



INGENIUM CO.,LTD

SINCE 2015

COMPANY PROFILE

PROFESSIONAL INSTALLATION SERVICE



The Latin Word Ingenium has meanings "The ability to have an inborn" specifically refers to cognitive ability. Such as artificial intelligence

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BUSINESS PROFILE.

Company Name	: Ingenium Co.,Ltd
Business Trade Name	: Engineering & Turnkey Installation Services
Date Established	: March 2015
Tax ID	: 0-1255-58007-26-4
Business Address (Head Office)	: 25/38 Moo 4 T.Bang Phai A.Muang Nonthaburi,11000 Thailand
Business Address (Factory)	: 37/22 Moo 6 Lat Lum Kaeo, Lat Lum Kaeo District, Pathum Thani 12140 Thailand
Contact Numbers	: Tel/Fax . 02-117-4619
Register Capacity	: THB 10,000,000
Employee	: 40 Person (Full time employee)
Email	: itti@ingenium.co.th
Web Site	: www.ingenium.co.th

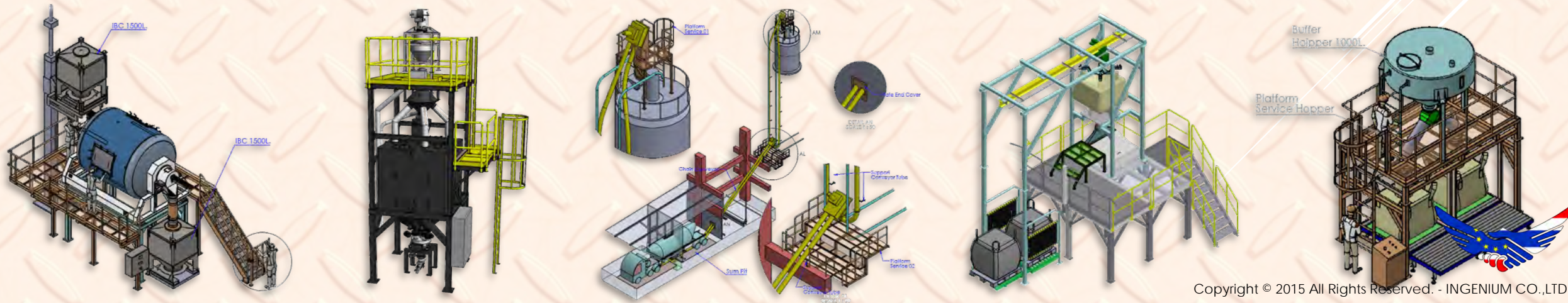


ABOUT US.

Ingenium Co.,Ltd was established since March 2015. We have experience and expertise in bulk solids material handling system and provide LEAN production solutions within various industries. We focus on the complete production process from bulk material handling system, Industrial Sieving and Screening Equipment, High-end Rotary Valves and Diverter Valve, Plastic extrusion System, Pneumatic conveying system, IBC System and production intermittent processes including movement and lifting of goods.

We cover engineering design, manufacturing for stainless and mild steel work, Professional installation service, Commissioning start-up services, and after-sales services.

Ingenium Co.,Ltd projects today range in scope from equipment and accessory sales to complete design and installation of turnkey systems. Our goal is to create a long and successful relationship with our customers to help them achieve improvement of product quality, increase production efficiency and improve labor operations.



5 PILLARS OF OUR BUSINESS

1. Engineering & Consulting Services



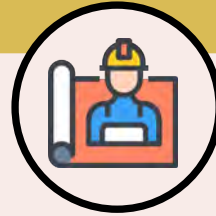
- **Process Improvement Consulting Services**
Analyze and optimize production processes for better efficiency.
- **Engineering Design**
3D process concept design and equipment layout integration.

2. Manufacturing & Fabrication



- **Bulk Material Handling Components**
Supply of equipment and components for bulk material handling.
- **Structural Steel Fabrication**
Fabrication of stainless/mild steel structures, silos, hoppers, tanks, and piping.

3. Installation & System integration



- **Installation Service**
Professional installation services for bulk material handling and other systems.
- **Electrical and Control**
PLC programming and operation interface for AB, Siemens, Omron, Mitsubishi, etc.

4. Logistics & Manpower Services



- **Loading and Unloading Labor Services**
Equipment unloading, unpacking, and positioning services.
- **Manpower Supply Services**
Skilled labor supply for installation and commissioning support.

5. After-Sales & Support Services



- **After Sales/Service and Support**
24/7 technical support by skilled technicians.
- **Certified Service Partner**
1st Certified DMN service partner in Southeast Asia



BOARD OF MANAGEMENT



Itti Na Bangchang
Chairman



Suchin Kingkaew
President



Sanao Maneepruk
Senior Advisor



Sutata Puolprasert



Sujitta Kingkaew
Chief Officers



Patcharaporn Sasiwimonrit



Noppharoj Lertakharawitch



Tanapan Pidkanpai



Adisak Arunrung



Nattapong Thamsuna



Supakit Piwpong



Paritat Kompachua



Teerapariphan Uansri

Group of Manager

Professional Installation Services



ORGANIZATION.

Engineering & Quality Assurance



Design & Visualization Studio



Project Management Office



Finance & Accounting



Business Development & Marketing



Customer Success & After-Sales Services



Professional Installation Services





SAFETY FIRST...NO COMPROMISE.

IN-HOUSE SAFETY TRAINING (IG SAFETY DAY)

List of Safety Training Courses with Certificates (for Site Access):

- ✓ Supervisor Safety Officer Training.
- ✓ Working at Height Safety Training.
- ✓ Scaffolding Erection and Inspection Training.
- ✓ Confined Space Entry Safety Training.
- ✓ Crane Operation Safety Training – 4 Key Roles.
- ✓ Basic Firefighting and Emergency Response Training.

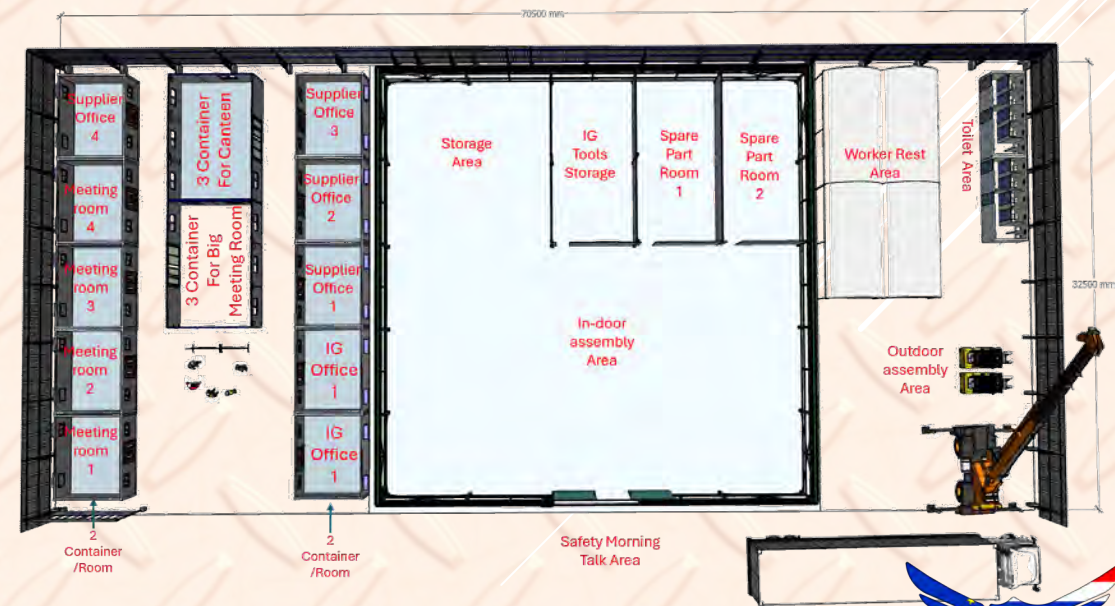
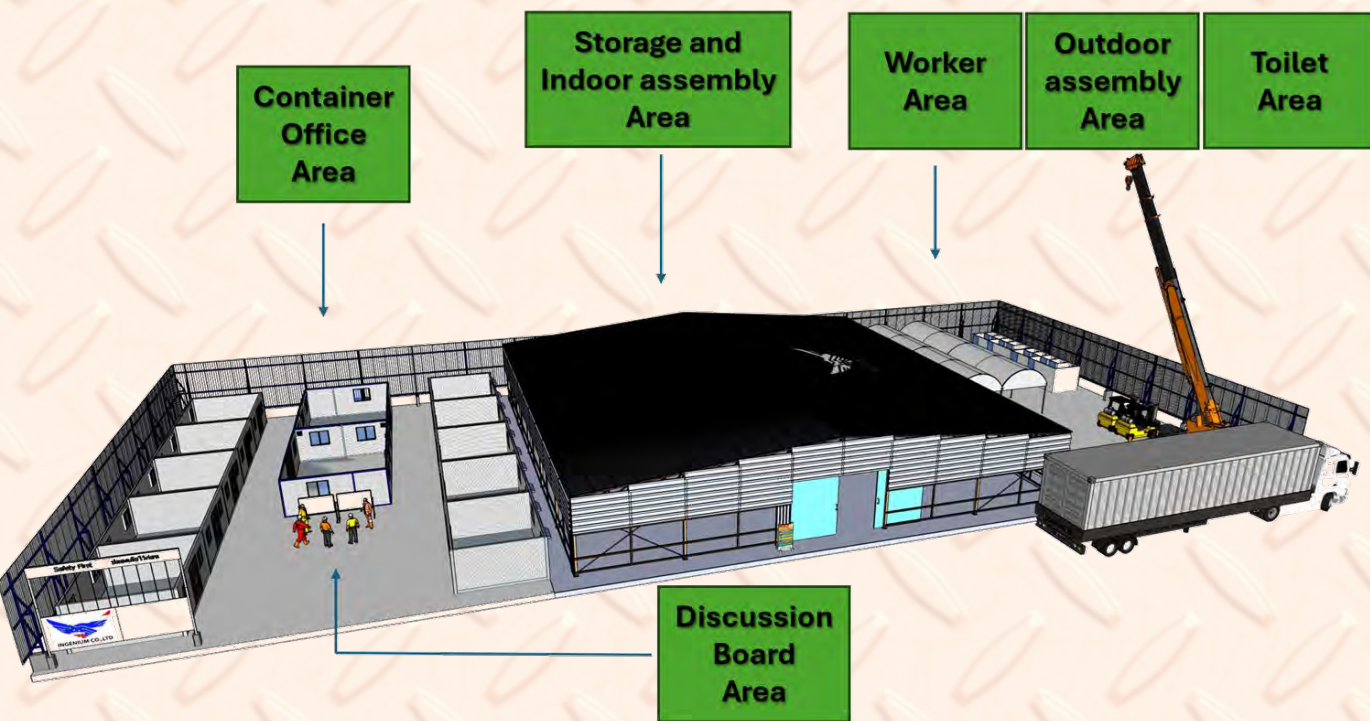


SAFETY FIRST... FIVE MINUTES FOR YOUR LIFE





INGENIUM SITE OFFICE AND STORAGE AREA



ENGINEERING DESIGN CENTER.

- By 3D and 2D Licensed program



CERTIFICATE.

- Effective Safety Training.
- Basic Vibration, Alignment and Balancing Training.



PROGRESS REPORT

INGENIUM CO., LTD.

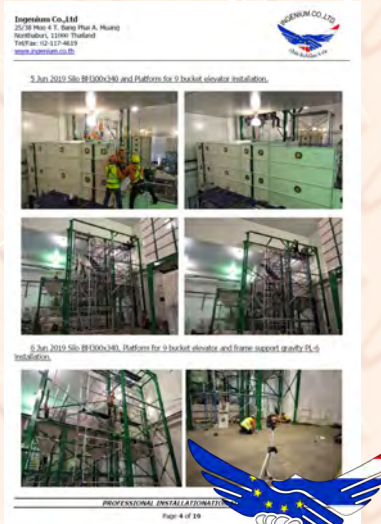
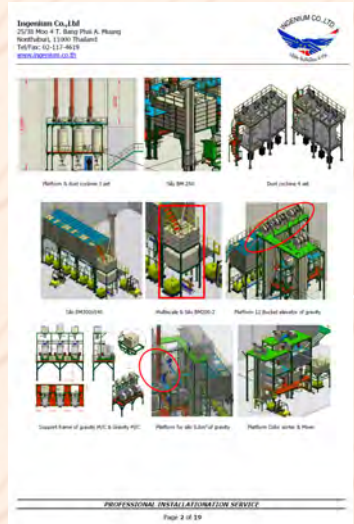
PROGRESS REPORT # 08

Project Name: Platform phase 8
Client Name: S&B and Seawing Co., Ltd.
Address: 25/38 Moo 4, Bang Phai, Mueang Nonthaburi, Nonthaburi 11000, Thailand
Tel: 02-524-1429

Date: 4 Sep - 13 Sep 2023
Location: S&B and Seawing Co., Ltd.
Writer By: Nattapong T.

NO	Work place	Progress	Progress	Detail
1	Platform for cyclone 3 set install	100%	100%	Platform and rail work is complete. Structure is 100% complete.
2	Cyclone 3 set install	100%	100%	Platform and rail work is complete. Structure is 100% complete.
3	Site BP 250 assembly & install	100%	100%	Platform and rail work is complete. Structure is 100% complete.
4	Site BP 250 assembly & install	100%	100%	Platform and rail work is complete. Structure is 100% complete.
5	Platform & rail cyclone 4 set install	100%	100%	Platform and rail work is complete. Structure is 100% complete.
6	Platform & rail cyclone 4 set install	100%	100%	Platform and rail work is complete. Structure is 100% complete.
7	Platform & rail cyclone 4 set install	100%	100%	Platform and rail work is complete. Structure is 100% complete.
8	Platform & rail cyclone 4 set install	100%	100%	Platform and rail work is complete. Structure is 100% complete.
9	Platform & rail cyclone 4 set install	100%	100%	Platform and rail work is complete. Structure is 100% complete.
10	Platform & rail cyclone 4 set install	100%	100%	Platform and rail work is complete. Structure is 100% complete.
11	Platform & rail cyclone 4 set install	100%	100%	Platform and rail work is complete. Structure is 100% complete.
12	Platform & rail cyclone 4 set install	100%	100%	Platform and rail work is complete. Structure is 100% complete.
13	Platform & rail cyclone 4 set install	100%	100%	Platform and rail work is complete. Structure is 100% complete.
14	Platform & rail cyclone 4 set install	100%	100%	Platform and rail work is complete. Structure is 100% complete.

PROFESSIONAL INSTALLATION SERVICE
Page 3 of 19



QUALITY CONTROL (QC)

- Raw material certificate report.
- Coating layer thickness inspection.
- Roughness inspection.
- PT Test (liquid penetrant test).
- RT (Radiographic Test).
- Dimension Inspection Report.

INGENIUM CO., LTD. (HEAD OFFICE)
25/38 Moo 4, Bangphai Mueang,
Nonthaburi 11000 Thailand
TEL/FAX : (082)117-4019
Email : info@ingenium.co.th
TAX ID : 0125550007264



QUALITY CONTROL
การควบคุมคุณภาพ

ผู้ตรวจสอบ/Inspector	Input	Form	Platform Support Size (T Size)	หมายเลข/No.
Inspection Date/Date	Customer Name	Project Name	Platform Support Size (T Size)	12/211004

No.	Date	List	Size (mm)	Material Grade	Class	Heat No.	Quantity	Accept	Reject
1	20/05/2019	ผู้ตรวจสอบ/Inspector	100x100x4 mm	SS 409	-	00000000000000000000	4 Pcs	Accept	-
2	20/05/2019	ผู้ตรวจสอบ/Inspector	100x100x4 mm	SS 409	-	00000000000000000000	4 Pcs	Accept	-

Note: ผู้ตรวจสอบ/Inspector - ผู้ตรวจสอบ

ผู้ตรวจสอบ/Inspector
Approved by: Technical

(ชื่อและนามสกุล)
ผู้ตรวจสอบ

ผู้ตรวจสอบ/Inspector
Approved by: QC Inspector

(ชื่อและนามสกุล)
ผู้ตรวจสอบ

ผู้ตรวจสอบ/Inspector
Approved by: Mechanical Engineer

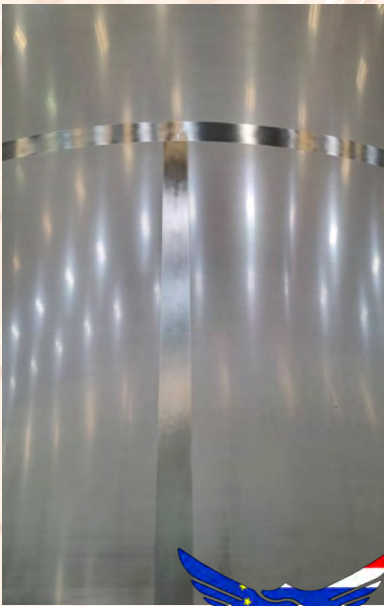
(ชื่อและนามสกุล)
ผู้ตรวจสอบ

ผู้ตรวจสอบ/Inspector

Platform Support Size (T Size)

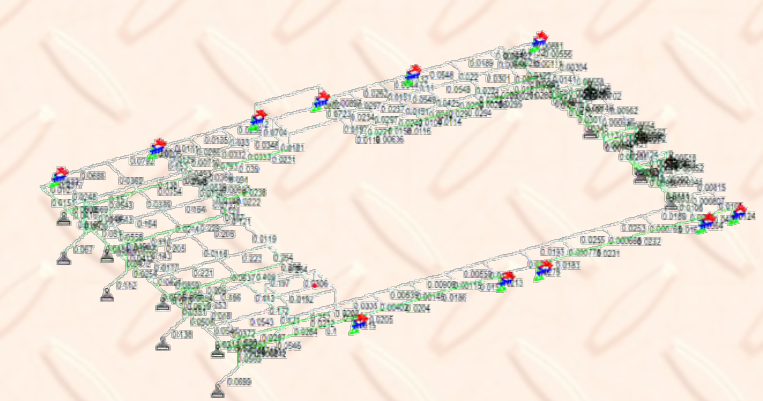
หมายเลข/No.

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1	20/05/2019	ผู้ตรวจสอบ/Inspector	100x100x4 mm	SS 409	-	00000000000000000000	4 Pcs	Accept	-
2	20/05/2019	ผู้ตรวจสอบ/Inspector	100x100x4 mm	SS 409	-	00000000000000000000	4 Pcs	Accept	-



ENGINEERING CALCULATION

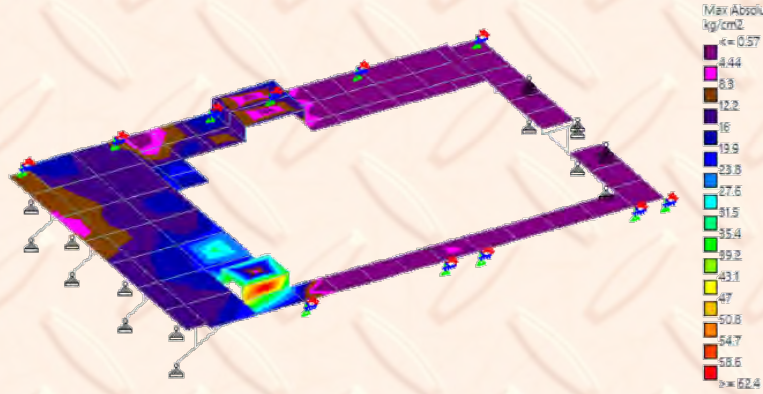
- Steel structure Strength Calculation Report (By STAAD.Pro)



Steel design ratio of steel platform (Overall < 1.00 Pass)

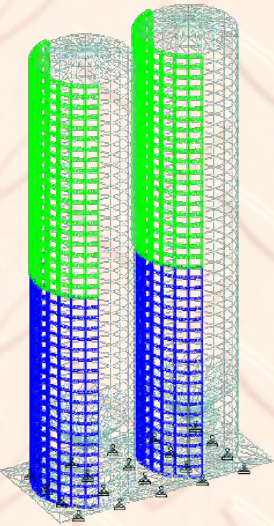
No	Steel size	Type of member	Steel design ratio	Result
1	H-250x125x6x9 mm.	Main beam	0.264	< 1.00 (Pass)
2	[100x50x5x7.5 mm.	Sub beam	0.252	< 1.00 (Pass)
3	H-100x100x6x8 mm.	Bracing	0.409	< 1.00 (Pass)

Steel design ratio detail by property



Checked plate 4.5 mm. stress, maximum = 62.4 kg/cm² < 0.6fy = 0.6x2,400 = 1,440 kg/cm² (Pass)

Wind pressure
H=0-10 m. 80 kg/m²
H=10-20 m. 80 kg/m²
Sphere coefficient 0.70



Wind load input

	Node	L/C	Horizontal Fx kg	Vertical Fy kg	Horizontal Fz kg	Moment Mx kg-m	My kg-m	Mz kg-m
Max Fx	28	102 DL+0.85WATER+0.7WIND	5513.888	21263.916	2.307	0.000	0.000	0.000
Min Fx	38	101 DL+0.85WATER	-4806.100	18812.547	-1.892	0.000	0.000	0.000
Max Fy	26	102 DL+0.85WATER+0.7WIND	5513.888	21263.916	2.307	0.000	0.000	0.000
Min Fy	37	101 DL+0.85WATER+0.7WIND	-3091.326	6428.824	-473.100	0.000	0.000	0.000
Max Fz	40	102 DL+0.85WATER+0.7WIND	1772.498	20063.217	4948.618	0.000	0.000	0.000
Min Fz	30	102 DL+0.85WATER+0.7WIND	1788.884	20020.185	-4937.288	0.000	0.000	0.000
Max Mx	26	101 DL+0.85WATER	4806.100	18812.547	1.892	0.000	0.000	0.000
Min Mx	26	101 DL+0.85WATER	4806.100	18812.547	1.892	0.000	0.000	0.000
Max My	26	101 DL+0.85WATER	4806.100	18812.547	1.892	0.000	0.000	0.000
Min My	26	101 DL+0.85WATER	4806.100	18812.547	1.892	0.000	0.000	0.000
Max Mz	26	101 DL+0.85WATER	4806.100	18812.547	1.892	0.000	0.000	0.000
Min Mz	26	101 DL+0.85WATER	4806.100	18812.547	1.892	0.000	0.000	0.000

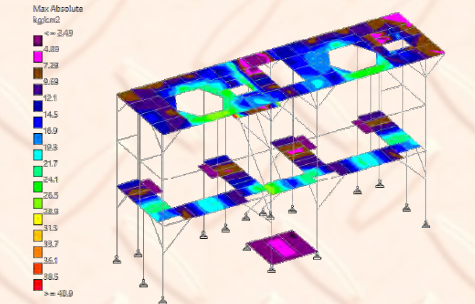
Summary reaction force in bolt (Load from Silo calculation report)

Bolt M24 (SD40), Allowable shear = 0.4x4,000xA
= 0.4x4,000x4.908
= 7,853.98 > 5,513.88 kg. (Pass)
Block shear check = 0.4x2,400x(2.8x(15.0-2.7))
= 33,062.4 kg. > 5,513.88 kg. (Pass)

Use 24-M24 Anchor bolt (Strength of anchor bolt = 4,000 ksc. As minimum)

No.	Member	Type of structure	Steel design ratio	Result
1	[15-150x150x8 mm.	Main column	0.867	< 1.00 Pass
2	[15-150x150x8 mm.	Main beam	0.481	< 1.00 Pass
3	[15-150x150x8 mm.	Main beam	0.880	< 1.00 Pass
4	[15-150x150x8 mm.	Bracing	0.355	< 1.00 Pass
5	L-80x80x6 mm.	Sub beam	0.538	< 1.00 Pass
6	[15-150x150x8 mm.	Sub beam	0.414	< 1.00 Pass
7	[15-150x150x8 mm.	Stair beam	0.348	< 1.00 Pass

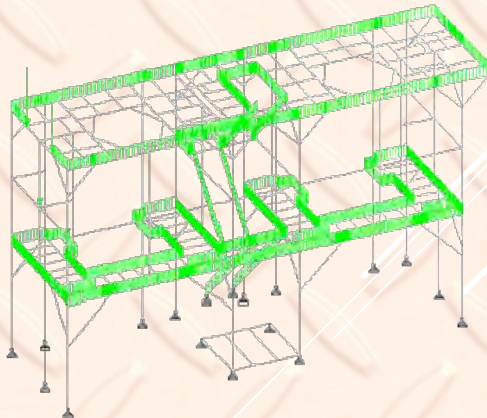
Steel design ratio detail



Stainless checked plate 4 mm. stress, maximum = 40.9 kg/cm² < 0.6fy = 0.6x2,400 = 1,440 kg/cm² (Pass)

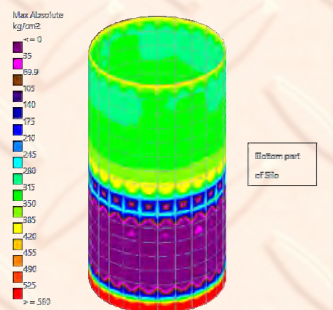
	Node	L/C	Horizontal Fx kg	Vertical Fy kg	Horizontal Fz kg	Moment Mx kg-m	My kg-m	Mz kg-m
Max Fx	23	101 DL+LL	331.043	7330.867	479.538	0.000	0.000	0.000
Min Fx	22	101 DL+LL	-335.595	8528.191	-518.487	0.000	0.000	0.000
Max Fy	22	101 DL+LL	-335.595	8528.191	-518.487	0.000	0.000	0.000
Min Fy	431	101 DL+LL	2.348	245.422	-1.166	0.000	0.000	0.000
Max Fz	149	101 DL+LL	0.279	977.996	626.068	0.000	0.000	0.000
Min Fz	22	101 DL+LL	-335.595	8528.191	-518.487	0.000	0.000	0.000
Max Mx	1	101 DL+LL	33.322	2099.103	85.361	0.000	0.000	0.000
Min Mx	1	101 DL+LL	33.322	2099.103	85.361	0.000	0.000	0.000
Max My	1	101 DL+LL	33.322	2099.103	85.361	0.000	0.000	0.000
Min My	1	101 DL+LL	33.322	2099.103	85.361	0.000	0.000	0.000
Max Mz	1	101 DL+LL	33.322	2099.103	85.361	0.000	0.000	0.000
Min Mz	1	101 DL+LL	33.322	2099.103	85.361	0.000	0.000	0.000

Support reaction summary

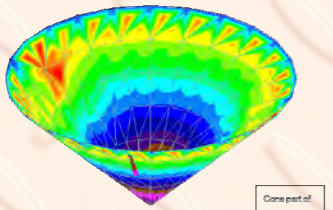


Self weight
Stainless steel checked plate 4 mm. 31.5 kg/m² (0.215 kN/m²)
Hand rail 30 kg/m² (0.3 kN/m²)
Reaction from railway

Dead load input



Bottom part of Silo

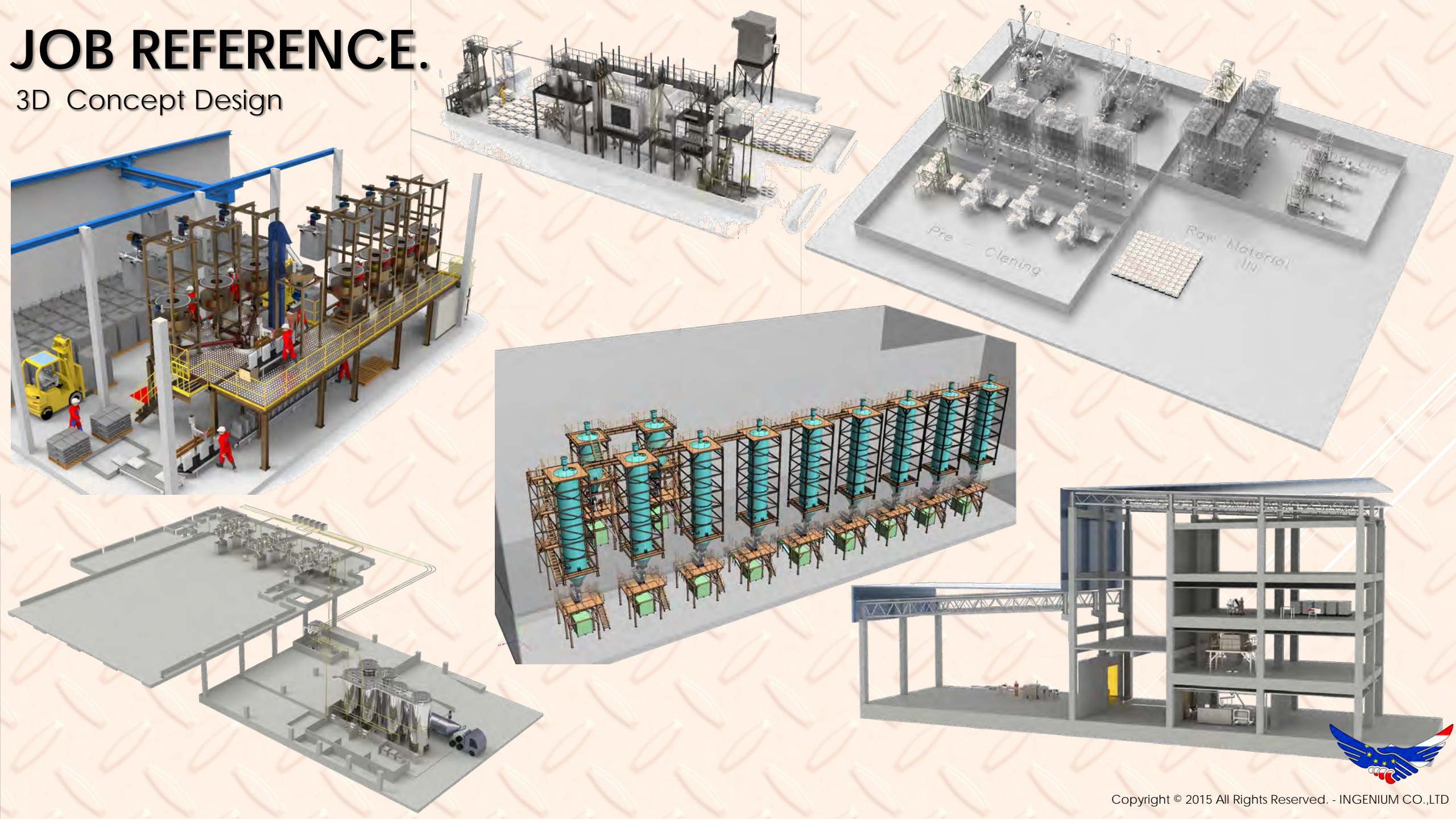


Top part of Silo

Stainless steel plate 6 mm. stress, maximum = 640 kg/cm² < 0.6fy = 0.6x2,400 = 1,440 kg/cm² (Pass)

JOB REFERENCE.

3D Concept Design



OUR PRODUCT.

Industrial Sieving & Screening Equipment.



farleygreene

ULTRA HYGIENIC ULTRA TOUGH.

Introducing the Easilift Ultra, the latest sack tip screener designed to guarantee your ingredient safety.

SM sievmaster
by farleygreene



Rota Range

Powerful, compact, non-vibratory machines for high volume bulk sifting.

SM sievmaster
by farleygreene



Product Specification

Slimline Range SM 550-FF

Vibratory Check Screener in 550mm Diameter

The 550-FF model can be used as a simple means of check sieving into bins or containers. It is primarily designed to be fed under gravity within new or existing production lines, to screen product into a static weigh bin, big bag, convey line or hopper.

The basic unit will locate within a confined area to provide for retrospective fitting into systems that previously had no sieving equipment. Used with the optional wheeled base assembly, it makes an ideal arrangement to sieve ingredients in small or large batch volumes.



SM sievmaster
by farleygreene



**MADE IN
BRITAIN**

BY INDUSTRIES



Food & Drink



Pharma



Chemical



Nutriceutical



Reclamation & Recycling



Additive Manufacturing



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OUR PRODUCT.



High-end Rotary Valves & Diverter.

DMN-WESTINGHOUSE has been designing and manufacturing rotary valves, diverter valves and other related components for the bulk solids handling industry for many years.

DAIRY

People across the globe, enjoy the flavor and nutritional benefits of dairy products. In its many forms,

[Explore →](#)

FOOD

The food industry is one of the largest on the planet. The World Bank, in figures recently published, valued the

[Explore →](#)

ANIMAL FEED

The food industry continues to grow. According The UN Food and Agricultural Organization, the world

[Explore →](#)

PHARMA

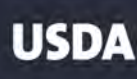
At some point in our lives, we will probably all be extremely grateful for the investment that the world's

[Explore →](#)

Diverter by DMN-WESTINGHOUSE come in many types and sizes, suitable for a specific use or a variety of applications. The extensive diverter range comprises a series of plug diverters (dual pipe, single pipe, CIP suitable, gravity) and tube diverters (2-14 ports), some of which are also available in USDA Dairy accepted version. For the mineral industry, the BTD ball type diverter with its rugged design is very suitable for handling abrasive products.



PTD PLUG DIVERTER VALVE



ROTARY VALVES

Our rotary valves and diverters have a well-established reputation for being able to handle all kinds of dry powders and granular materials, such as sugar, cocoa, starch, flour, chemical ingredients, lime powder, china clay, fly ash and wood chips. A number of standard rotary valves can be upgraded, depending on the product handled. The housing can be made from Ni-hard casting when working with abrasive products, such as fly ash. Or the inside of the housing can be coated with chromium or tungsten when working with mild abrasive products. What's more, the valve can be fitted with a special rotor when processing sticky products or starch, for example.

CHEMICALS

A world with no processed chemicals at all would present a very inhospitable environment. No

[Explore →](#)

PLASTICS

The plastics industry is a massive industry which touches literally everyone.

[Explore →](#)

MINERALS

Thanks to carbon dating, scientists are reasonably sure that around 43,000 years ago, our ancestors

[Explore →](#)



OUR PRODUCT.

High-end Rotary Valves & Diverter.



SERVICE & MAINTENANCE

24/7 SUPPORT

DMN-WESTINGHOUSE provides preventive maintenance, for example when it comes to fine-tuning rotor blades and determining tolerances, etc. →



What does this mean for you as a customer?

- ✓ Annual inspection and maintenance
- ✓ 24/7 service, 365 days a year
- ✓ Serviceman within 24 hours on site in case of a defect
- ✓ Advise on increasing the maintenance interval
- ✓ Smaller chance of a production standstill due to breakdowns
- ✓ Also possible with delivery through a retailer
- ✓ Under conditions possible in retroaction





**WE ARE
OPEN**
Now

S.W.L 300 KG

DMN | **CERTIFIED
SERVICE
PARTNER**
WESTINGHOUSE



ROTARY
VALVES
AND
DIVERter
VALVES



INGENIUM

SPARE PARTS

AFTER SALES / SERVICE AND SUPPORT

24 HOURS A DAY, 7 DAYS A WEEK, 365 DAYS A YEAR.
OUR SKILLED TECHNICIANS CAN HELP YOU.



QUALIFIED, VERIFIED, CERTIFIED!



OUR PRODUCT.

BRAMBATI S.p.A.

Brambati specialises in coffee production plants and similar types.

We can supply "turnkey" plants, from the reception of green coffee up to feeding packaging machines, through cleaning, storage, weighing, blending, roasting, conveyance (with either traditional mechanical conveyors or the latest generation of slow conveyors), grinding and degassing.

Our roasters come in a variety of sizes, from 5-7.5Kg/batch (20Kg/h.) to 600Kg/batch (3000Kg/h.). They can be the traditional type (KAR or KAR-S models) or with highly automated design (BR models), allowing for complete flexibility in controlling the coffee roasting process, by adapting the roasting features to the different Customer requirements.



CUSTOMER CARE SERVICE

BRAMBATI S.p.A.

Brambati specialises in coffee production plants and similar types.

Brambati has introduced a new Customer Care service to provide our customers with quick and efficient assistance worldwide.

Phone line

Our service numbers are

0383 73795 when calling from Italy

+39 0383 73795 when calling from abroad

For quick access to the service, please prepare the following information in advance:

- ✓ Company data
- ✓ Customer code (unique code assigned to each Brambati customer via e-mail)
- ✓ Type of machine/plant with serial number or wiring diagram of reference
- ✓ Contact person to call back
- ✓ Severity of the fault (informational, non-blocking, partially blocking, total block)



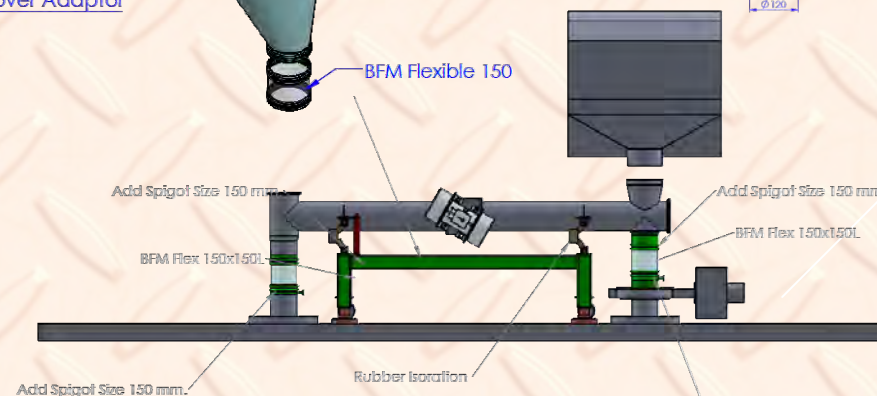
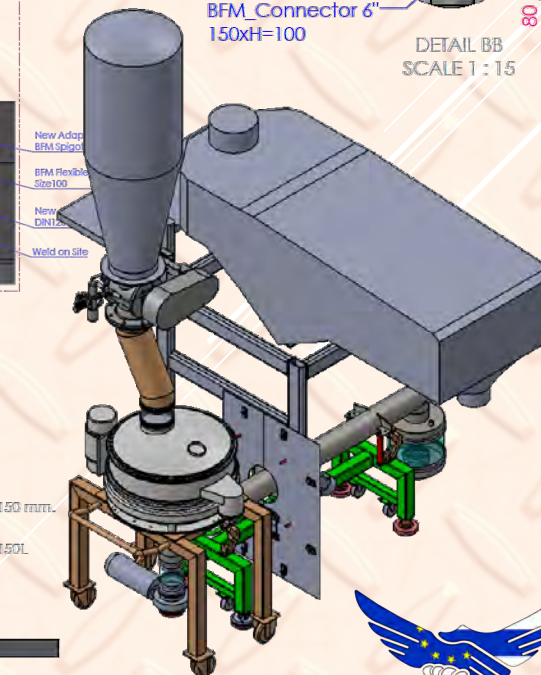
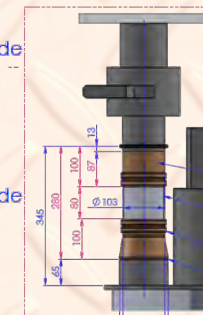
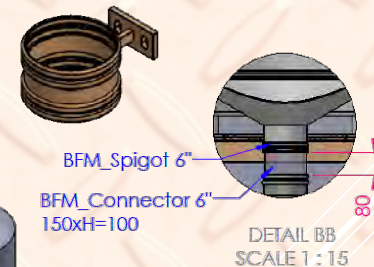
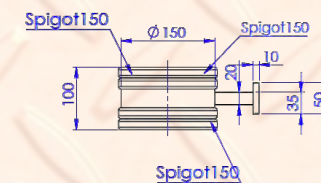
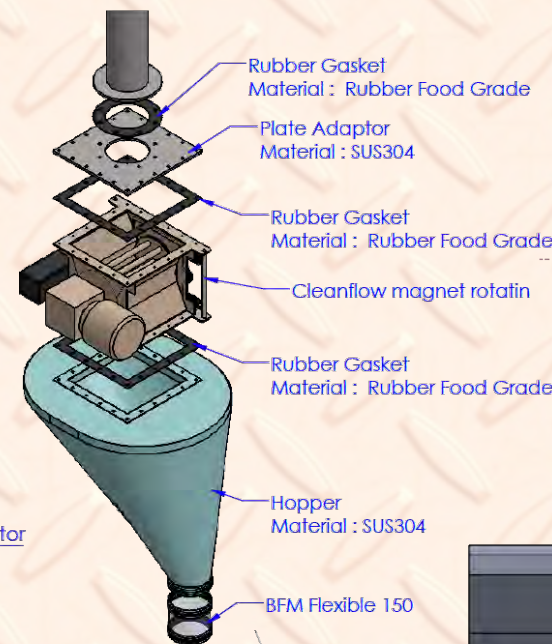
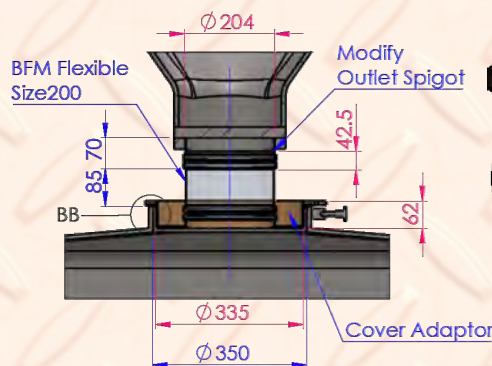
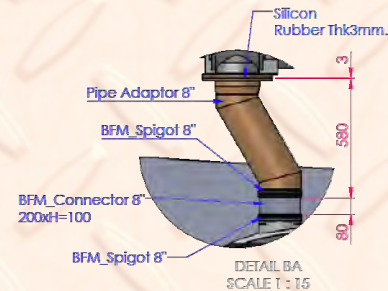
Training
certificate



Job Design Reference for BFM

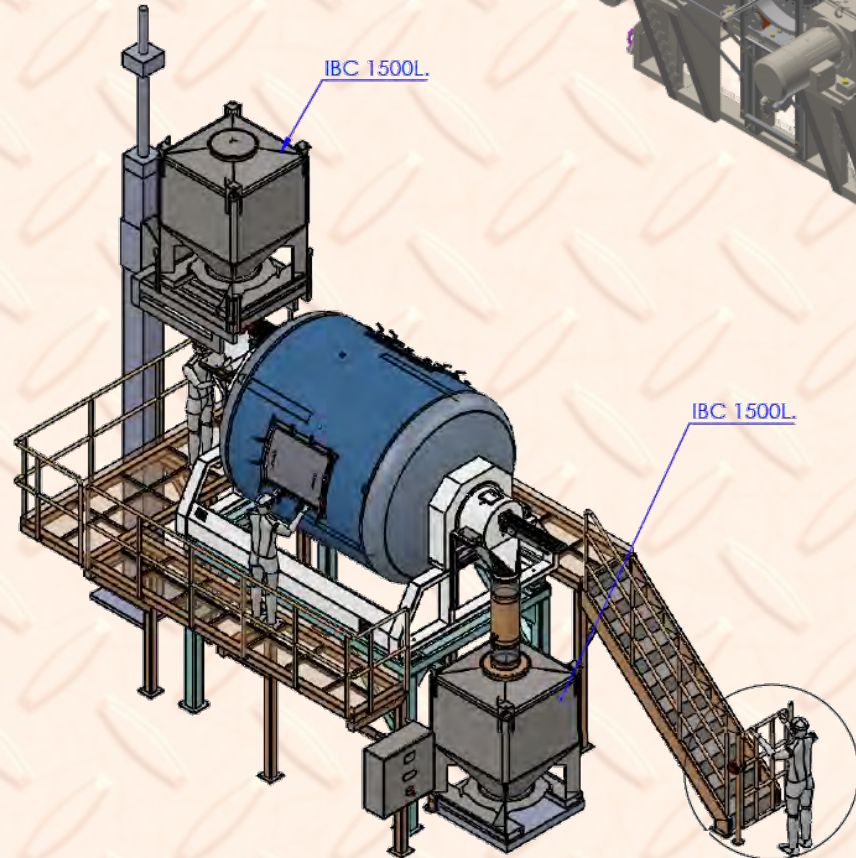
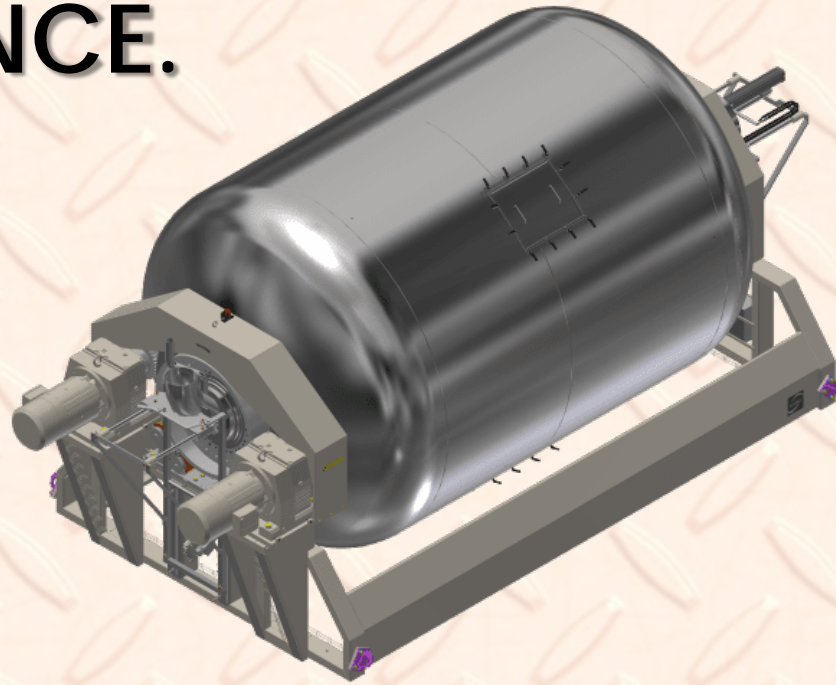


- 100% dust tight seal
- No product build-up, no contamination
- Standard sizes 100-650 mm diameter
- FDA and 3-A hygiene certification
- Ideal for Clean in Place (CIP)
- Certified explosion resistance
- Vacuum resistant



JOB REFERENCE.

Installation Lindor Mixer



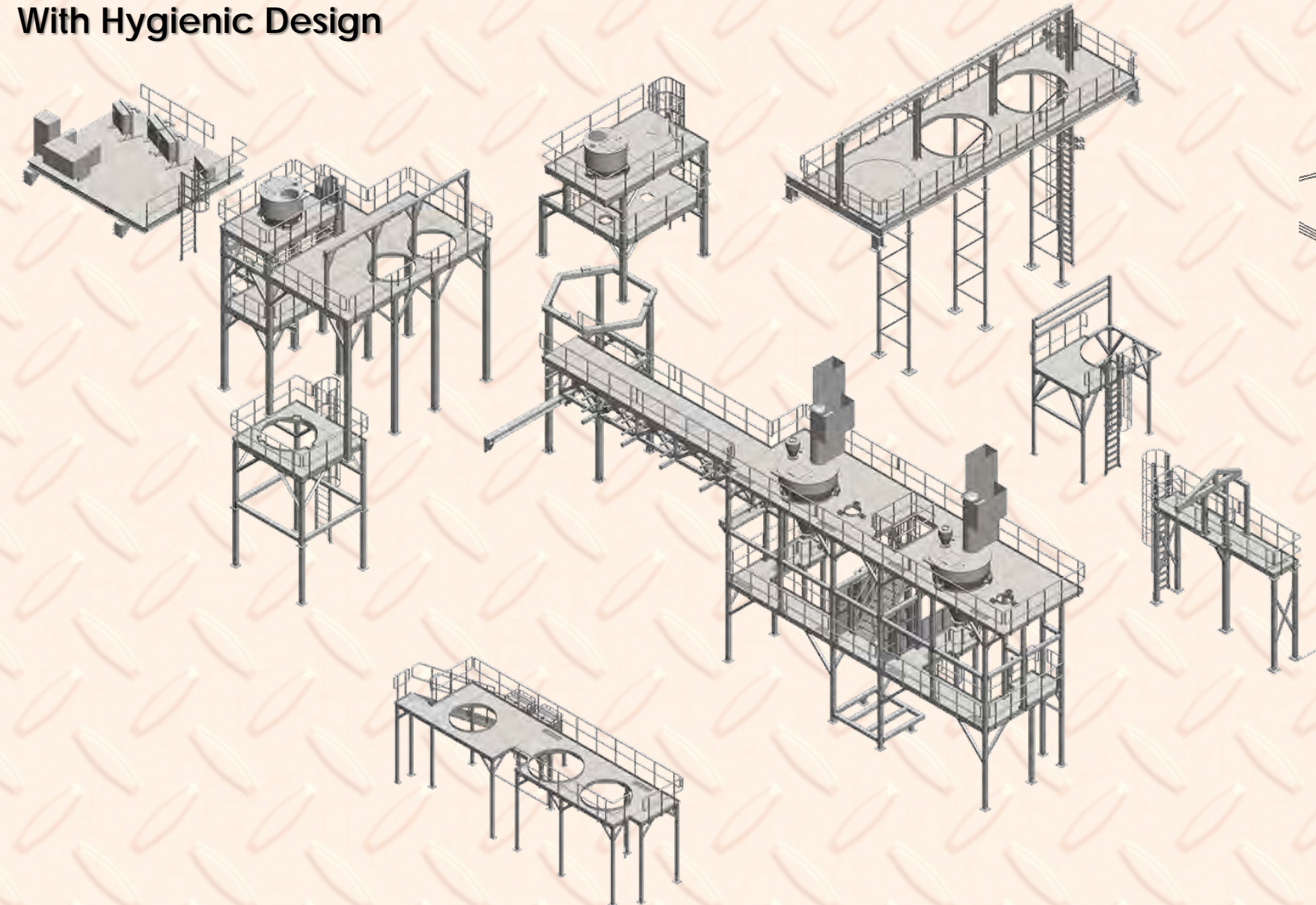
JOB REFERENCE.

Stainless Platform
With Hygienic Design

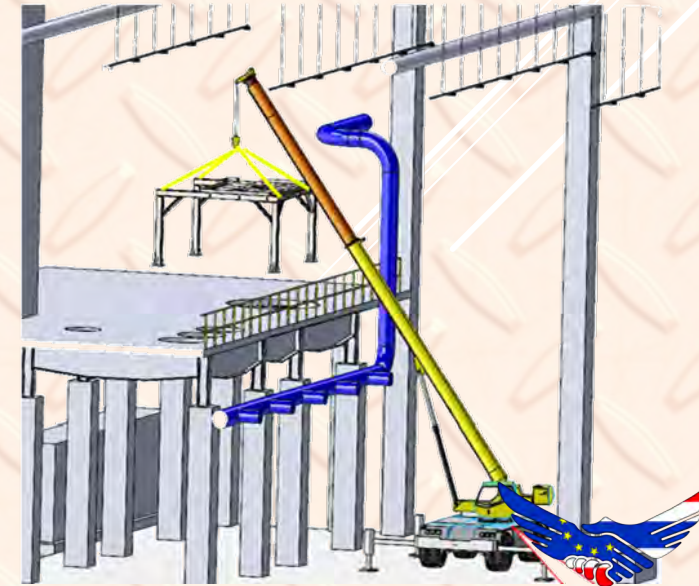
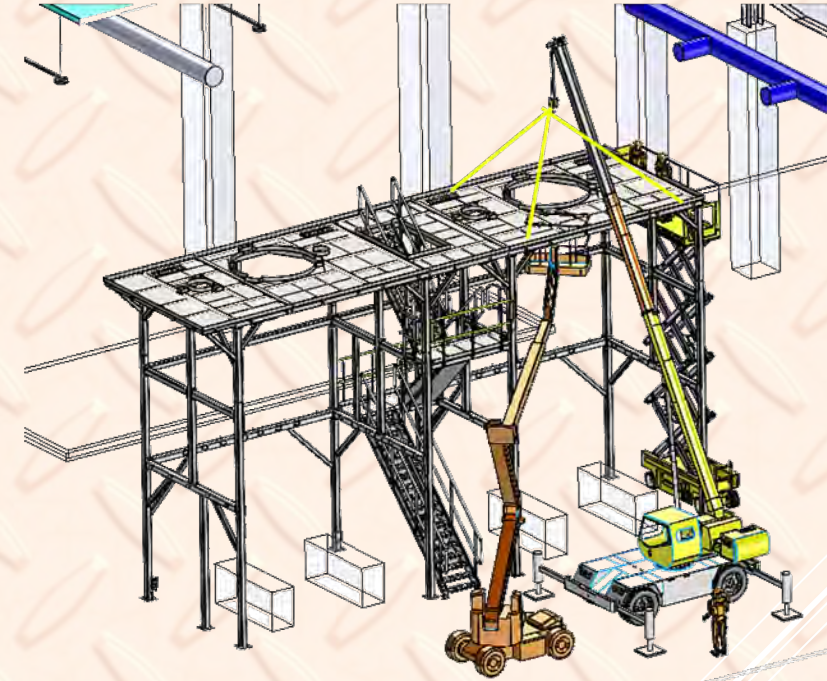


JOB REFERENCE.

**Stainless Platform & Galvanized Steel (Fabrication and Installation.)
With Hygienic Design**

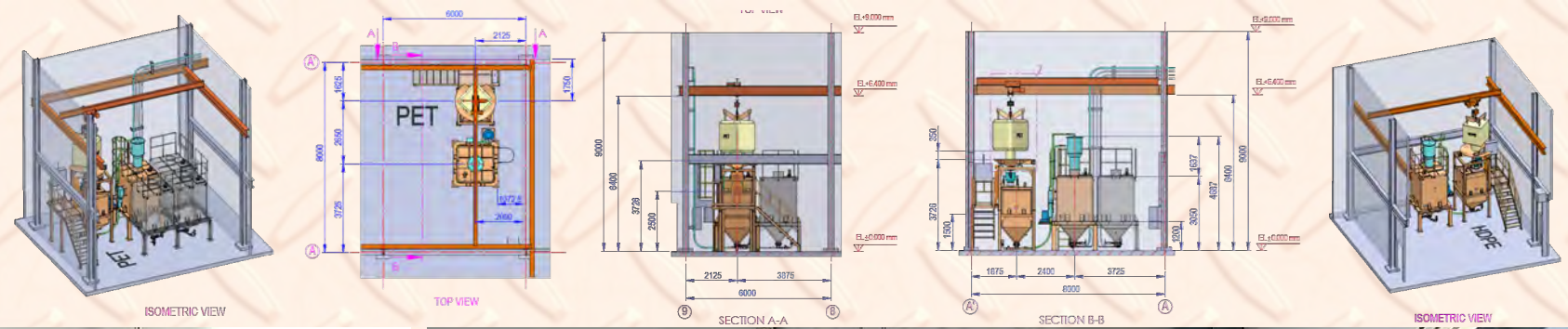


Step of work platform installation



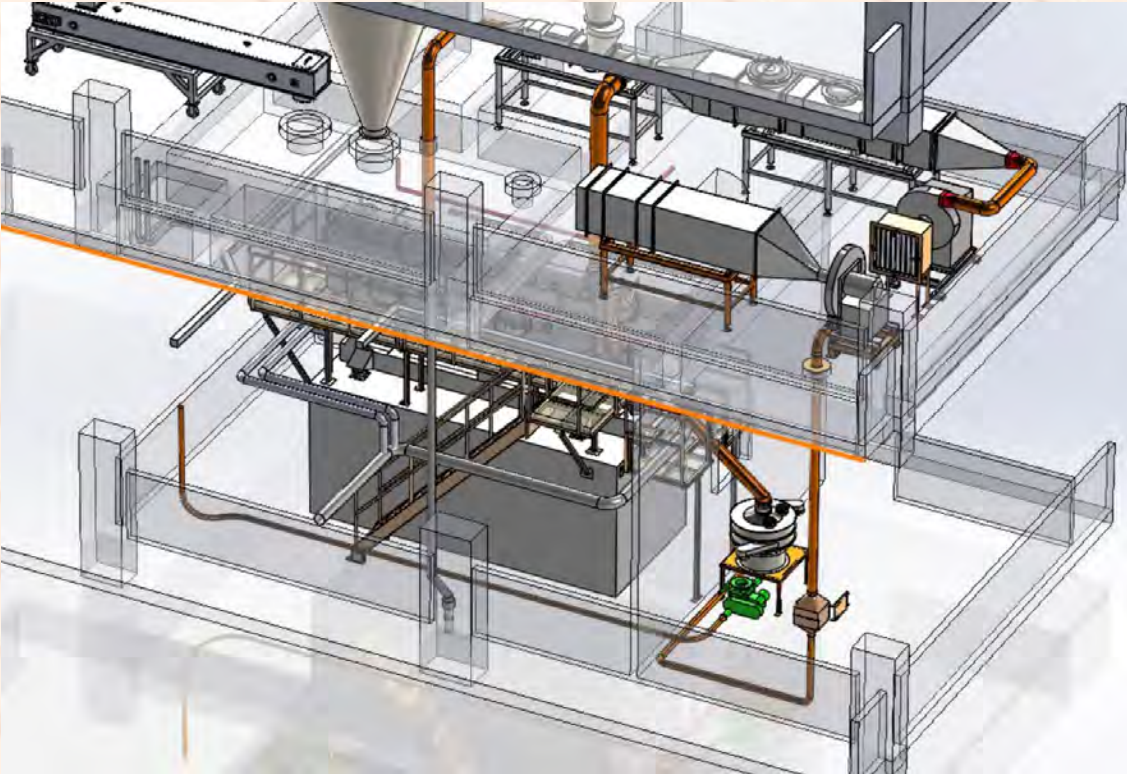
JOB REFERENCE.

Bulk Bag Unloading System



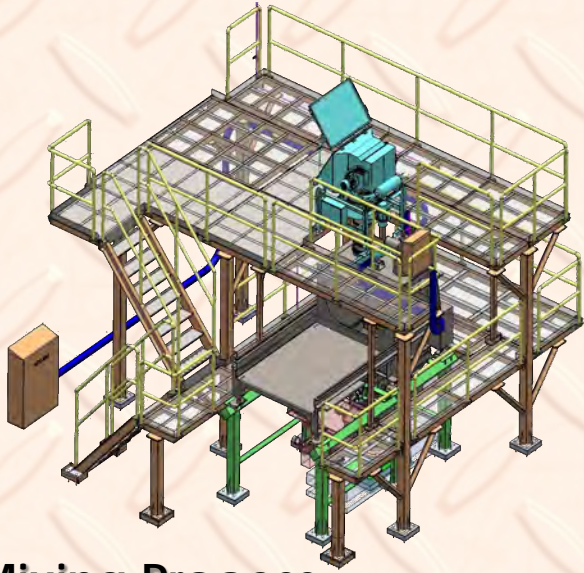
JOB REFERENCE.

Piping Fabrication and Erection Work

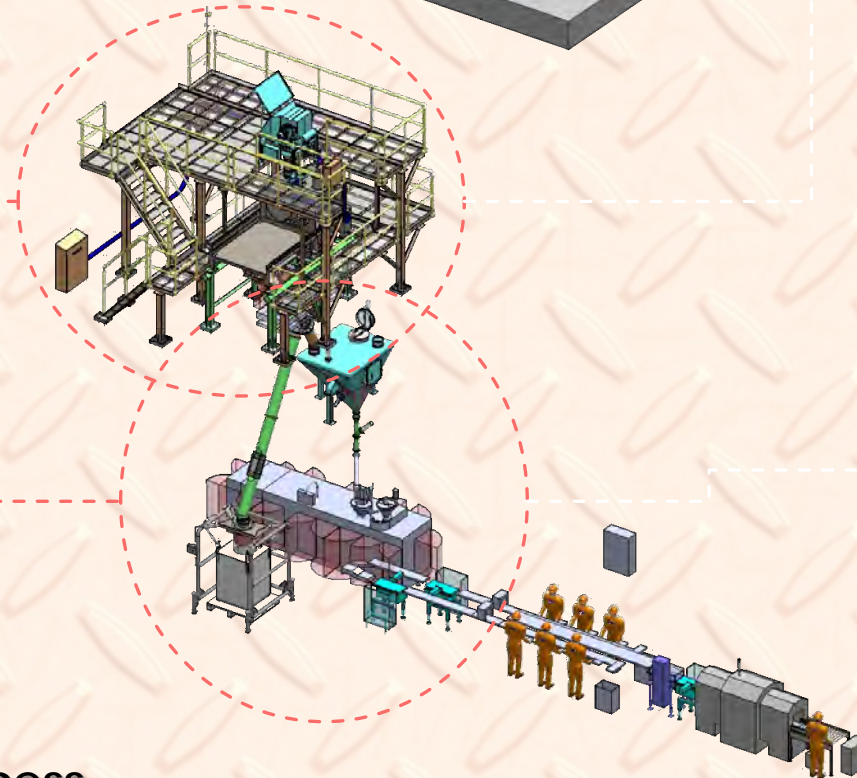
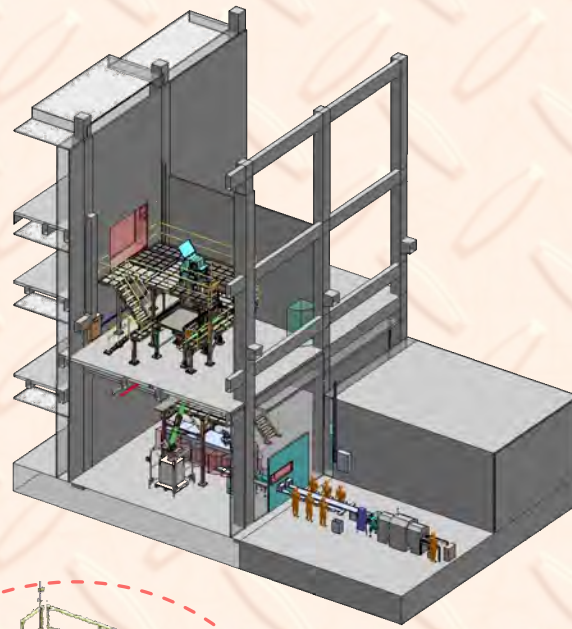


JOB REFERENCE.

Dry Mix – Turnkey Line . 200 Kg / Batch



Mixing Process



Filling Process



FG
farleygreene

DINNISEN
PROCESS TECHNOLOGY

DMN
WESTINGHOUSE



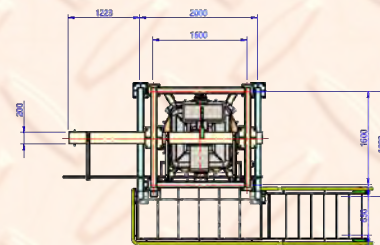
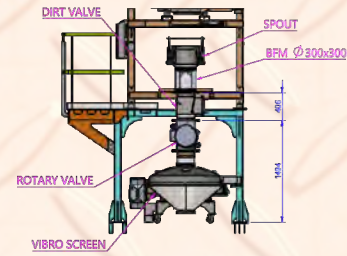
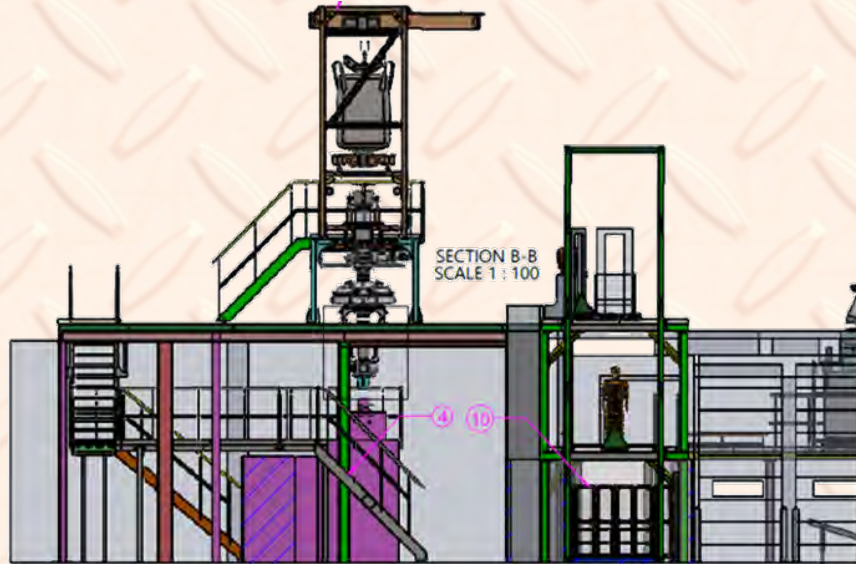
Sachet Packing

ISHIDA



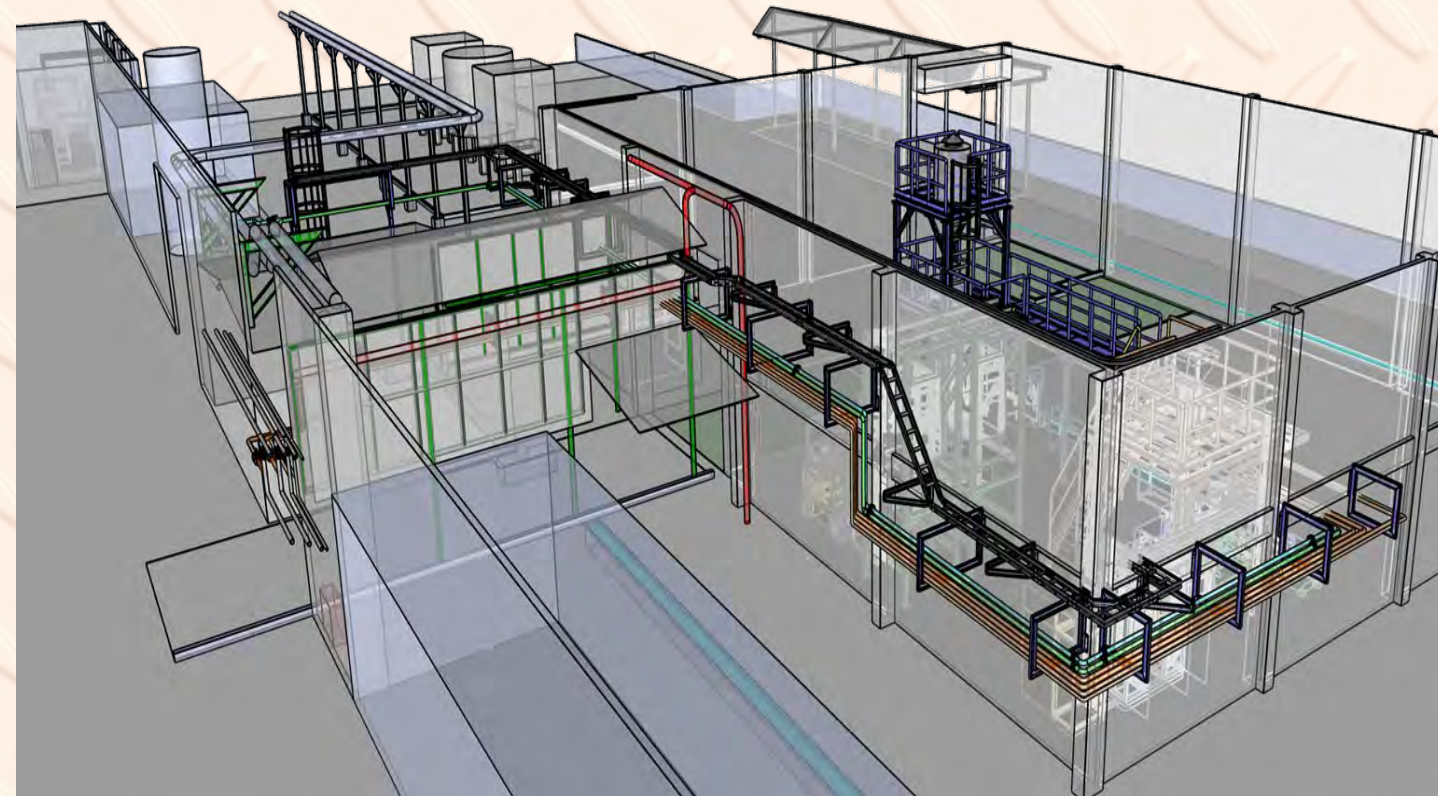
JOB REFERENCE.

Can Line Project



JOB REFERENCE.

Installation Job For
Compounding plastic extrusion lines



JOB REFERENCE.

Big Bag Unloading Station
with Bucket Elevator Transfer System



SUS304
Platform



JOB REFERENCE.

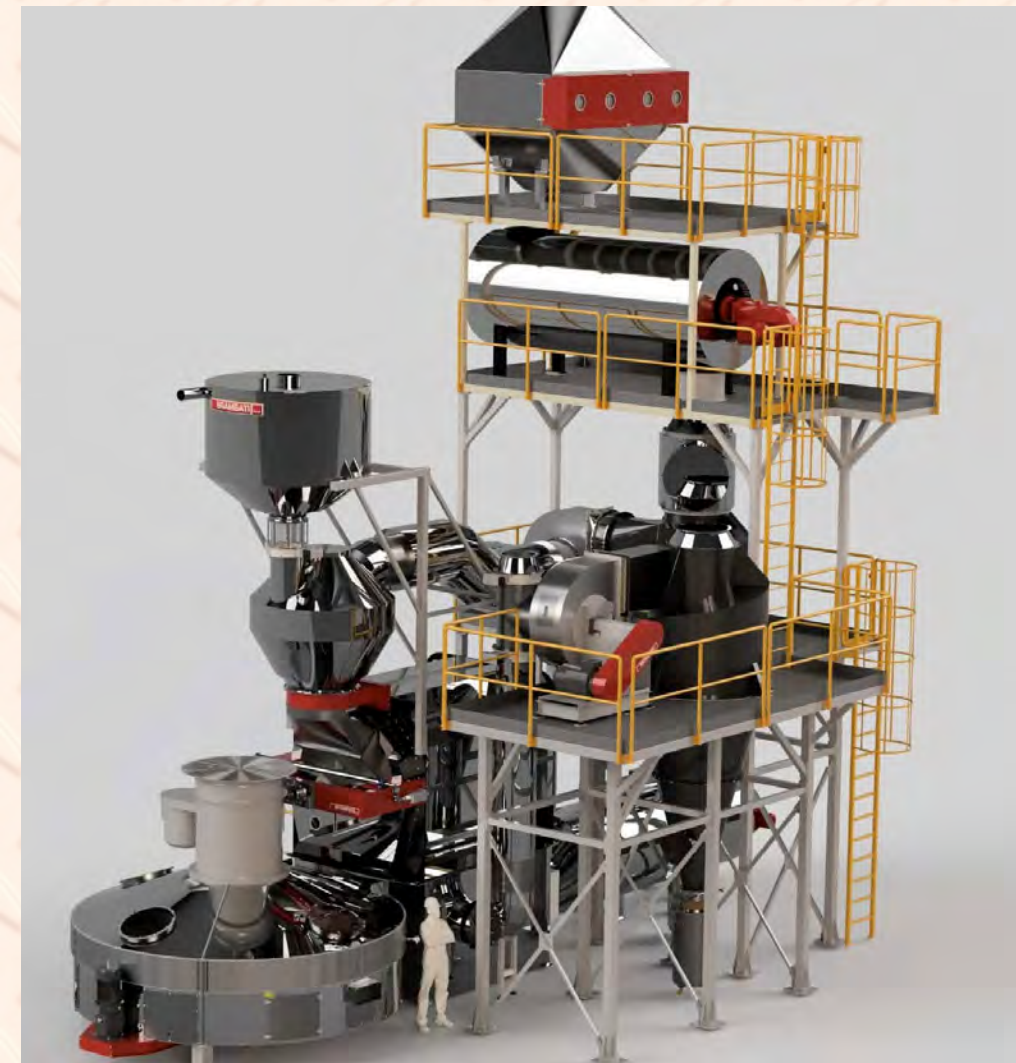
Big Bag Unloading Station
with Roller Conveyor



JOB REFERENCE.

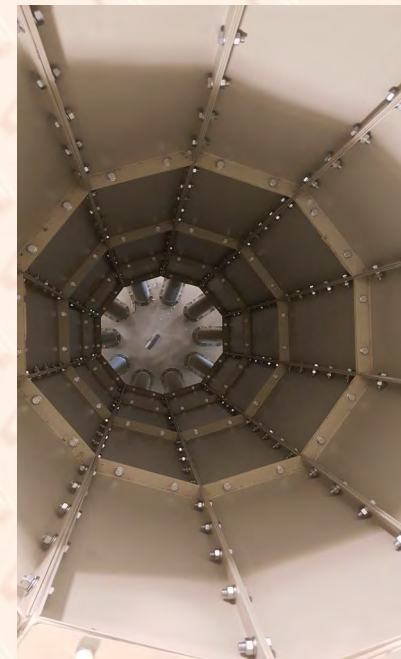
BRAMBATI S.p.A.

BRAMBATI . Design and Supply Main Equipment
INGENIUM . Supply Local Equipment and Installation work for Coffee Plant
ROASTER MOD. BR3600



JOB REFERENCE.

Installation Work for ME
Platform and Structure Frame



Silo 10 Chamber @ 2 Silo

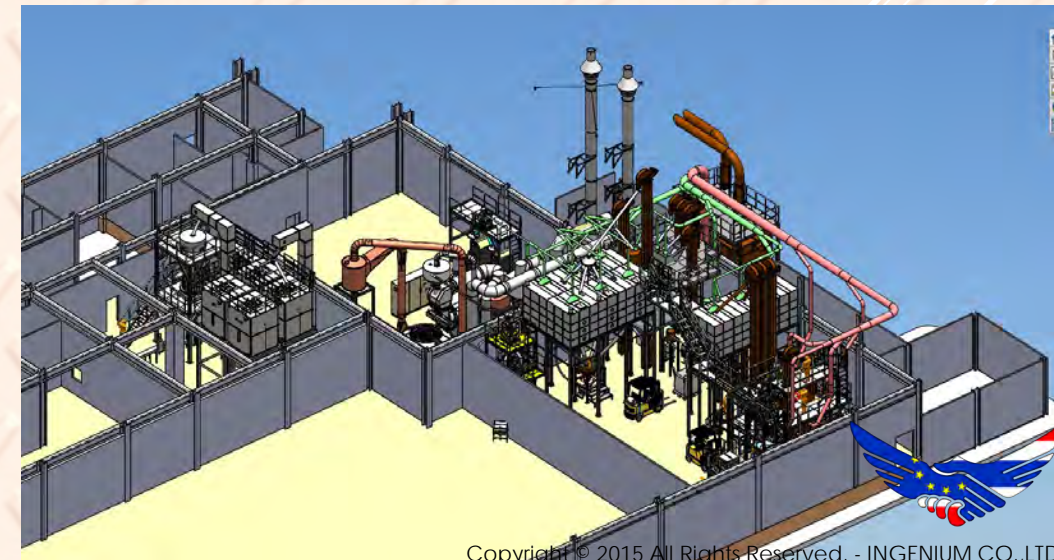
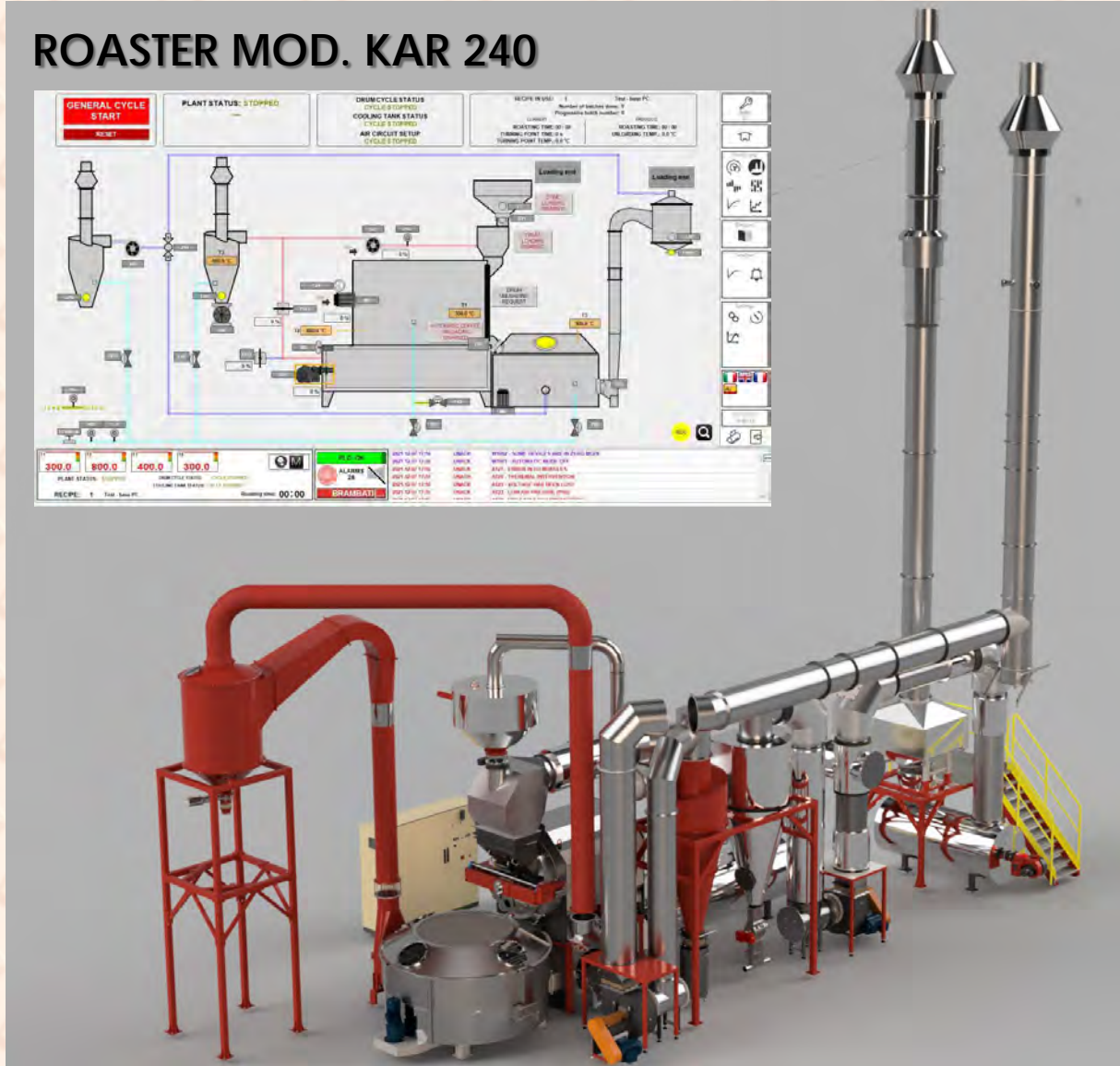
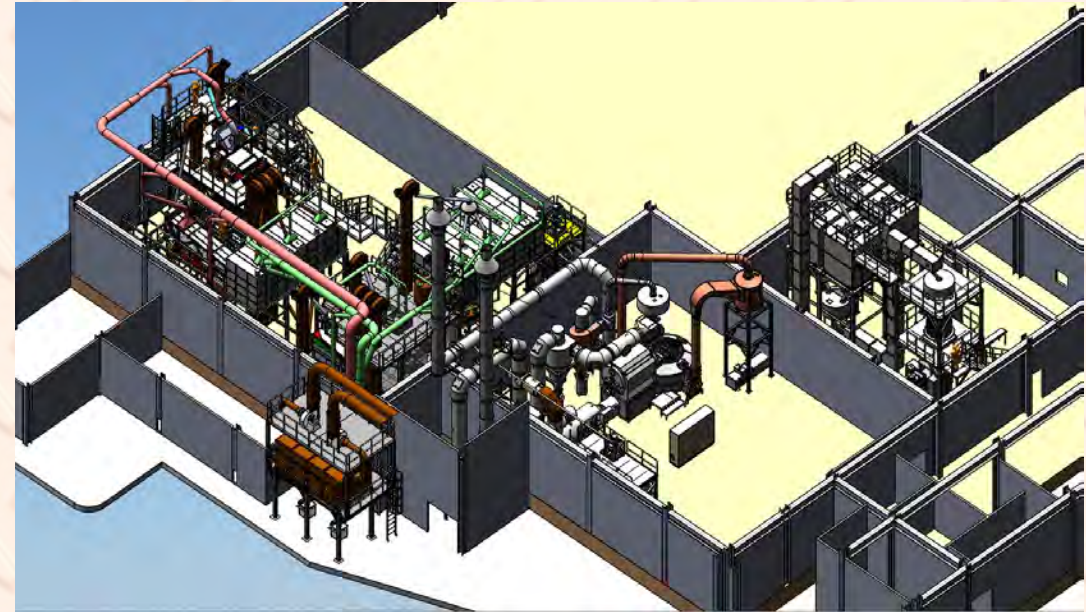
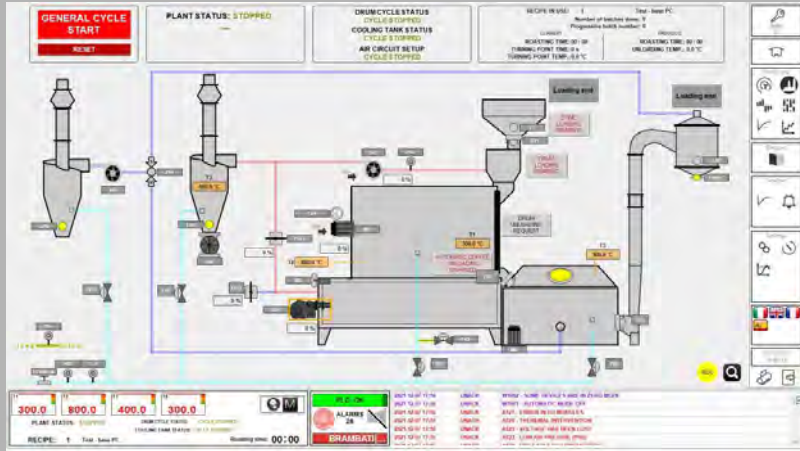
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JOB REFERENCE.

Complete line Coffee Roaster Plant - Installation

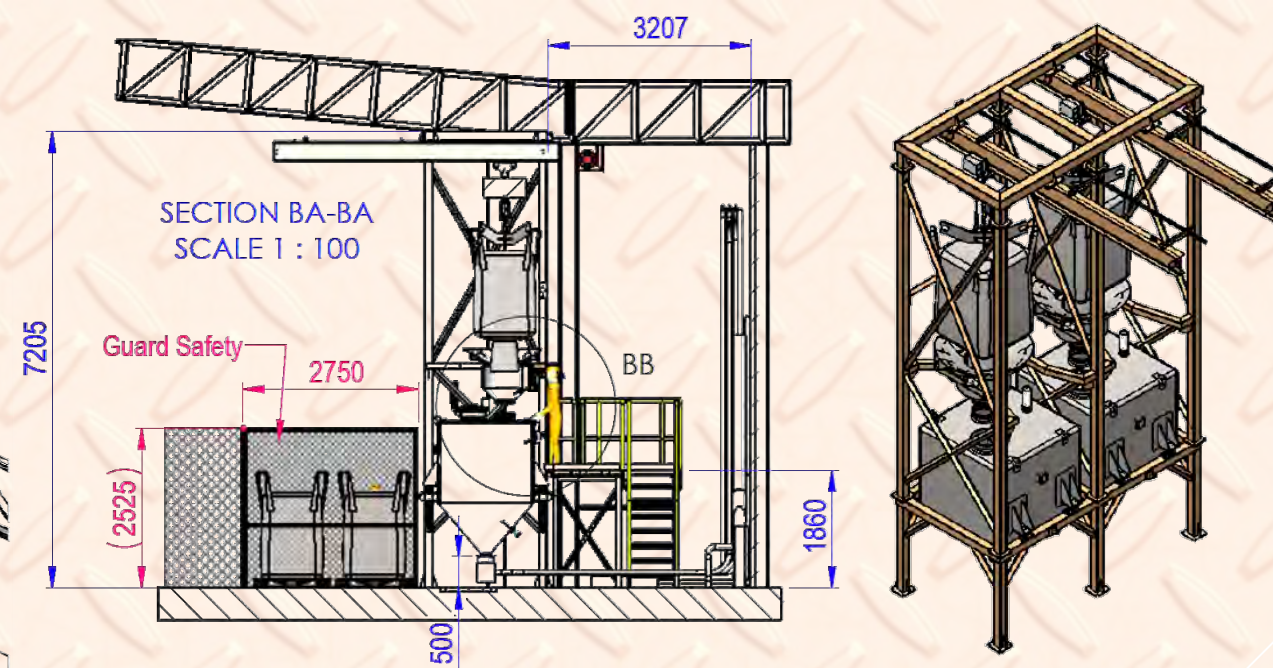
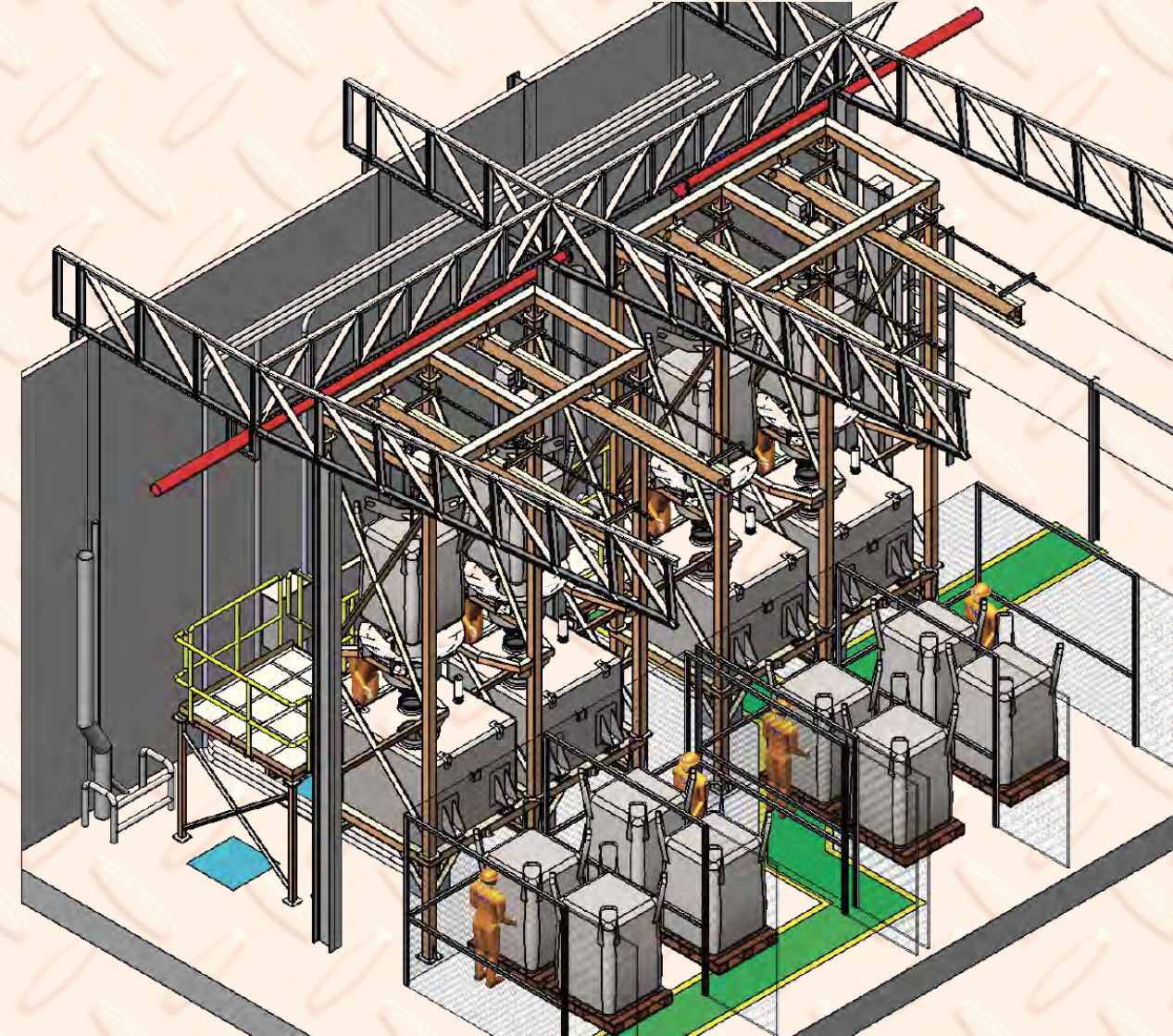
BRAMBATI S.p.A.

ROASTER MOD. KAR 240



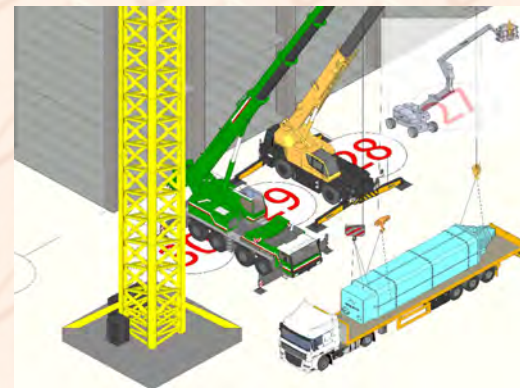
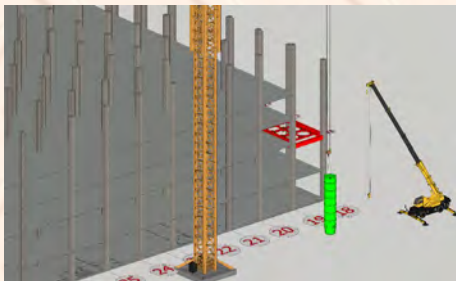
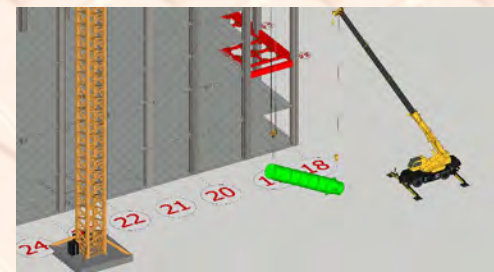
JOB REFERENCE.

Big Bag Station for Bulk Bag



JOB REFERENCE.

Storage Silo Installation Over than 147 Silo



Square Silo Installation Work

METHOD OF STATEMENT of....Silo lifting & Installation

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JOB REFERENCE.

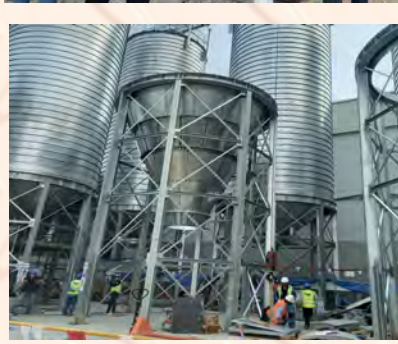
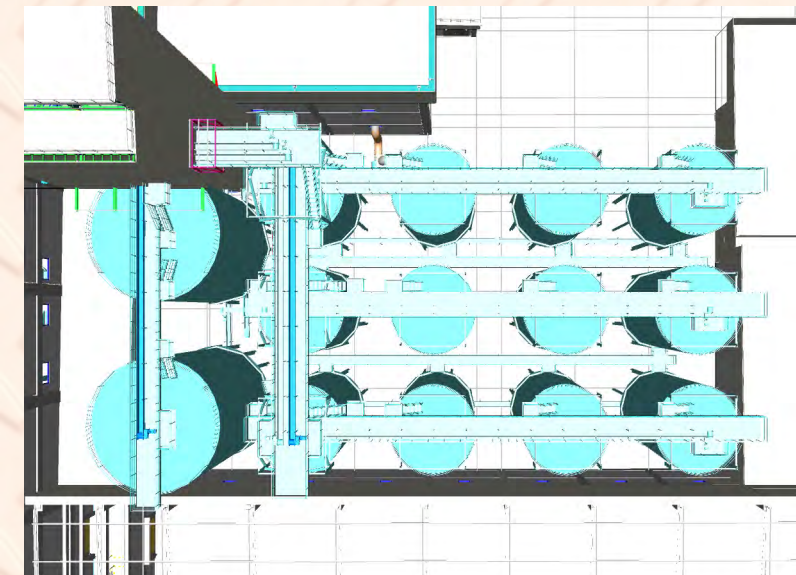
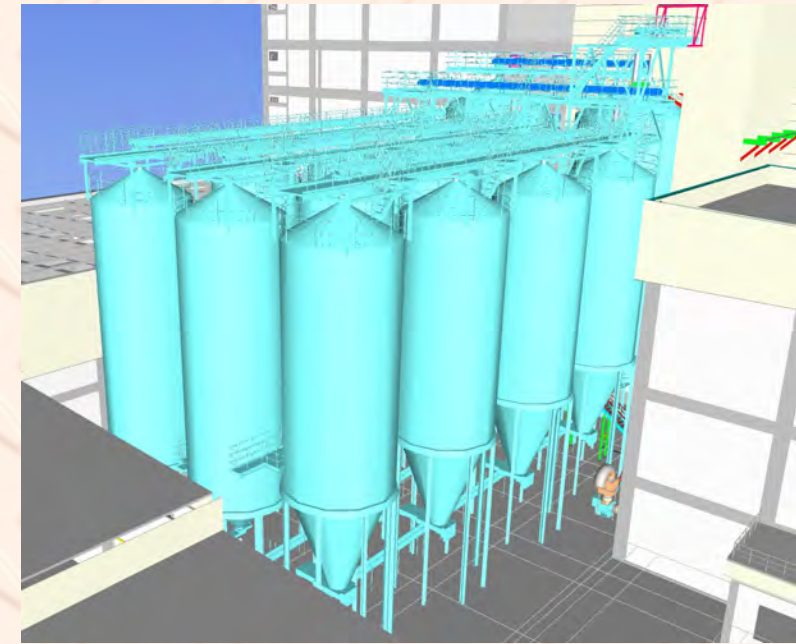
- External LIPP Silo and Flat Silo Installation

BUHLER



储丰钢板仓

CFSILO

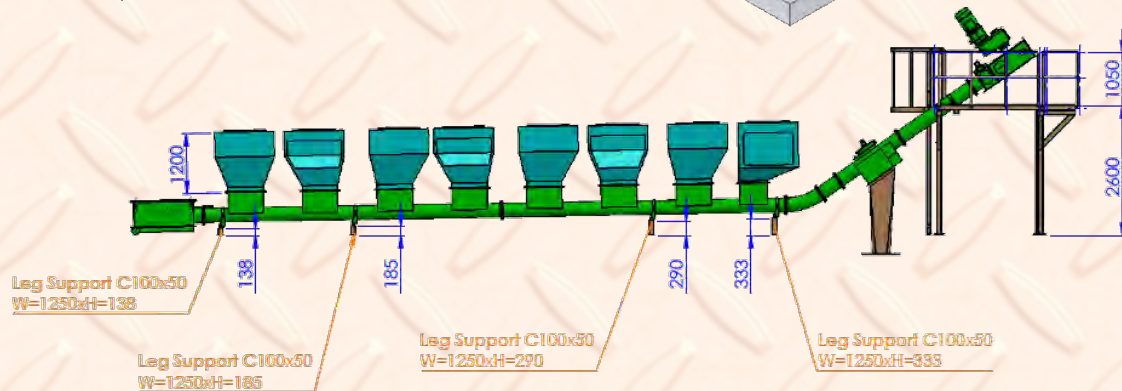


JOB REFERENCE.

Schrage

CONVEYING SYSTEMS

Installation Chain Tube Conveyor for PET Food (20 Ton / Hr.)



3D Equipment Drawing



Move Existing Equipment out



Installation Job



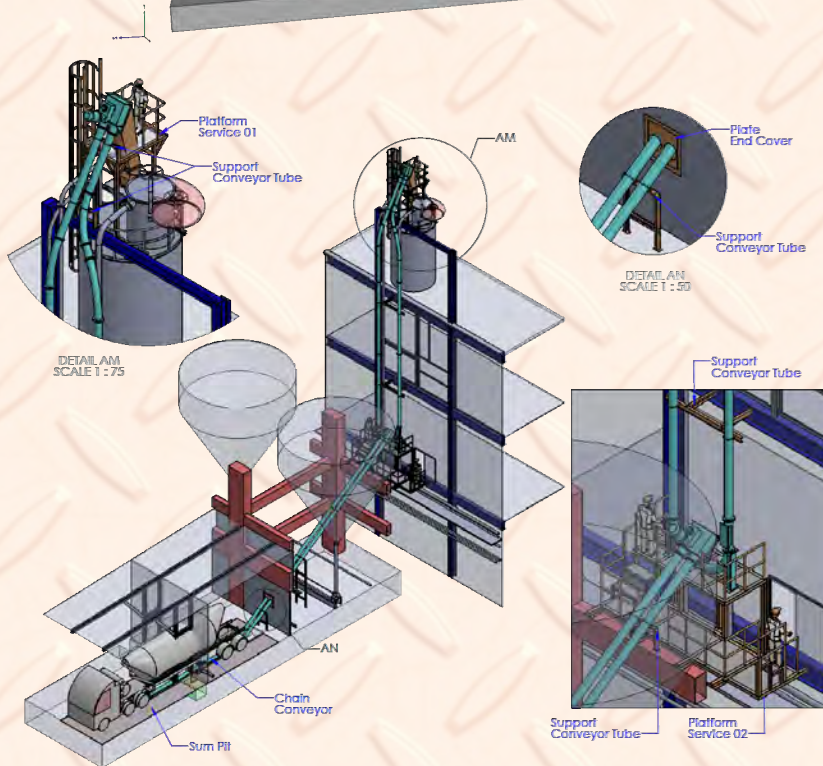
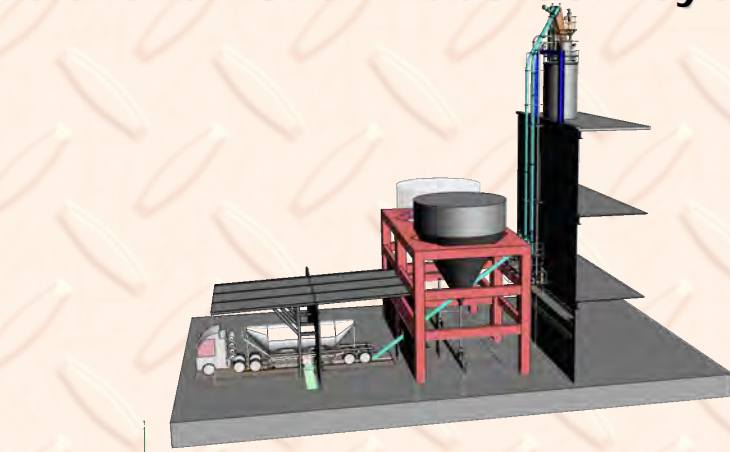
Up-Packing and Check



JOB REFERENCE.

Installation Chain Tube Conveyor for PTA Powder (30 Ton / Hr.)

Schrage
CONVEYING SYSTEMS



Un loading – Un Packing
&
Installation Work

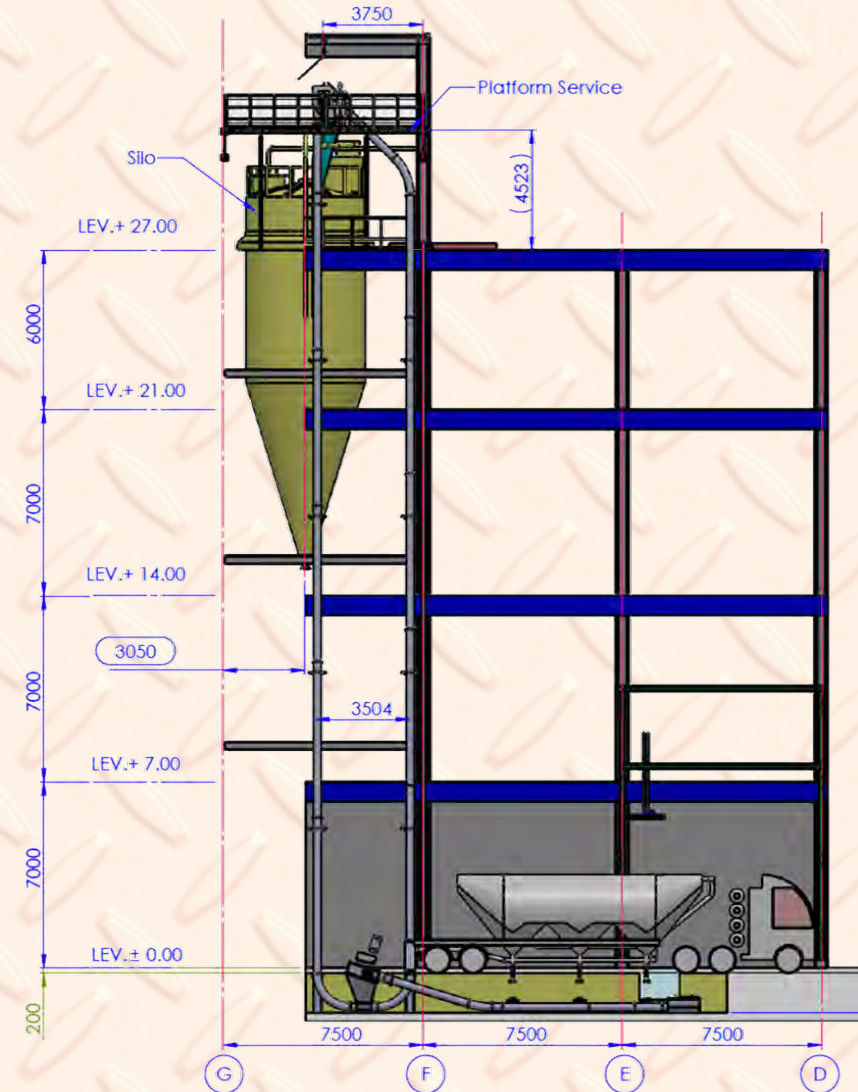


3D Equipment Drawing

JOB REFERENCE.

Schrage
CONVEYING SYSTEMS

Installation Chain Tube Conveyor for PTA Powder (35 Ton / Hr.)



3D Equipment Drawing

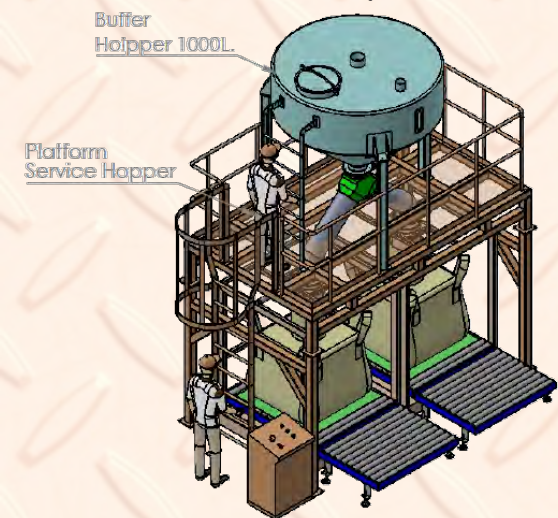
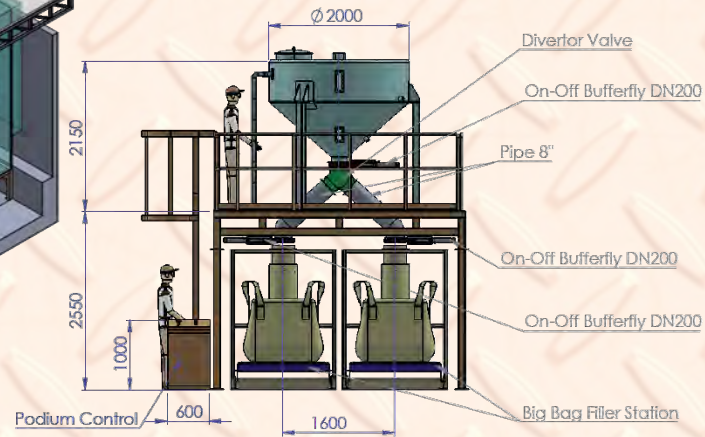
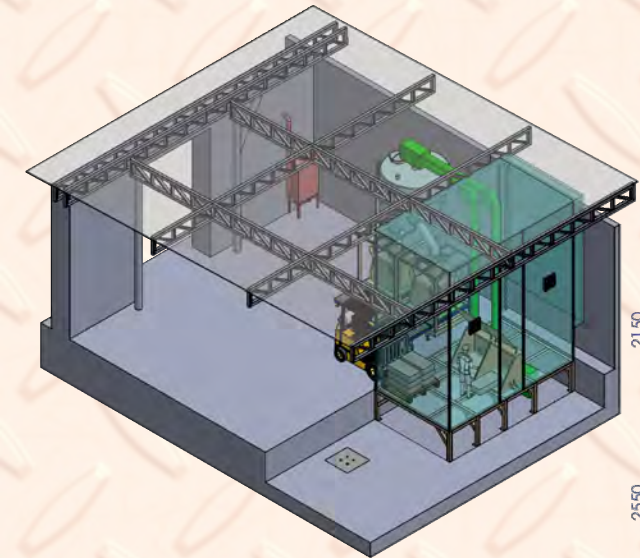


Installation Work



JOB REFERENCE.

Big Bag Filler with weight scale.
Batching Control Accuracy $\pm 0.3-0.5\%$



Tipping Station



Installation Job



JOB REFERENCE.



บริษัท เบ้ลท แอนด์ แบร์ริงส์ จำกัด
Belt And Bearings Co., Ltd.

Belt and Bearings Co.,Ltd . Supply Main
Ingenium Co.,Ltd . Support for Installation work.



Un-loading Job



Installation Job

JOB REFERENCE.

Belt and Bearings Co.,Ltd . Supply Main
Ingenium Co.,Ltd . Support for Installation work.



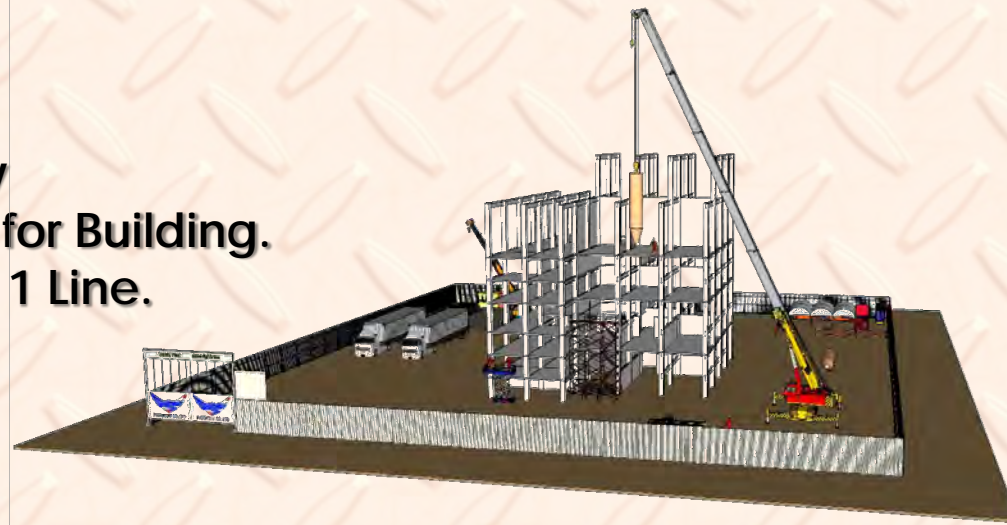
Complete Installation Job

JOB REFERENCE.

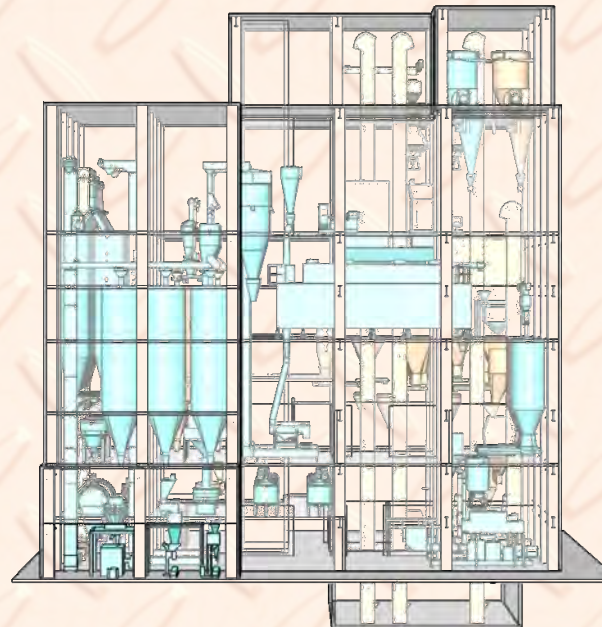
Installation for Animal Feed Factory

- Installation Steel Structure Frame for Building.
 - Installation for PET Food Machine 1 Line.
- Complete with.-

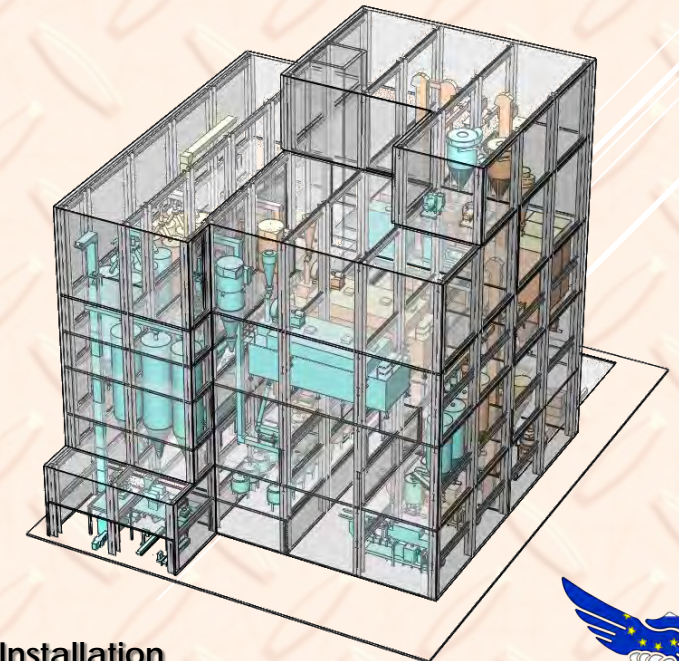
- ✓ Raw Material Receiving
- ✓ Batching System
- ✓ Mixing System
- ✓ Grinding System
- ✓ Pulverizer System
- ✓ 2nd Mixing System
- ✓ Extrusion system
- ✓ Drying System
- ✓ Liquid Coating & Cooling System
- ✓ Finish Products System
- ✓ Packaging System
- ✓ Liquid Adding System
- ✓ Electrical Control System



Steel Structure Installation



Equipment Installation

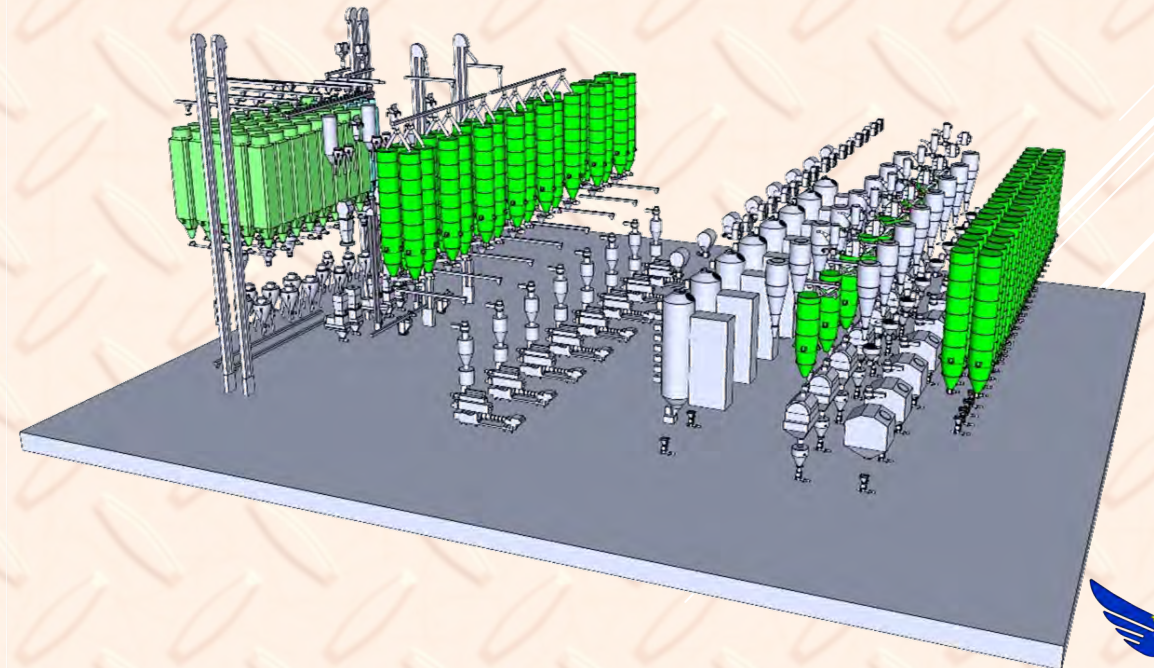
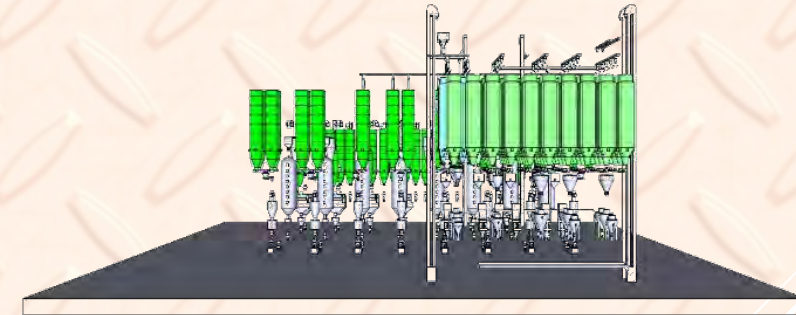
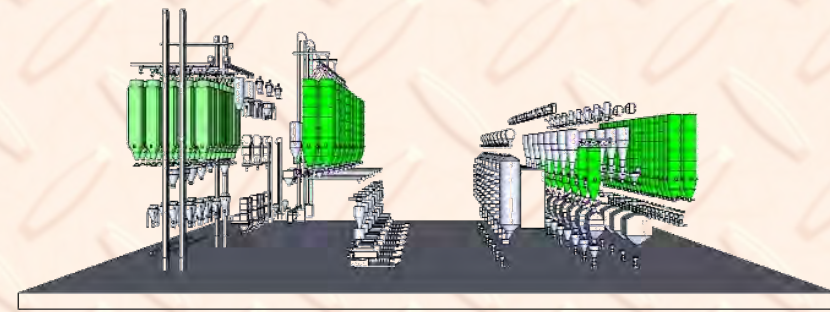


JOB REFERENCE.

Installation for PET Food Factory

- Installation Main Machine for PET Food Machine 5 Line.
Complete with.-

- ✓ Unloading machine to storage area(Over 300 Container)
- ✓ Raw Material Receiving
 - External LIPP Silo Dia 8 m. x H18 m. (1000 m3) @ 2 Unit
 - External LIPP Silo Dia 5.5 m. x H12 m. (350m3) @ 7 Unit
 - External Flat Silo Dia 5.5 m. x H12 m. (350m3) @ 5 Unit
- ✓ All Silo and Dia 2 m. x H12 m. Bin @ 147 Unit
- ✓ All Bucket Elevator
- ✓ Batching System
- ✓ Mixing System
- ✓ Grinding System
- ✓ Pulverizer System
- ✓ Extrusion System
- ✓ Drying System
- ✓ Coating System
- ✓ Finish Products Bin
- ✓ Platform and Support
- ✓ Piping for Pneumatic Transfer



JOB REFERENCE.

Un-loading and Un-Packing and Move to Storage area

The maximum number of containers in 1 unloading job is 300 containers.



Complete Progress report Unloading

Ingenium Co.,Ltd
25/28 Moo 4 T. Bang Phai A. Phang
Nonthaburi, 11000 Thailand
Tel/Fax: 02-117-4609
www.ingenium.co.th



Ingenium Co.,Ltd
25/28 Moo 4 T. Bang Phai A. Phang
Nonthaburi, 11000 Thailand
Tel/Fax: 02-117-4609
www.ingenium.co.th



Complete Progress report Unloading Buhler

Project Name: 1 PGR Design Mechanical Installation
Client Name: 1 Perfect companion Group Co., Ltd
Subject: 1 Unloading machine at warehouse (Project)
Title: 1 Progress Report

Date: 1 11/01/2023
Location: 1 Rayong
Written By: 1

NO	Work plan	Progress (previous)	Progress (current)	Detail
1	Unloading	0%	100%	407 Containers unloading 1 Containers

Pre Job and RVT activity before start working.

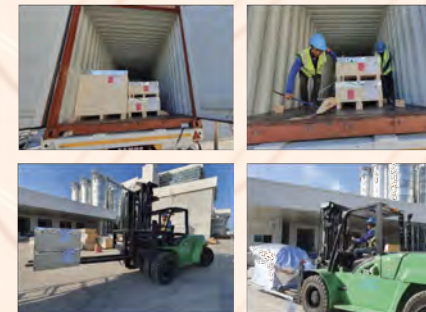


PROFESSIONAL INSTALLATION SERVICE
Page 1 of 9

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Nonthaburi, 11000 Thailand
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Unloading.



PROFESSIONAL INSTALLATION SERVICE
Page 3 of 10

Container 1, J Container NO. KDCU193370
Seal No. 20 1201104
Track registration: P4-7900 sang
Time: 8:00 - 9:00 am.
Date: 01/11/2023
Open container



PROFESSIONAL INSTALLATION SERVICE
Page 2 of 10

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Nonthaburi, 11000 Thailand
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Clear empty Clean the door containers.



PROFESSIONAL INSTALLATION SERVICE
Page 4 of 10

JOB REFERENCE.

Our panel are designed and program by people who understand panel, ever to operate the system and maintenance the panel. Since we also support our and other vendors products.



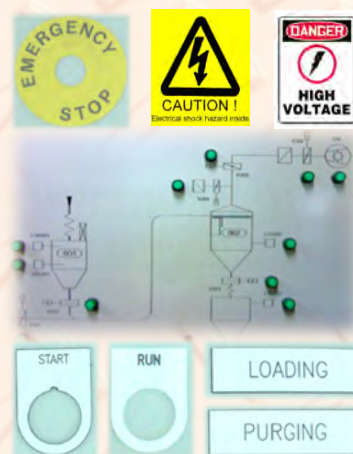
Electrical Drawing



Control With AB PLC



Control With S7-300 PLC



Mimic Diagram & Nameplate



Electrical with
Pneumatic Control



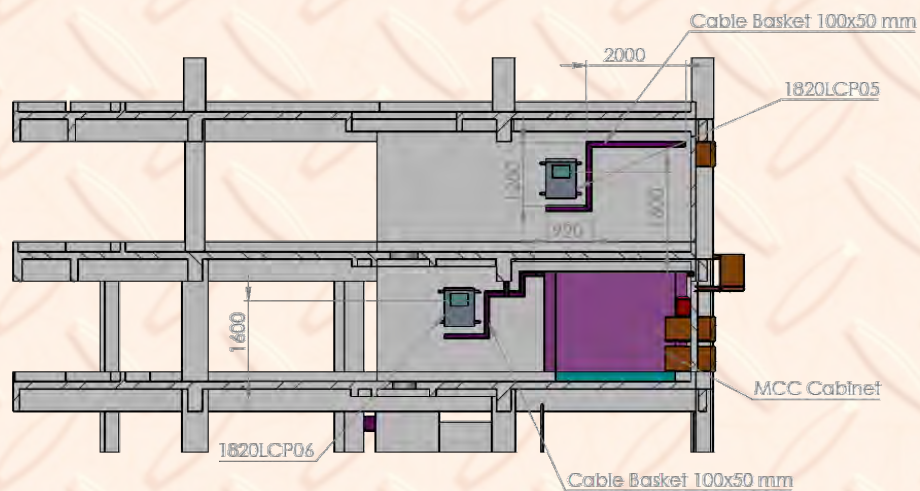
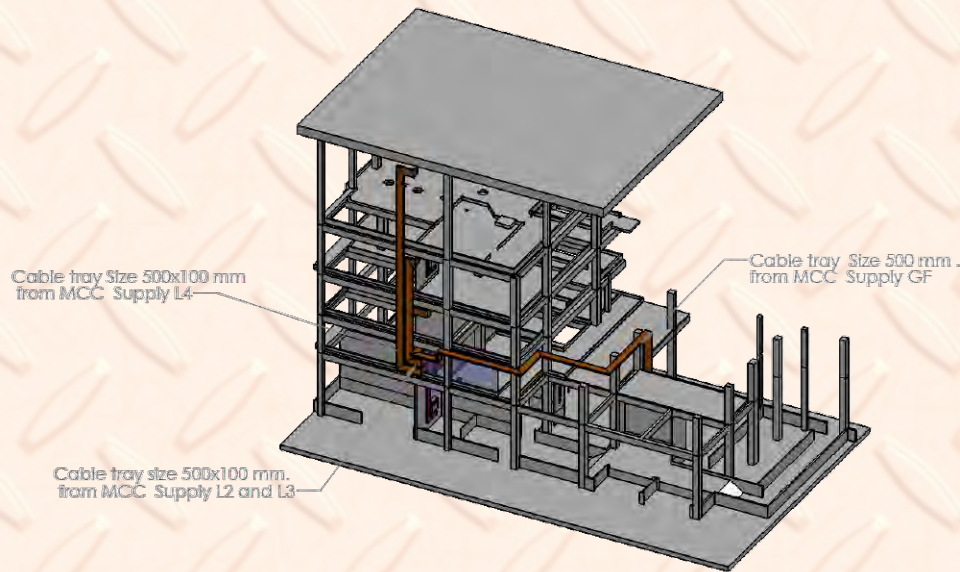
Machine Safety Control



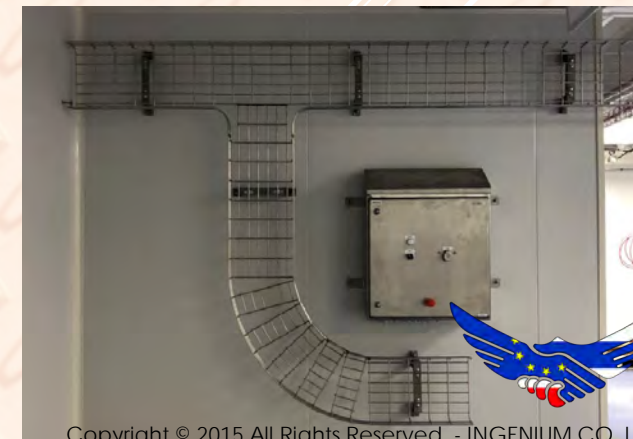
JOB REFERENCE.



Main Equipment . Dinnissen Process Technology
Ingenium . Supply Electrical Component and Installation Work

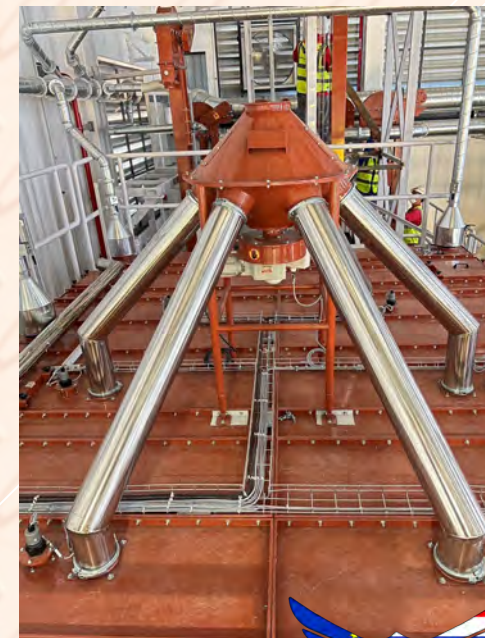
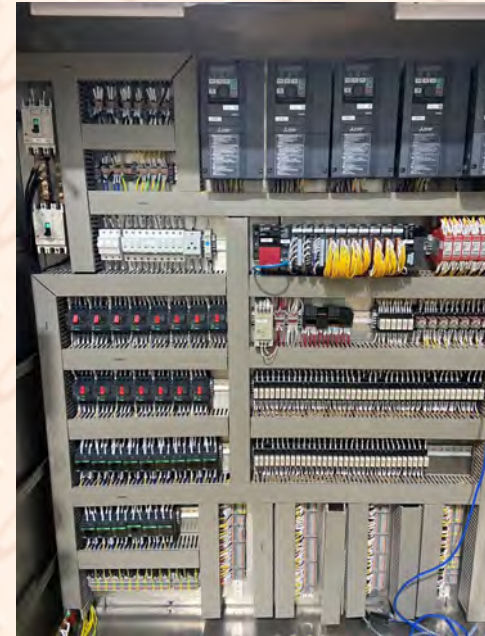
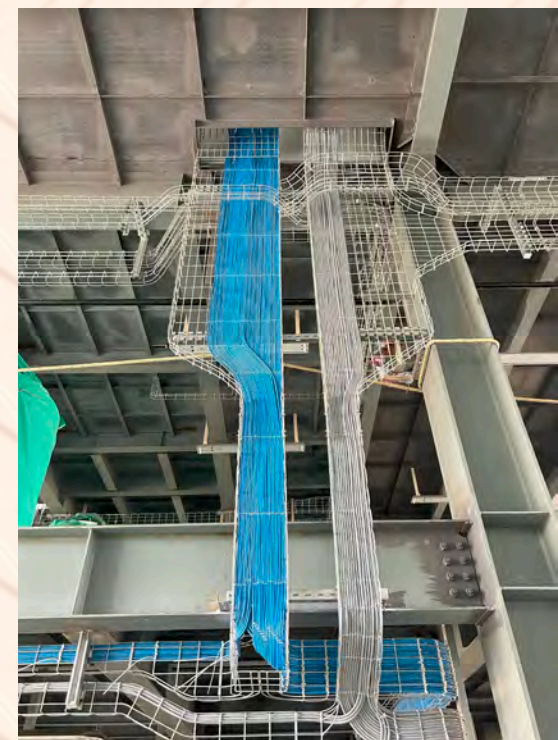


3D Cable Routing Layout Drawing



JOB REFERENCE.

Electrical Installation Work.



EXHIBITION OF INGENIUM

PROPAK
ASIA

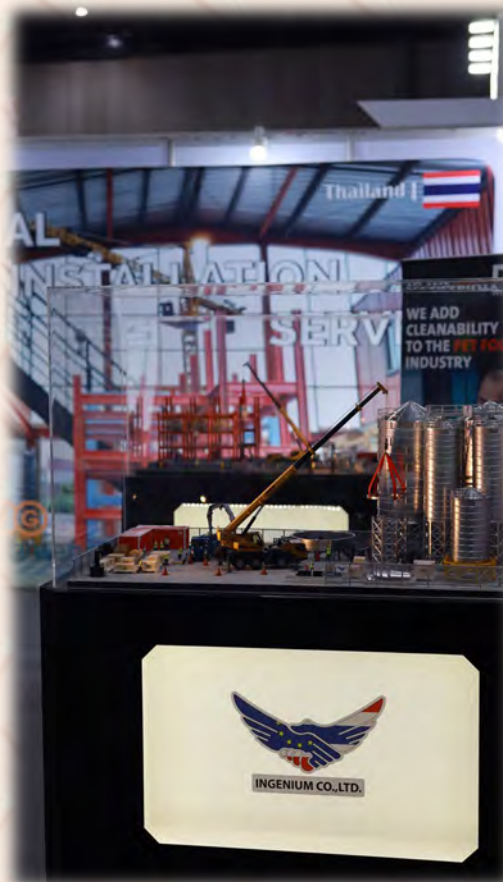
VICTAM
Asia

CREATOPS
FIELD OFFICE



VIV ASIA BANGKOK, THAILAND

THAILAND
COFFEE
FEST



CORPORATE SOCIAL RESPONSIBILITY (CSR)





Thank You

