



PT.GUNUNG SARI MULIA

# Company Profile



Giving High Priority  
to Serve Customer

[www.gunungsarimulia.co.id](http://www.gunungsarimulia.co.id)

# INTRODUCTION



Rapid technological process has resulted in A trend towards higher grade. More diversified and Energy-saving facilities in all area of industry. FRP Engineering Products and Lining technology system Demonstrate all the required qualities, Aptly meets the high Grade needs for preventing corrosion And is used extensively In all areas of industry.

the modernly equipped industries, machines And appliances are working smoothly and Continuously. To achieve these Operations, the bases Of the above equipment should be firm and stable.

Various chemical plants, such as manufacturing plants of fertilizer, Caustic soda, paper, pulp, synthetic fibers, foods, sugar, metal Refining plants and various electrolysis plants, have using Conventional resistant cements and asphalts for their structure, Floors, drain ducts, machinery bases and various tanks.

This conventional resistant are likely to the damage quite quickly Beyond our expectations through the vibrations prevailing in the Plant site and the attacks of various chemical, especially organic And inorganic acids, salts, oils, greases and chemical containing Waste liquids. Considering these cases we recommend all Industries use lining technology system to solve the problem.

To support totally your industrial plant from the corrosion Resistance control, FRP product equipments would be the best Solution and with our technology and experience we would be One of your best partner as specialist in anti corrosion material, Products and services.



## BRIEF COMPANY PROFILE



PT. Gunung Sari Mulia is a manufacture company which specialist in Anti corrosion materials, products and services for industrial corrosion Control sector. The company's business are in the area of fabrication, installation, servicing, and maintenance.

## THE KEY

For the lowest cost, long term solutions to many industries corrosion problems, considered FRP Equipment fabricated with the right selective of Material and suitable the design for the purpose.

## VISION

To be the industry leader  
In polymer composites most  
Admired for its service, solutions  
And people in line with our core values.

## MISSION

Maximize value for our customers, employees, shareholders, partners and community by strategically delivering a broad portfolio of technical solutions while maintaining our core values.





# HDPE *INSTALL* Onshore & Offshore

PT Gunungsari mulia Born from a personal experience focusing to grow with HDPE contractors customers, supply quality work and maintain a flexible structure to respond for local and global market needs and suggest the best solutions. Strongly the team that we have, we allow customers to increase the cost efficiency of using HDPE ingredients

## Piping Constructions

HDPE and Steel pipes installation for:

1. Mining and Mineral Processing
2. Industrial and Mechanical System
3. Water and Wastewater Infrastructure



## FRP ADVANTAGES

Design flexibility  
Superior corrosion resistance  
High strength to weight ratio  
Reduced maintenance costs  
Easily installed  
Weather ability, UV stability and fire Retardant  
No product contamination  
Easy to clean  
Abrasion and osmosis resistance  
Excellent heat insulating properties  
Cost effective solution of numerous corrosion problems  
Transparency can be given to FRP  
Attractive in appearance

## *Scrubbing*

Scrubber  
Seal pot  
Fume Stack

## FRP PRODUCTS

### *Tank*

Storage Tank  
Cylindrical Tanks  
Square Tanks ( Clarifier Tank,)  
Panel Tanks  
Transportation Tank  
Cylinder Ellipse Road Tanks  
Tank Trucks and Container Tanks  
Rectangular Tanks  
Tank Trucks  
Processing Tank for : Agitator Tanks, Square Tanks  
Constant Temperature Tank  
Using Jacket Type Heat Insulator  
Using Heating Coil

### *Pipes*

Ducts for the type of : - Cylindrical Ducts and Square Ducts  
Pipes for the type of : - Straight FRP Pipes  
PP, PE, PVC, PVC Pipe + FRP Reinforced, Fittings and Joint

### *Linings*

Concrete Lining Works  
FRP Lining Work

### *Other*

FRP Toilet modular  
System Extended Aeration  
FRP Tube Settler / Honeycomb

FRP Cover Motor  
FRP Roof Light Sheet  
FRP Septic Tank



## WHY TO CHOOSE PT.GUNUNG SARI MULIA AS YOUR PARTNER ?

1. FULLY COMMITTED AND CONSIDERED TO QUALITY
2. CUSTOMER SATISFACTION ORIENTED
3. SKILLED AND QUALIFIED EMPLOYEES AS COMPANY ASSETS
4. QUALITY MANAGEMENT SYSTEM AND THE PROCEDURE APPLICATION
5. HIGH STANDARD OF QUALITY CONTROL
6. RIGHT DOWN THE LINE AND RECORD FROM DESIGN, PROCESS MANUFACTURING, INSPECTION UNTIL FINISH PRODUCT AND DELIVERY
7. RELIABLE SERVICE AT THE LOWEST COST
8. INDEPENDENT PERFORMANCE

## WHY REINFORCED PLASTIC ?

Fiberglass Reinforced Plastic will be the right answer for the solution of corrosion fumes, vapors, gasses and chemical solution which have plagued industry for many years. Also it has been the solution due to corrosion runs day by day whether it is in the storage, processing tank, pipe line and the system of ventilating.

Reinforced Plastic is the corrosion resistant material of construction. This has been the development in specialty plastics and reinforcing material. Base on the considerable research and supporting by application experience, the use of reinforced plastic equals and exceeds such as : stainless steel, rubber lined steel, coated steel, wood and tile in a variety corrosive applications plant area.



# AREA OF WORK



**GLUCOSE SYRUPS & CORN STARCH FACTORY**

**SWANCOR**  
Steel Structure & Environmental Protection

**USER:** PT TEREOS FKS INDONESIA

**SERVICE:**  
Storage Tank for HCL (Hydrochloric Acid) 33%

**Operating Temperature:** 40 °C

**RESIN USED:**  
Corrosion barrier: SWANCOR 901-3  
Structural layer: SWANCOR 963

**DIMENSION:**  
4000 mm (Dia) X 8160 mm (H)

**THICKNESS:**  
25 mm (top)  
28 mm (bottom)

**COMPLETION DATE:**  
October 2016

**FABRICATING METHOD:**  
The corrosion barrier and structural parts were fabricated via vertical filament winding technique with resin rich surface layers on the inner surface and outer surface.

**MANUFACTURER:**  
PT GUNUNG SARI MULIA

**ENGINEERING DESIGN:**  
PT TALOC PROYEK INDONESIA

The information contained is believed to be correct. However, no warranty is made, regarding its accuracy or the results to be obtained from the use of such information. Statements concerning the use of these products are not to be construed as recommending the management of any plant, nor as liability for safety. For arrangements regarding your work and its execution.

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Web site: http://www.swancor.com

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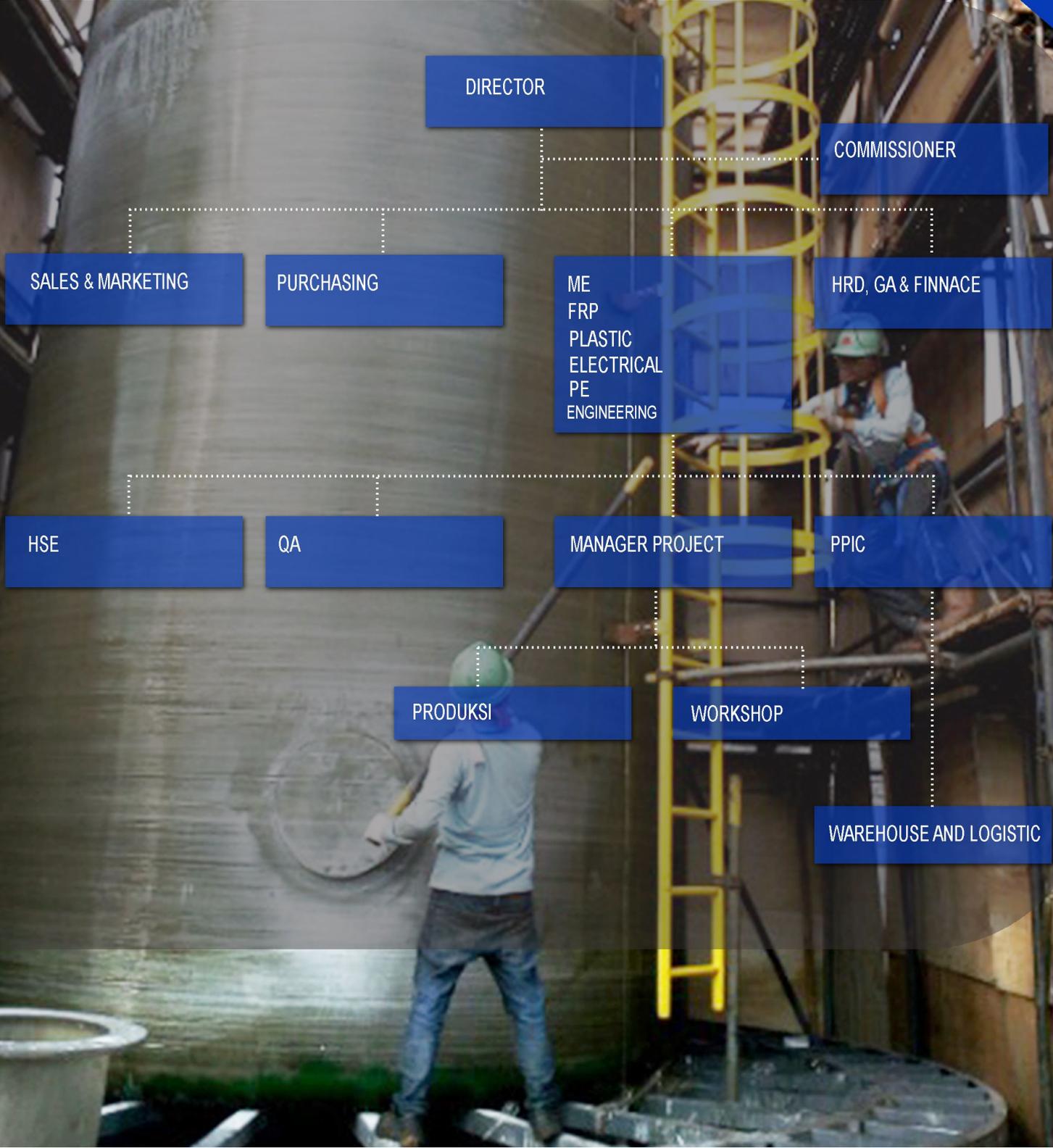
## FRP ARE NEEDED IN THE FOLLOWING CONDITION AND AREA :

1. Wherever corrosion is high.  
e.g. Acid, Chlorinated Water, Seawater, Waste Water, Sewerage, Drainage, etc.
2. Wherever installation is difficult.  
e.g. Remote sites, Poor corrosive soil conditions, Swamps, Ocean out falls, etc.
3. Wherever through life cost is important.  
e.g. Low maintenance, Low pumping, etc.
4. Wherever transport and carnage is difficult for access and lightweight has particular advantage.
5. Wherever good process ability and freedom of design is required.
6. Wherever fire retardant and transparency are option.

# Structure Organization



PT. GUNUNG SARI MULIA



# TREATMENT PLANT

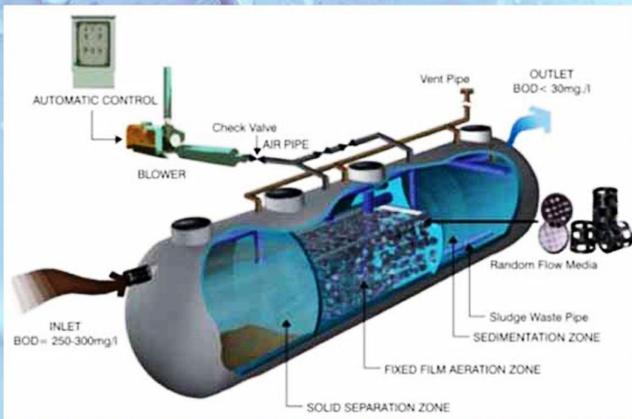




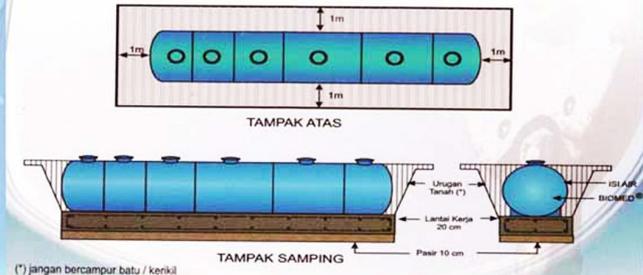
Air limbah merupakan salah satu sumber pencemaran lingkungan yang sangat potensial. Oleh karena itu air limbah harus diolah terlebih dahulu, sehingga aman untuk dibuang ke saluran umum.

1. GALI TANAH SESUAI DENGAN UKURAN ( LIHAT GAMBAR )

MODEL	PANJANG	LEBAR ( mm )	KEDALAMAN ( mm )
BOS - 5 s/d BOS - 10	PANJANG TANGKI + 2 m	3500	2000
BOS - 15 s/d BOS - 30	PANJANG TANGKI + 2 m	4000	2500
BOS - 35 s/d BOS - 100	PANJANG TANGKI + 2 m	4500	3000
BOS - 125 s/d BOS - 1000	PANJANG TANGKI + 2 m	5000	3500

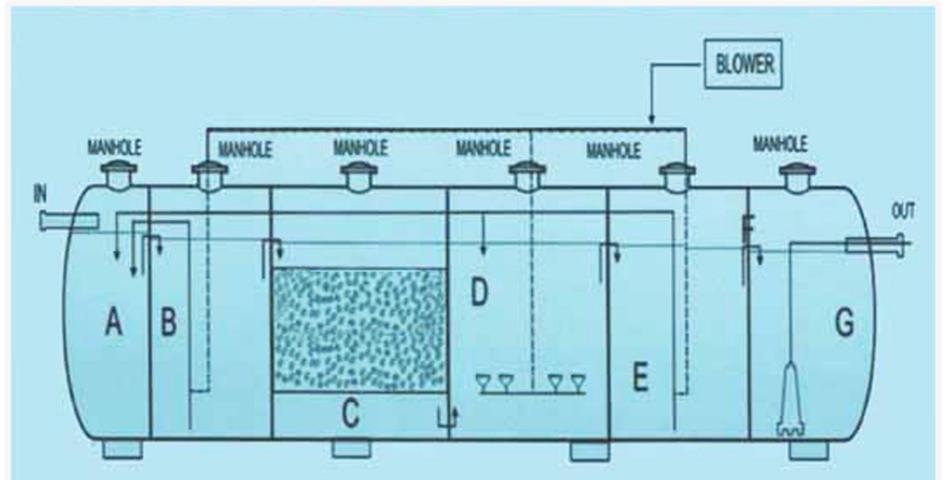


PEMASANGAN :



(\* ) jangan bercampur batu / kerikil

2. LETAKKAN TANGKI PADA LUBANG GALIAN
3. ISI TANGKI DENGAN AIR HINGGA PENUH
4. PASANG ANGKUR ATAU SLING, APABILA AIR TANAH CUKUP TINGGI
5. TIMBUN TANAH DI SEKELILING TANGKI
6. APABILA DIATAS TANGKI DIPERGUNAKAN UNTUK KENDARAAN ( PARKIR ), MAKA DIPELUKAN KONSTRUKSI BETON BERTUNJANG



# OUR PROJECT









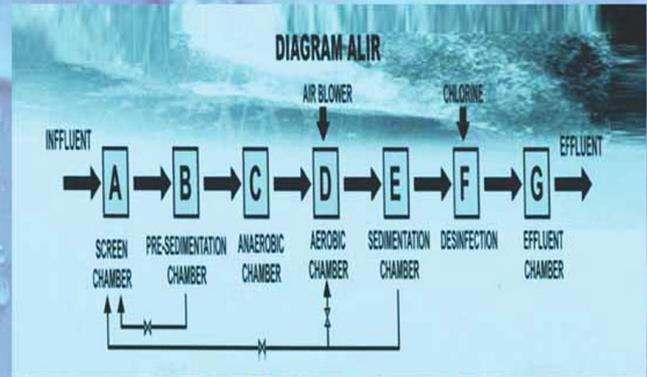


### DAFTAR TYPE PACKAGE STP

NO	TYPE	KAPASITAS (M <sup>3</sup> / HARI)	TANGKI (mm)			JUMLAH TANGKI	POWER ESTIMASI (KW)
			DIAMETER	PANJANG SHELL	PANJANG TOTAL		
1	BOS-5	5	1,500	4,100	5,100	1	0.69
2	BOS-7	7	1,500	5,300	6,300	1	0.79
3	BOS-10	10	1,500	7,000	8,000	1	0.79
4	BOS-15	15	2,000	5,300	6,300	1	0.89
5	BOS-20	20	2,000	6,500	7,500	1	1.29
6	BOS-25	25	2,000	9,500	10,500	1	2.09
7	BOS-30	30	2,000	10,600	11,600	1	2.12
8	BOS-35	35	2,500	8,200	9,200	1	2.87
9	BOS-40	40	2,500	8,900	9,900	1	3.00
10	BOS-45	45	2,500	9,900	10,900	1	3.00
11	BOS-50	50	2,500	10,700	11,700	1	3.00
12	BOS-60	60	2,500	6,400	7,400	2	3.00
13	BOS-70	70	2,500	7,300	8,300	2	3.30
14	BOS-80	80	2,500	8,200	9,200	2	4.00
15	BOS-90	90	2,500	9,100	10,100	2	4.80
16	BOS-100	100	2,500	10,100	11,100	2	5.10
17	BOS-125	125	3,000	9,300	10,300	2	5.10
18	BOS-150	150	3,000	11,100	12,100	2	7.00
19	BOS-175	175	3,000	8,600	9,600	3	9.10
20	BOS-200	200	3,000	9,800	10,800	3	9.10
21	BOS-225	225	3,000	11,100	12,100	3	9.10
22	BOS-250	250	3,000	9,200	10,200	4	9.10
23	BOS-275	275	3,000	10,100	11,100	4	11.60
24	BOS-300	300	3,000	11,100	12,100	4	13.20
25	BOS-350	350	3,000	10,300	11,300	5	17.30
26	BOS-400	400	3,000	11,800	12,800	5	17.30
27	BOS-450	450	3,000	11,100	12,100	6	17.30
28	BOS-500	500	3,000	11,500	12,500	7	21.10
29	BOS-600	600	3,000	11,000	12,000	8	22.60
30	BOS-700	700	3,000	11,400	12,400	9	27.00
31	BOS-800	800	3,000	11,700	12,700	10	34.50
32	BOS-900	900	3,000	12,000	13,000	11	34.50
33	BOS-1000	1000	3,000	11,300	12,300	13	34.50

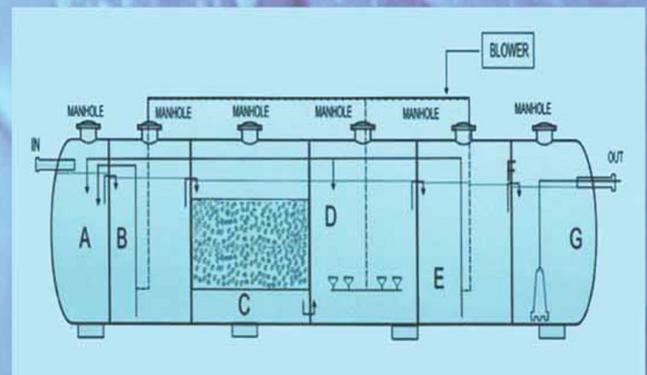
### KRITERIA DESAIN :

- ✓ BOD inlet : 300 mg/lt ( Max )
- ✓ BO Dremoval : > 93%
- ✓ Disolved Oxygen : 2 mg / lt ( min )
- ✓ Operational : 24 jam / hari
- ✓ BOD Outlet : 20 mg / lt ( average )



TANGKI STP DAPAT MENGGUNAKAN :

1. Tangki Fibre Glass (Compact System), Atau
2. Bak Beton Bertulang.



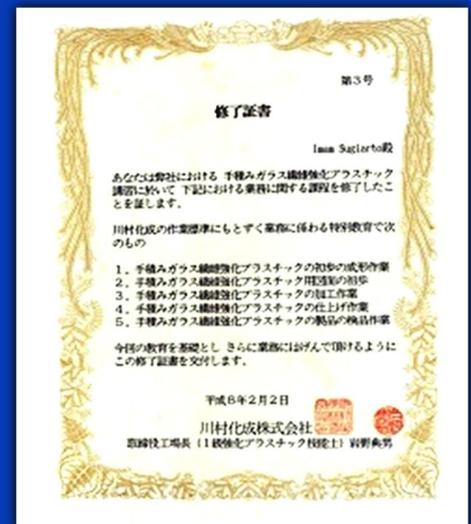
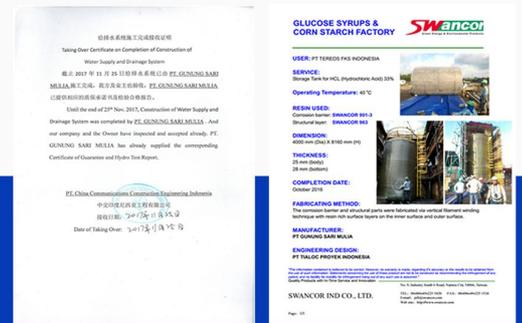
# OUR CLIENT

BIOSYSTEM INDONESIA  
 E. B. S PATRONE SDN. BHD  
 KOREA TECH LTD  
 MEIKIKI CO., LTD  
 PT. ALAKASA EXTRUSINDO  
 PT. ASAHIMAS CHEMICAL  
 PT. ASTA TRIKAUTSAR  
 PT. BAGUN SINERGI BERJAYA  
 PT. BASUN JAYA NASTARI  
 PT. BERKAT ESA SEJAHTERA  
 PT. BINESCO MULYATAM SEJAHTERA  
 PT. BIOSYSTEMS INDONESIA  
 PT. CAHAYA INDO ASIA  
 PT. CAHAYA MAS CEMERLANG  
 PT. CAKRA SUMBER MAKMUR  
 PT. CCCEI  
 PT. CEMARA SIKO ENGINEERING  
 PT. CIPTA KARYA SOLUSINDO  
 PT. CLAMA INDONESIA  
 PT. DWI PRIMA ENGGINERUNG  
 PT. DWIJAYA SELARAS  
 PT. DYSTAR COLOURS INDONESIA  
 PT. ELANG KURNIA SAKTI  
 PT. FAKO KARYA TEKNIKA  
 PT. FUJIKASUI ENGGINERUNG INDONESIA  
 PT. FUTURE PIPE INDUSTRIES  
 PT. GM INDONESIA MANUFACTURING

PT. GREGAH SUKSES MANDIRI  
 PT. HANA NUANSA PRATAMA  
 PT. HEKSAGON TIWIKRAMA  
 PT. HIBEX INDONESIA  
 PT. INWHA INDONESIA  
 PT. JAYA MARTA SENTOSA  
 PT. JAYA TEKNIK INDONESIA  
 PT. JURONG ENGGINERUNG LESTARI  
 PT. KARAWANG TATABINA INDUSTRI  
 PT. KARUNIAAWAN NUSANTARA  
 PT. KATSU TECHNO ENGINEERING  
 PT. KIRANADA TATA KREASI  
 PT. KURITA INDONESIA  
 PT. MEINDO ELANG INDAH  
 PT. MERAK ENERGI INDONESIA  
 PT. METSON POWER ASIA  
 PT. MEGALOPOLIS MANUNGGAL INDUSTRIAL DEVELOPMENT  
 PT. MIYAKO ETECH INDONESIA  
 PT. MULTI USAGE INDONESIA  
 PT. NIPPISUN INDONESIA  
 PT. PAHALA BAHARI NUSANTARA  
 PT. PERKASA MARITIM UTAMA  
 PT. POLYINDO BANGUN SENTOSA  
 PT. PROTEKSINDO AMAN SEJAHTERA  
 PT. PUTRA PILE INDONESIA  
 PT. RADIMATRA MITRA USAHA  
 PT. REKTEK DINAMIKA INDONESIA

PT. SANGGAR SARANA BAJA  
 PT. SCHNEEL TEKNIK SOLUTION  
 PT. SEM SEJAHTERA INDONESIA  
 PT. SINISA CONSTRUCTION ENGINEERING  
 PT. SULFINDO ADIUSAHA  
 PT. SURYA TOTO INDONESIA  
 PT. SWING INDONESIA  
 PT. TAPAK BIMO  
 PT. TATA MULIA SUPERNOVA  
 PT. TEKNOPRO SUKSES PERSADA  
 PT. TIALOC PROYEK INDONESIA  
 PT. TRIDASA UTAMA  
 PT. WASA MITRA ENGGINERUNG  
 PT. ZIEGLER INDONESIA  
 THE PAKUBUWONO

# Certification





## PT.GUNUNG SARI MULIA

### OFFICE:

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### FACTORY

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