

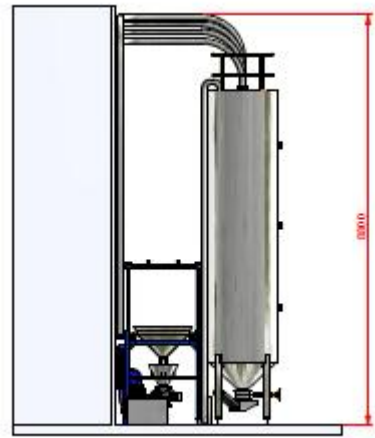
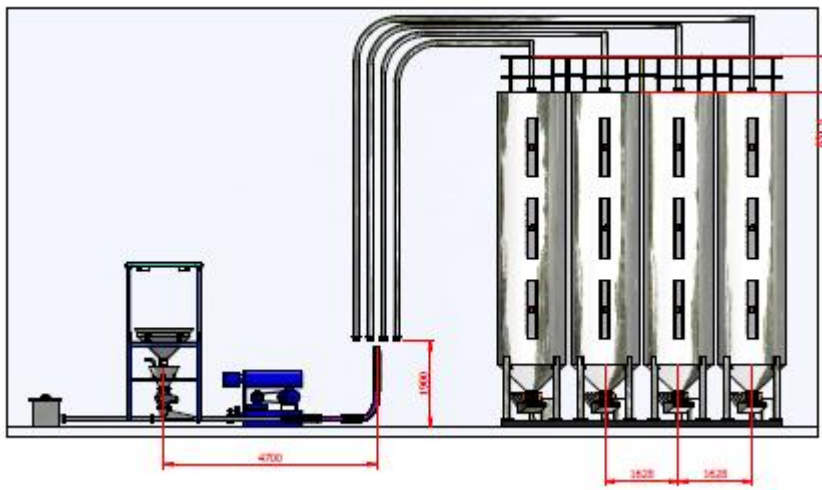
# THEREC ENGINEERING & CONSULTING CO.,LTD.



- Big Bag Filling & Unloading Station
- Dust explosion control equipment
- Small bag & Tote Bin Dumping Station
- Weighting scale and Load cell

- Rotary & Diverter Valve
- Lump Breaker / Lump Crusher
- Food Grade Screw Conveyor
- Grinding and Mixing Machine

## Silos Feeding System



Picture from the existing line of Precision plastic



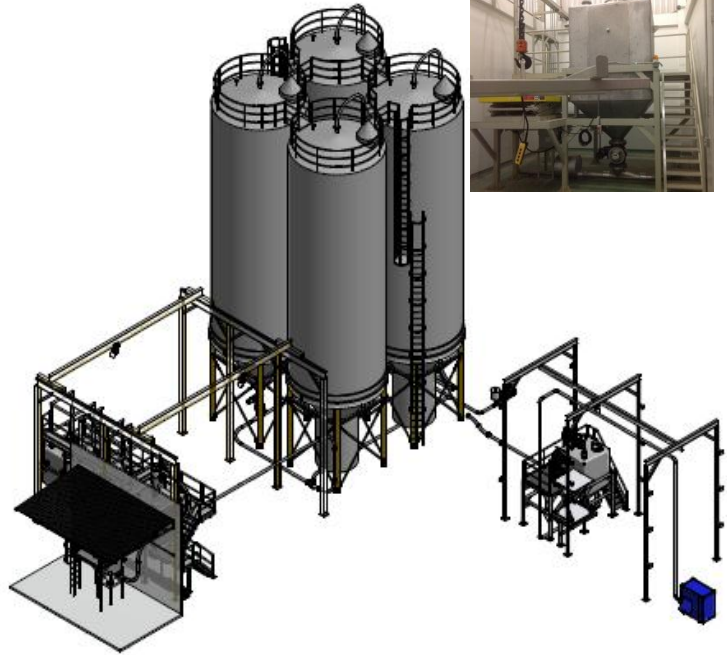
- Material handling Fan & Blower
- Vacuum pump
- High Pressure Blower & Exhauster

- Stainless Steel Hopper & Silo
- Stainless Steel Cyclone & Receiver
- Stainless Fabrication Work

**Therec Engineering & Consulting Co, Ltd.** [www.thereceng.com](http://www.thereceng.com)  
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 Thailand General product Therec 01 / 2016



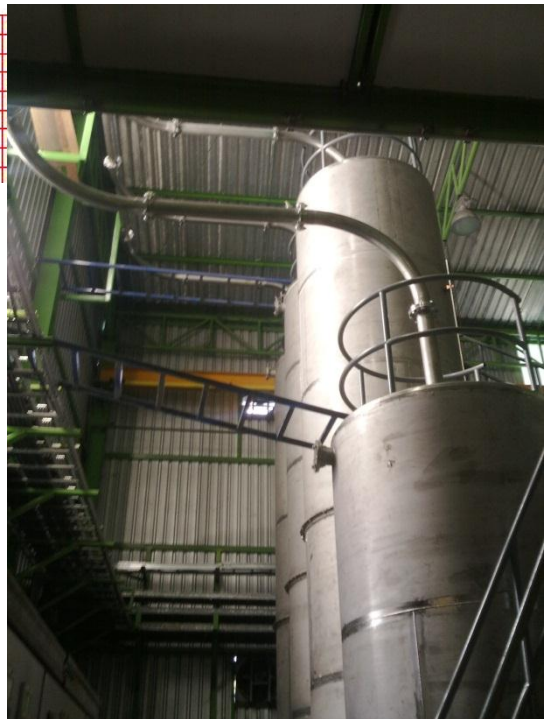
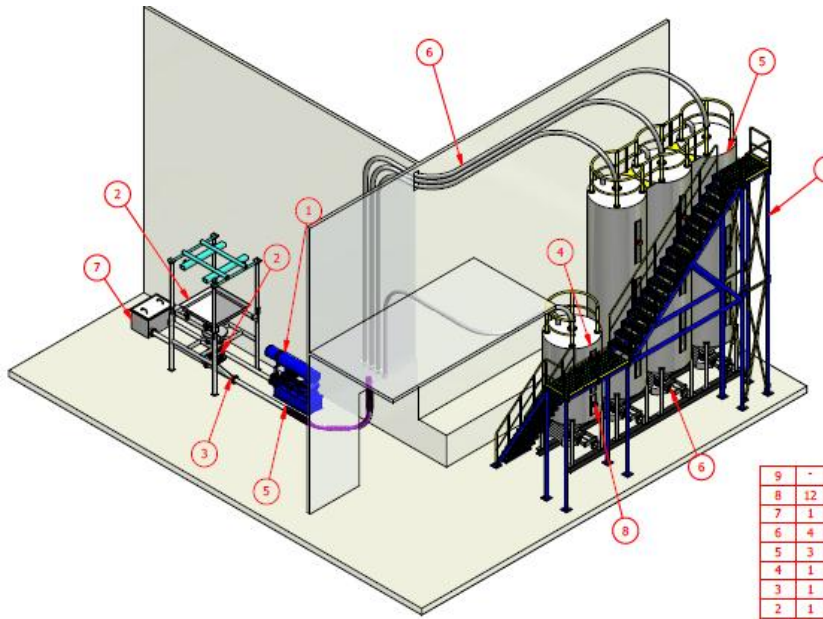
# Therec Engineering & Consulting Co., Ltd.



## Silos loading system (PE Pellet ) CNC International (CPPC group)

The total system consisting of :

- 1 of 5.0 tons Pneumatic conveying systems
- 1 of 1.0 tons Pneumatic conveying systems
- 1 of Big bag unloading stations, 1 rail, 1 hoist operated, 2,000 litre hopper
- 5 of Big bag unloading stations, 1 Overhead Crane operated, 6,000 litre hopper
- 1 of High pressure ring blower 7.5kw / 10.0 hp
- 1 of High pressure roots blower 37.0kw / 50.0 hp
- 1 of Heavy duty air lock rotary valves , Stainless steel 304 , 10.0 inches
- 4 of Medium duty air lock rotary valves , Stainless steel 304 , 6.0 inches
- 4 of 200 m<sup>3</sup> (100 tons) J&D Aluminium knock down silos
- 4 of 200 tons load cell set
- 1 of Electrical control box, with SEMENS LOGO PLC



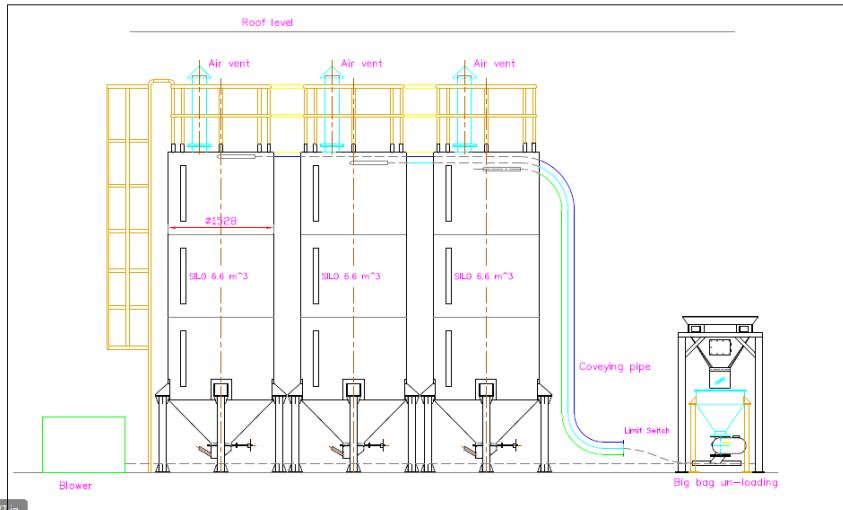
9	-
8	12
7	1
6	4
5	3
4	1
3	1
2	1
1	1



## Sea Bulk loading system (PE Pellet ) SCG Chem (TPC) Warehouse

The total system consisting of :

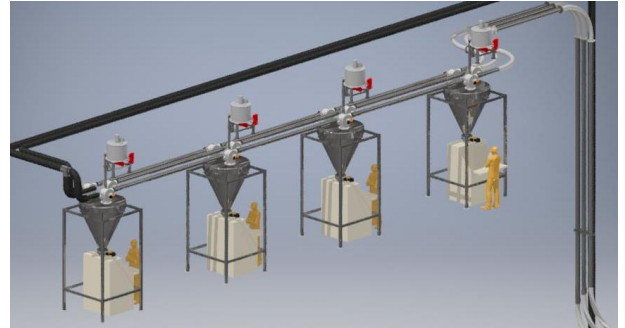
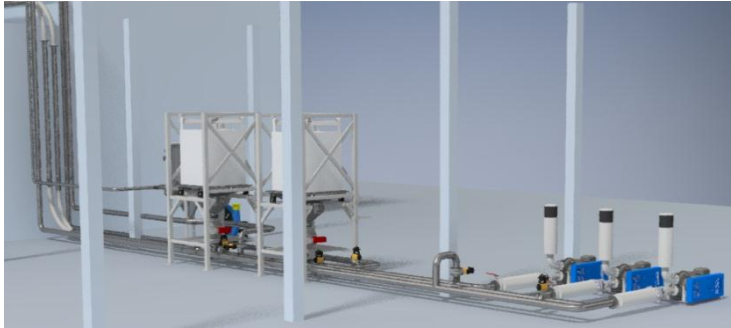
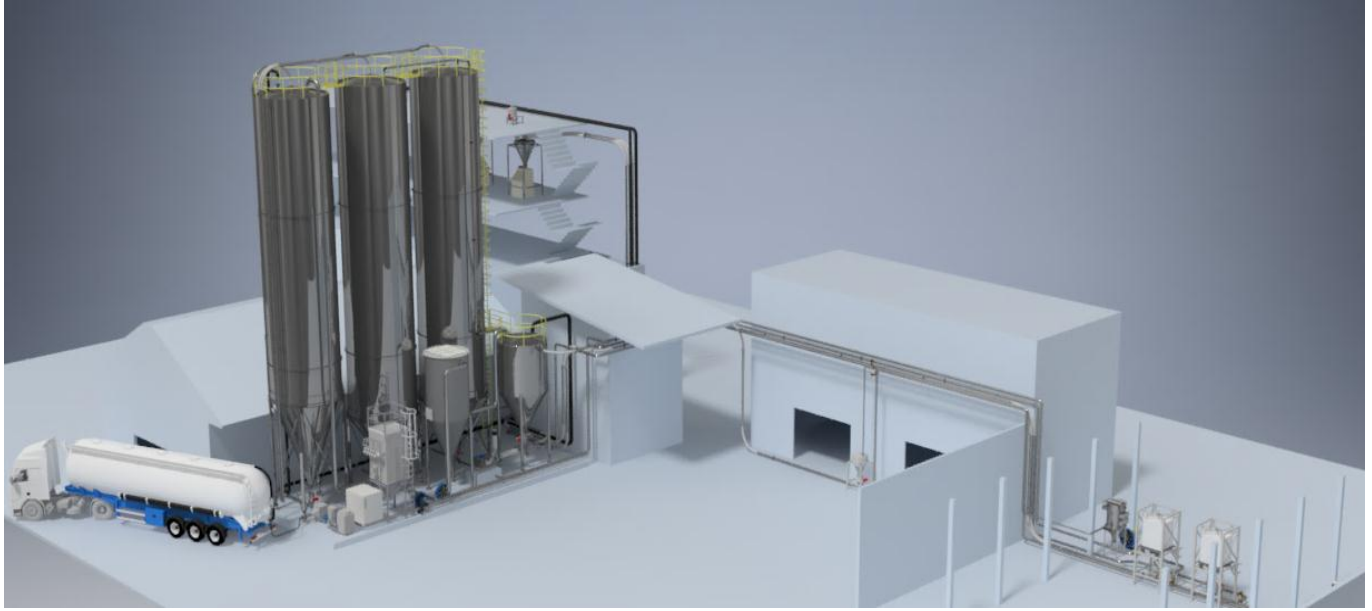
- 1 of 7.0 tons Pneumatic conveying systems
- 1 of Big bag unloading stations, fork lift operated, 50 litre hopper
- 1 of High pressure Roots blower 18.5 kw / 25.0 hp
- 1 of Bag filters for dust controlling system, with 1,300 m<sup>3</sup> centrifugal fan
- 1 of 4.0 m<sup>3</sup> Stainless steel silos
- 3 of 8.0 m<sup>3</sup> Stainless steel silos
- 1 of Heavy duty air lock rotary valves (powder valve), Stainless steel 304
- 1 of Electrical control box, with SEMENS LOGO PLC



## Sea Bulk loading system (PE Pellet ) SCG Chem (TPC) Warehouse

The total system consisting of :

- 1 of 6.0 tons Pneumatic conveying systems
- 1 of Big bag unloading stations, Swing arm hoist operated, 50 litre hopper
- 1 of High pressure Roots blower 15.0 kw / 20.0 hp
- 4 of 7.0 m<sup>3</sup> Stainless steel silos
- 1 of Heavy duty air lock rotary valves (powder valve), Stainless steel 304
- 1 of Electrical control box, with SEMENS LOGO PLC



## PVC pipe (PVC resin, PVC scrap and $\text{CaCa}_3$ ) processing system

The total system consisting of :

- 3 of 200.0 m<sup>3</sup> Stainless steel AISI304 Silos
- 1 of 20.0 m<sup>3</sup> Stainless steel silos
- 4 of 1.0 m<sup>3</sup> Carbon steel weighting hoppers
- 1 of 300 kg Weighting system for 3 types of raw material to 4 ribbon mixers with 10 formulas of raw material mixing , automatic memories operation with adjustable page ,allow only the authorized person with pass word add and renew
- 5 of 5.0 tons Pneumatic conveying systems
- 2 of Big bag unloading stations
- 4 of High pressure TurboTron blowers 30 kw
- 1 of Truck blower for bulk truck to silos 50 kw
- 7 of Heavy duty air lock rotary valves , Carbon steel body with hard chromed
- 12 of Scale valves for Weighting system
- 4 of Volumetric dosing machine/ with dosing rotary valves
- 2 of Bag filters for dust controlling system
- 1 of Electrical control box, with SIEMENS S7 1200 PLC with SIEMENS touch screen ,and SCADA system

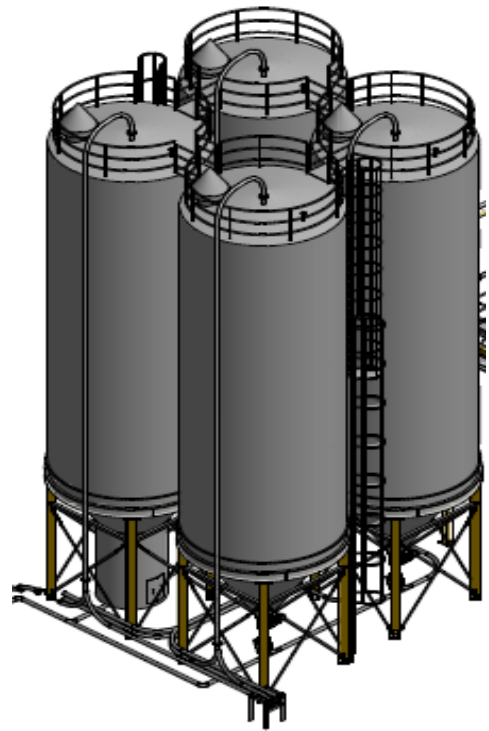


บ.เทอร์เรคเอนจิเนียริ่ง & คอนซัลแตนท์ จำกัด

**THEREC**

THEREC ENGINEERING & CONSULTANT CO.,LTD.

# Therec Engineering & Consulting Co., Ltd.



## Silos Weighting system (PE Pellet ) CNC International (CPPC group)

The total system consisting of :

- 4 of 200 m<sup>3</sup> (100 tons) J&D Aluminium knock down silos
- 4 of 200 tons load cell sets, Thames Sides Sensor , Smart Indicator , Junction box and Low profile mounting load cell assemble set
- 1 of Electrical control box, with SEMENS LOGO PLC



Low profile mounting assembly  
Atex & IECEx Certification



Install and Removal  
without lifting tool



Silo mount

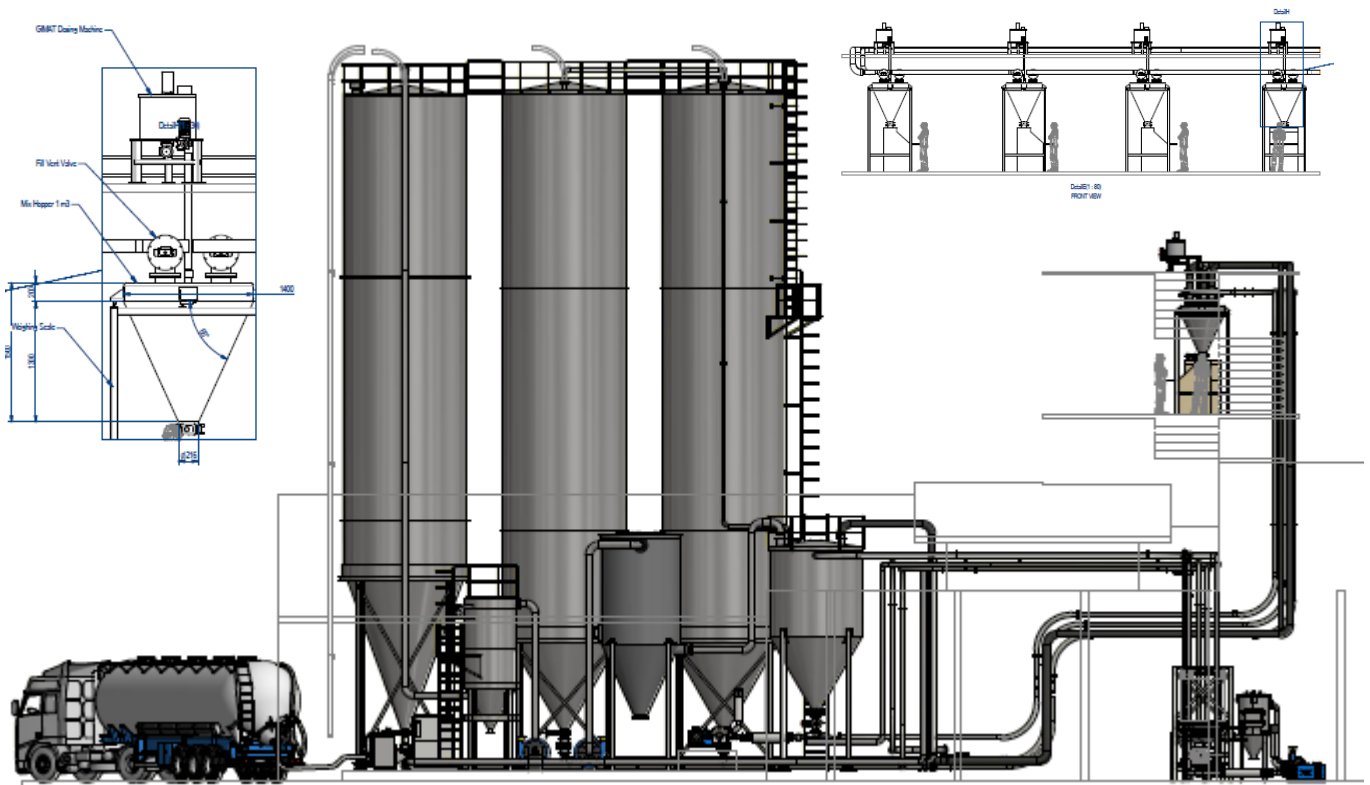


Smart Digital  
Display

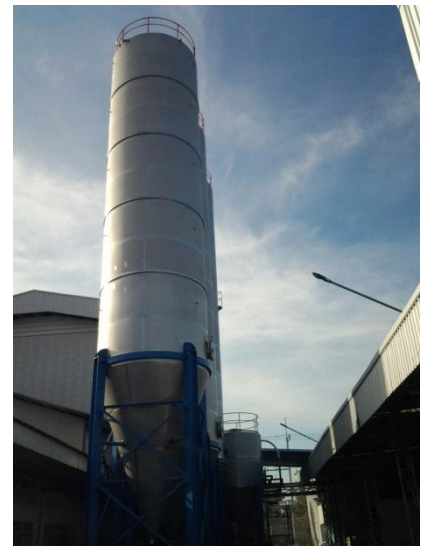


Junction box





## Silos Weighting system (PVC powder & Calcium Carbonate Powder ) Saha Area , Twin Lion brand PVC pipe factory



The total system consisting of :

- 3 of 200 m<sup>3</sup> (100 tons) Stainless Steel 304 silos
- 1 of 20 m<sup>3</sup> (12 tons) Stainless Steel 304 silos
- 4 of 200 tons load cell sets, Thames Sides Sensor , Smart Indicator , Junction box and Low profile mounting load cell assemble set
- 4 of 1.0 m<sup>3</sup> (350 kg) Stainless Steel 304 silos
- 4 of 1200 kg load cell sets, Thames Sides Sensor , Smart Indicator , Junction box and Lever mount loadcell weighting assembly
- 12 of Scale valves size 4.0"
- 1 of Electrical control box, with SEMENS S7 1200

# Bulk Material Handling System Integrator

## Silos System Component

**DMN WESTINGHOUSE**  
Rotary, Diverter & Scale valve

**GVF components**

Silo feeding Multi ways diverter valve

Silo pressure & vacuum valve

Cast iron and Stainless steel Slide gate valve

Vibrofluidizer

Fluidification plate PF & FLUO

Level sensor

Air Knocker

Flame Arrester

**VIGILEX** Bursting panel

**STIF**

**Jansen & Heuning** bulk handling systems

**THEREC** THEREC ENGINEERING & CONSULTANT CO., LTD.

Silo Vent Bag filter

**MORRIS** COUPLING COMPANY

Long Bend & Coupling

**Roots**

Silo Feeding Blower

Silo Loading Bellow

Smart Digital Display

Junction box

Low profile mounting assembly

Install and Removal without lifting tool

Silo mount ,Atex & IECEX Certification

**Thames Side**

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