metres
 Year : 2011
 Value : 1,860,000.00 Baht.

64.Birly Pospack Co.,Ltd (Thai company)

Saraburi

System description : Positive Pneumatic conveying system

Equipment description: 1 units of Rotary valve 10", Steel

Main blower : Roots blower 22 hp, 1 units

Control : Fully automatic system, Programmable Control Relay,
 SIEMENS LOGO

Handling Material : HDPE
 Capacity : 5,000 kg/hr
 Total Distance : 30 metres
 Year : 2011
 Value : 1,300,000.00 Baht

68.Sekisui Foam Co., Ltd. (Japanese company)

Cholburi (Bangprakong)

System description : Negative Pneumatic conveying system

From Extruder to storage silo

Equipment description: 1 units of Ring blower

1 unit of Receiver

Main blower : Ring blower 7.5 hp , 1 units
 Control : Fully automatic system, Programmable Control Relay,
 SIEMENS LOGO
 Handling Material : PE and EVA powder



Capacity : 350 kg/hr
 Total Distance : 60 m
 Year : 2011
 Value : 520,000 Baht.

72.PTT PL Co.,Ltd (Thai company, Thai government)

Rayong

System description : Positive Pneumatic conveying system

Equipment description : 1 unit of Hopper
 1 units of Diverter valve
 1 units of Ventury Eductor
 1 unit of Small bag packing
 1 unit of Big bag filling

Main blower : Multi stage blower 30 hp, 1 units

Control : Fully automatic system, Programmable Control Relay,
 SIEMENS LOGO

Handling Material : LDPE

Capacity : 3,000 kg/hr

Total Distance : 20 metres

Year : 2012

Value : 3,200,000.00 Baht.

73. PTT PL Co.,Ltd (Thai company, Thai government)

Rayong

System description : Sea bulk loding

Equipment description : 1 unit of Sea bulk loading station
 1 units of Loading hopper
 1 units of Rotary valve 14.0", SUS

Control : Fully automatic system, Programmable Control Relay,
 SIEMENS LOGO

Handling Material : LDPE

Capacity : 18,000 kg/hr

Total Distance : 30 metres

Year : 2012

Value : 3,276,000.00 Baht.

75.Thai Poly Ethylene (Public) Co.,Ltd. (SCG Group) (Thai company)

Rayong

System description : Sea bulk loading system

Equipment description : 1 unit of Sea bulk loading station
 1 units of Rotary valve 12.0", SUS

Main blower : Centrifugal blower 25 hp, 1 unit(SUS)

Control : Fully automatic system, Programmable Control Relay,
 SIEMENS LOGO

Handling Material : HDPE



Capacity : 35,000 kg/hr
 Total Distance : 20 metres
 Year : 2012
 Value : 1,697,000.00 Baht.

81. PTT PL Co.,Ltd (Thai company, Thai Government)

Rayong

System description : Silo Dryer
 Equipment description : 1 unit of Diverter valve
 Control : Fully automatic system, Programmable Control Relay,
 SIEMENS LOGO
 Handling Material :
 Capacity :
 Total Distance :
 Year : 2012
 Value : 1,400,000.00 Baht.

82.Motan (Thailand) Co.,Ltd (German Joint venture)

Cholburi , (Panusnikom)

System description : Loading hopper system
 Equipment description : 5 unit of loading hopper
 Control : Fully automatic system, Programmable Control Relay,
 SIEMENS LOGO
 Handling Material : HDPE
 Capacity :
 Total Distance :
 Year : 2013
 Value : 1,865,000.00 Baht.

83.Chinchana Co.,Ltd (Thai company)

Lopburi

System description : Positive Pneumatic conveying system
 Equipment description : 3 unit of bag filter
 2 units of Rotary valve 8.0", Steel
 Main blower : Roots blower 30 hp, 2 units
 Control : Fully automatic system, Programmable Control Relay,
 SIEMENS S7/200
 Handling Material : Calcium carbonate and Barite
 Capacity : 5,000 kg/hr
 Total Distance : 80 metres
 Year : 2013
 Value : 4,320,000.00 Baht.



86. PTT PL Co.,Ltd (Thai company)

Rayong

System description	: Negative Pneumatic conveying system
Equipment description:	4 unit of bag filter 8 units Pullet unloading station
Main blower	: Ring blower 10 hp, 8 units
Control	: Fully automatic system, Programmable Control Relay,
SIEMENS S7/300	;Touch sreen
Handling Material	: LDPE
Capacity	: 1,500 kg/hr
Total Distance	: 30 m
Year	: 2013
Value	: 8,994,000.00 Baht.

88.Carbokarn (Thailand) Co.,Ltd (Thai company)

Cholburi , (Panusnikom)

System description	: Negative and Positive Pneumatic conveying system
Equipment description:	1 unit of bag filter 1 units of Diverter valve 1 units of Rotary valve 6.0", Steel 1 units of Rotary valve 8.0" Steel
Main blower	: Roots blower 10 hp, 1 units
Control	: Fully automatic system, Programmable Control Relay, SIEMENS LOGO
Handling Material	: Saturated carbon for filtration and odor absorption
Capacity	: 1,000 kg/hr
Total Distance	: 80 metres
Year	: 2013
Value	: 950,000.00 Baht.

89.Shizuka Co.,Ltd (Japanese Joint Venture company)

Rachburi

System description	: Negative and Positive Pneumatic conveying system
Equipment description:	1 unit of bag filter 1 units of Diverter valve 1 units of Rotary valve 6.0", Steel 1 units of Rotary valve 8.0" Steel
Main blower	: Roots blower 10 hp, 1 units
Control	: Fully automatic system, Programmable Control Relay, SIEMENS LOGO
Handling Material	: Saturated carbon for filtration and odor absorption
Capacity	: 1,000 kg/hr
Total Distance	: 80 metres
Year	: 2013
Value	: 950,000.00 Baht.



92.Evonik(Thailand) Co.,Ltd (German Company)

Rayong

System description : Bag filter
Equipment description : 1 unit of bag filter
Handling Material : Powder
Capacity :
Total Distance :
Year : 2013
Value : 10,527,000.00 Baht.

93.Carbokarn (Indonesia) Co.,Ltd (Indonesia Joint Venture company)

Indonesia

System description : Negative and Positive Pneumatic conveying system
Equipment description : 2 unit of bag filter
2 units of Rotary valve 6.0", Steel
Main blower : Roots blower 10 hp, 2 units
Control : Fully automatic system, Programmable Control Relay,
SIEMENS LOGO
Handling Material : Saturated carbon for filtration and door absorption
Capacity : 1,000 kg/hr
Total Distance : 80 metres
Year : 2013
Value : 1,560,400.00 Baht.

97.KP Renovate Co.,Ltd. (Thai company) installed at Basel Factory/ Easter seaboard

Rayong

System description : Central vacuum system
Main blower : Roots blower 15 hp, 1 units
Control : Fully automatic system, Programmable Control Relay,
SIEMENS LOGO
Handling Material : Dust
Capacity :
Total Distance : 150 metres
Year : 2013
Value : 1,000,000.00 Baht.

98.Thai Plastic & Chemical (Public) Co.,Ltd. (SCG Group) (Thai company)

Rayong

System description : Sea bulk loading system (Install on bulk truck)

Equipment description : 1 unit of Sea bulk loading station
 1 unit of Rotary valve 14.0", SUS (DMN)
 1 unit of Rotary valve 6.0", SUS(DMN)
 1 unit of inline filter
 1 unit of bag filter
 1 unit of air cooling

Main blower : Roots blower 50 hp, 1 unit
 Control : Fully automatic system, Programmable Control Relay,
 SIEMENS LOGO

Handling Material : PVC Powder
 Capacity : 23,000 kg/hr
 Total Distance : 20 metres
 Year : 2013
 Value : 5,700,000.00 Baht.

99.SR Tyre Co.,Ltd (Thai company)

Prachinburi

System description : Pneumatic conveying system

Equipment description : 1 unit of Rotary valve 8"
 12 units of diverter valve
 1 unit of air cooling

Main blower : Roots blower 50 hp, 1 unit

Handling Material : Carbon powder

Capacity : 4,000 kg/hr

Total Distance : 60 metres

Year : 2013

Value : 3,700,000.00 Baht.

100.CNC International (Public) Co.,Ltd. (CP Petrochemical Group) (Thai company)

Rayong

System description : Pneumatic conveying & Silo weighting system

Equipment description : 4 units of J&D Aluminium silos size 200 m3
 4 sets of Thames side sensor ,Silo weighting set
 1 unit of Rotary valve 10"(DMN)
 4 units of Rotary valve 8"(TRC)
 1 units of diverter valve(DMN)
 1 unit of bag filter
 1 unit of air cooling

Main blower : Roots blower 30 hp, 1 unit

Control : Fully automatic system, Programmable Control Relay,
 SIEMENS "S7/300"

Handling Material : PE Pullet

Capacity : 7,000 kg/hr

Total Distance : 50 metres

Year : 2014

Value : 14,270,000.00 Baht.



101. SQI Co.,Ltd. (Thai company)

Rayong

System description : Pneumatic conveying system
 Equipment description: 1 unit of Rotary valve 6"
 1 unit of Bag filter
 Main blower : Roots blower 10 hp, 1 unit
 Handling Material : Plastic powder
 Capacity : 1,000 kg/hr
 Total Distance : 30 metres
 Year : 2014
 Value : 750,000.00 Baht.

106 . Solvay Peroxythai Co.,Ltd. (Belgian Company)

Rayong

System description : Pneumatic conveying system
 Equipment description: DUST Housing, FLM DP SVA
 Handling Material : Powder
 Capacity :
 Total Distance :
 Year : 2014
 Value : 2,000,050.00 Baht.

112.SMC Logistic Co., Ltd. (Thai Company)

Rayong

System description : Pressurize Pneumatic conveying System(Sea bulk loading system)
 From Bulk Bag unloading ststion to container truck and bulk truck
 Equipment description: Control Panel,
 Cyclone filter 2500 m3/hr, Inline filter,
 Rotary valve size 12.0", 1units,SUS 304
 Diverter valve size 8.0", 1units,SUS 304
 Bulk bag unloading ststion with 2 hoist, 4.0m3 hopper & platform
 Main blower : Centrifugal blower 25.0 hp , 1unit
 Control : Fully automatic system ,PLC, SIEMENS S7 300
 Handling Material : PVC & Calcium carbonate powder
 Capacity : 18,000 kg/hr
 Total Distance : 20 m
 Year : 2015
 Value : 2,890,000.00 Baht

113.Saha Aree Co., Ltd. (Thai Company)

Chachengsao

System description : Pressurize Pneumatic conveying System
 From Bulk truck car to silos
 Equipment description: Control Panel, Butterfly valve,
 Heavy-duty Bag filter 1500 m3/hr, Inline filter,

Rotary valve size 8.0", 4units,Carbon steel hard chromed
SUS 304 Silos , 200 m3 , 3 units, with 200 tons load cell set,
Main blower : Roots 60.0 hp , 1unit
Control : Fully automatic system ,PLC, SIEMENS S7 300
Handling Material : PVC & Calcium carbonate powder
Capacity : 16,000 kg/hr
Total Distance : 24 m
Year : 2016
Value : 11,370,000.00 Baht

114.HMC Polymer Co., Ltd. /

in Cooperation With CR Asia Co.,Ltd. (Belgian Company)

Rayong

System description : Central vacuum cleaning System

Equipment description: Control Panel, Butterfly valve,
Heavy-duty Bag filter 900 m3/hr, Inline filter,
Rotary valve size 6.0", 1units,Carbon steel hard chromed
All in explosion proof Zone 22 version

Main blower : Ring blower 30.0 hp , 1unit
Control : Fully automatic system ,PLC, SIEMENS S7 300
Handling Material : PP dust
Capacity : - kg/hr
Total Distance : 66 m
Year : 2016
Value : 3,070,000.00 Baht

117. Thai Poly Ethylene Co., Ltd. (TPE)

A SCG Plastic group of company (Thai Company)

Rayong

System description : Gravity feed conveying System
From Storage silo to Big Bag filling station

Equipment description: Control Panel, Butterfly valve 12.0"
High speed big bag filling station
2 Step belt conveyor

Control : Fully automatic system ,PLC, SIEMENS S7 1200
Handling Material : LLDPE Pellet
Capacity : 60 bag/hr / 750 kg bag
Total Distance : 25 m
Year : 2016
Value : 4,910,000.00 Baht

129.Thai Plastic Bag Co., Ltd. (TPBI) ,

in cooperate with Sand and Soil Co.Ltd. (Thai Company)

Samuthprakarn

Rayong



System description : Pressurize Pneumatic conveying & Weighting System
From Storage silo Weighting hopper

Equipment description: Control Panel, Butterfly valve size 8.0",
Receiving hopper, 2.0 m³ & Vent Bag filter 300 m³/hr,
Rotary valve size 8.0", 3 units, SUS 304 /TRC
Rotary valve size 6.0", 1 units, SUS 304, dosing type /TRC
Weighting hopper, 1.0 m³, with 200 kg an-ti vibration load cell
1 set of Mixer weighting system, /Thames side sensor

Main blower : Roots blower 7.5 hp , 1 unit/ ROOTS
Control : Fully automatic system ,PLC, SIEMENS S7 1200
Handling Material : Calcium carbonate powder
Capacity : 1,200 kg/hr
Total Distance : 82 m
Year : 2017
Value : 4,230,000.00 Baht

121.Saha Aree Co., Ltd. (Thai Company)

Chachengsao

System description : Negative Pneumatic conveying System
From 2 mixing hoppers to 4 extruders

Equipment description: Control Panel, Butterfly valve,
Heavy-duty Bag filter 700 m³/hr, Inline filter,
Rotary valve size 6.0", 4 units, Carbon steel hard chromed
Diverter valve size 4.0", 3 units, Carbon steel hard chromed

Main blower : Roots blower 15.0 hp , 1 unit
Control : Fully automatic system ,PLC, SIEMENS S7 300
Handling Material : Dry mixed PVC & Calcium carbonate powder
Capacity : 3,000 kg/hr
Total Distance : 34 m
Year : 2017
Value : 2,190,000.00 Baht

123.Thai Plastic and Chemical Co., Ltd.

/ TPC/ A SCG Plastic group of company (Thai Company)

Rayong

System description : Positive pneumatic conveying system, Sea bulk loading system
From 12 Storage silo to container truck

Equipment description: Modify and upgrade the old existing system

Main blower : Roots blower 50.0 hp , 1 unit
Control : Fully automatic system ,PLC, SIEMENS LOGO
Handling Material : PVC powder
Capacity : 18,000 kg/hr
Total Distance : 19 m
Year : 2017
Value : 1,670,000.00 Baht

124.Tetrapak Co., Ltd. / (Sweden Company)



Samuthprakarn

Rayong /Borwin

System description : Positive pneumatic conveying system,

Equipment description: Rotary valve 5.0" sus 304

Main blower : Roots blower 3.0 hp , 1 unit

Control : Fully automatic system ,PLC, SIEMENS LOGO

Handling Material : PE Pellet

Capacity : 1,000 kg/hr

Total Distance : 11 m

Year : 2017

Value : 370,000.00 Baht

126.SMC Logistic Co., Ltd. (Thai Company)

Samuthprakarn

Rayong / Nikompattana

System description : Pressurize Pneumatic conveying System(Sea bulk loading system)
From Bulk Bag unloading station to container truck

Equipment description: Control Panel,

Cyclone filter 2500 m3/hr, Inline filter,

Rotary valve size 12.0", 1units,SUS 304

Bulk bag unloading station with 2 hoist, 4.0m3 hopper & platform

Main blower : Centrifugal blower 25.0 hp , 1unit

Control : Fully automatic system ,PLC, SIEMENS S7 300

Handling Material : PP & PE Pellet

Capacity : 20,000 kg/hr

Total Distance : 20 m

Year : 2018

Value : 2,760,000.00 Baht

129.Petron Corporation. (Pilipino company)

Batann Philippine / Luson

System description : Pressurize Pneumatic conveying System(Sea bulk loading system)
From Bulk Bag unloading station to container truck

Equipment description: Control Panel,

Cyclone filter 2500 m3/hr, Inline filter,

Rotary valve size 12.0", 2 units,SUS 304

Bulk bag unloading station with 2 hoist, 4.0m3 hopper & platform,
2 stations

Main blower : Centrifugal blower 75.0 hp , 2 units

Control : Fully automatic system ,PLC, SIEMENS S7 300

Handling Material : PE pellet

Capacity : 22,000 kg/hr

Total Distance : 60 m

Year : 2018

Value : 6,960,000.00 Baht

132.Grand Siam Composite Co., Ltd. /



GC/ A SCG Plastic group of company (Thai company

Rayong / in the factory of Aero class

System description : Pressurize Pneumatic conveying System(Sea bulk loading system)
From container truck to storage container

Equipment description: Control Panel,

Cyclone filter 800 m3/hr, Inline filter,
Rotary valve size 12.0", 2 units, SUS 304 , on mobile cart

Main blower : Roots blower 50.0 hp , 1 units

Control : Fully automatic system ,PLC, SIEMENS LOGO

Handling Material : PE pellet

Capacity : 10,000 kg/hr

Total Distance : 12 m

Year : 2018

Value : 560,000.00 Baht

135. Thai Plastic and Chemical (Public) Co., Ltd / (In coordinate with Siam Scale Co., Ltd.)

Rayong / in the factory of TPC / SCG Plastic

System description : Vacuum Pneumatic conveying System
From Big bag unloading station to packing machine

Equipment description: Control Panel,

Compact bag filter 250 m3/hr, Inline filter,
Rotary valve size 6.0", 2 units, SUS 304

Main blower : Ring blower 10.0 hp , 1 units

Control : Fully automatic system ,PLC, SIEMENS LOGO

Handling Material : PVC Powder

Capacity : 1,200 kg/hr

Total Distance : 19 m

Year : 2019

Value : 1,980,000.00 Baht

136. Covestro (Thailand) Co., Ltd (German company)

Rayong / Marbtapud Industrial estate

System description : Pneumatic conveying & Silo weighting system

Equipment description: 1 unit of J&D Aluminium silos size 1780 m3
2 units of J&D Aluminium silos size 784 m3
3 units of Stainless steel top vent bag filter"(TRC)

Main blower :

Control :

Handling Material : PET Pellet

Capacity :

Total Distance : 56 metres

Year : 2019

Value : 9,570,000.00 Baht. For bag filter and construction

: 1,505,000 Euro for Silos

137.Fitesa CNC(Public) Co,mLtd. (CP Petrochemical Group, with Brazilian joint venture)

**Rayong**

System description	: Pneumatic conveying & Silo weighting system
Equipment description	: 5 units of J&D Aluminium silos size 400 m3 3 units of J&D Aluminium silos size 160 m3 7 sets of load cell set Thames Side Sensor for silos 8 units of Rotary valve 8”(TRC) 11 units of diverter valve(DMN) 1 unit of bag filter 7 sets of load cell set Thames Side Sensor for silos
Main blower	: Ring blower 15 hp, 2 unit
Control	: Fully automatic system, Programmable Control Relay, SIEMENS “S7/300”
Handling Material	: PE&PP Pellet
Capacity	: 4,000 kg/hr
Total Distance	: 56 metres
Year	: 2019
Value	: 19,870,000.00 Baht. For System and construction : 695,000 Euro for Silos

140. Hymix Co., Ltd. / (Japanese joint venture company)**Cholburi** / Ammata Nakorn industrial estate

System description	: Pneumatic conveying system From bulk truck ,upto PVC silos / PVC resin From PVC silo to mixer, / PVC resin From Mixer to extruder / PVC drymix From extruder to Small bag filling machine
Equipment description	: 1 units of Stainless304 silos size 100 m3 / PVC 2 units of Stainless steel silos size 30 m3 / DOA 3 sets of load cell set Thames Side Sensor for silos 4 units of Rotary valve 6”(TRC) 2 units of Dosing Rotary valve 6.0” (TRC) 1 unit of bag filter 3 set of Dosing hopper 3 set of Weighting hopper 1 set of Small bag weighting machine 90 bags/hr
Main blower	: Ring blower 1.5 kw, 1 unit Roots blower size 4.0 kw 1 unit Roots blower size 15.0 kw 1 unit Roots blower size 37.0 kw 1 unit
Control	: Fully automatic system, Programmable Control Relay, SIEMENS “S7/300” / SCADA
Handling Material	: PVC powder Pullet
Capacity	: 16 tons/hr for silo feeding / 2 tons/hr in process
Total Distance	: 102 metres
Year	: 2020
Value	: 10,450,000.00 Baht. For Silos, System and construction

141. Ampacet Co., Ltd. / (US Company)**Cholburi** / Eastern seaboard industrial estate



System description : Pneumatic conveying system

Equipment description: 1 unit of bag filter

1 set of Recieving

Main blower : Roots blower size 37.0 kw 1 unit
 Control : Analog normal panel
 Handling Material : PVC Pullet / Master batch
 Capacity : 5 tons/hr in process, from extruder to filling machine
 Total Distance : 35 metres
 Year : 2020
 Value : 2,150,000.00 Baht. For System and construction

142. Carbokarn (Thailand) Co., Ltd. (Sri Lanka Joint Venture company) **Indonesia**

System description : Negative Pneumatic conveying system

Equipment description: 1 unit of bag filter

1 units of Rotary valve 6.0", Steel

Main blower : Roots blower 4.0 hp, 1 units
 Control : Fully automatic system, Programmable Control Relay,
 SIEMENS LOGO
 Handling Material : Saturated carbon for filtration and door absorption
 Capacity : 1,000 kg/hr
 Total Distance : 20 metres
 Year : 2021
 Value : 640,000.00 Baht.

143. Thai Poly Ethylene Co., Ltd. (TPE)

A SCG Plastic group of company (Thai Company)

Rayong

System description : Gravity feed conveying System

From Storage silo to Big Bag filling station

Equipment description: Upgraded equipment for big bag filling station

Control : -
 Handling Material : LLDPE Pellet
 Capacity : 5 bag/hr / 750 kg bag
 Total Distance : -
 Year : 2021
 Value : 433,000.00 Baht

147. Covestro (Thailand) Co., Ltd (German company)

Rayong / Marbtapud Industrial estate

System description : Pneumatic conveying system

Equipment description: 2 units of Rotary valve 10" (DMN Westinghouse)
 2 units of Diverter valve 6" (DMN Westinghouse)
 4 units of Diverter valve 4" (DMN Westinghouse)
 1 unit of Air-cooling unit
 1 unit of Inline Air outlet filter

Main blower : Roots Blower 75 hp, 1 unit (ROOTS USA)
 Control :



Handling Material : PC Pellet
 Capacity : 12,000 kg/hr
 Total Distance : 50 metres
 Year : 2021
 Value : 5,560,000.00 Baht. For System and construction

148. Watabhand Packaging System Co, Ltd.

Rayong (Pintong industrial estate)

System description : Pneumatic conveying & Silo weighting system
 Equipment description : 6 units of Zeppelin Aluminium silos size 200 m3
 (Second hand silo from TPC Prapradeang)
 6 sets of load cell set Thames Side Sensor for silos
 1 units of Rotary valve 6”(Azo)
 (Second hand silo from TPC Prapradeang)
 4 units of Roots blower (Aezen)
 (Second hand silo from TPC Prapradeang)
 6 sets of Slide gate valves
 Main blower : 4 units of Roots blower 20.0 Hp (Aezen)
 (Second hand silo from TPC Prapradeang)
 Control : Fully automatic system, Programmable Control Relay,
 SIEMENS “S7/1200”
 Handling Material : PE&PP Pellet
 Capacity : 2,000 kg/hr
 Total Distance : 156 metres
 Year : 203
 Value : 10,360,000.00 Baht. For System and construction

150. Hymix Co., Ltd. / (Japanese joint venture company In Cooperated with Siam complex technology our sister company,) Expansion project

Cholburi / Ammata Nakorn industrial estate

System description : Pneumatic conveying system
 From bulk truck ,upto PVC silos / PVC resin
 From PVC silo to mixer, / PVC resin
 From Mixer to extruder / PVC drymix
 From extruder to Small bag filling machine
 Equipment description : 1 units of Stainless304 silos size 200 m3 / PVC
 2 units of Stainless steel silos size 30 m3 / DOTP
 3 sets of load cell set Thames Side Sensor for silos
 1 units of Rotary valve 6”(TRC)
 2 units of Dosing Rotary valve 6.0” (TRC)
 1 unit of bag filter
 3 set of Dosing hopper
 3 set of Weighting hopper
 1 set of Small bag weighting machine 90 bags/hr
 1 set of Big bag unloading station to fill the silo
 Main blower : Ring blower 1.5 kw, 1 unit
 Roots blower size 5.5 kw 1 unit
 Roots blower size 15.0 kw 1 unit
 Roots blower size 37.0 kw 1 unit
 Control : Fully automatic system, Programmable Control Relay,



SIEMENS "S7/300" / SCADA
Handling Material : PVC powder Pullet
Capacity : 16 tons/hr for silo feeding / 2 tons/hr in process
Total Distance : 112 metres
Year : 2022
Value : 17,450,000.00 Baht. For Silos, System and construction

152.SMC Logistic Co., Ltd. (Thai Company)

Samuthprakarn

Rayong / Nikompattana

System description : Pressurize Pneumatic conveying System(Sea bulk loading system)

From Bulk Bag unloading station to container truck

Equipment description: Control Panel,

Mobile feeding gun set,

Rotary valve size 14.0", 1units, SUS 304

Mobile Bulk bag unloading station with, 1.0m³ hopper, Fork lift operate

Main blower : Mobile Craw pump of the factory 900 cmh , 1.8 bar

Control : Fully automatic system ,PLC, SIEMENS S7 300

Handling Material : PP & PE Pellet

Capacity : 20,000 kg/hr

Total Distance : 20 m

Year : 2023

Value : 1,860,000.00 Baht