



CENTER ENAMEL

Shijiazhuang Zhengzhong Technology Co., Ltd

GFS Tanks | Epoxy Tanks | SS Tanks | Aluminum Dome Roofs

Storage solutions

Website: www.center-enamel.com

Email: info@center-enamel.com





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Center Enamel Tanks overseas successful project reference list

▶ About Company



- Professional manufacturer dedicated to the design and fabrication of enameled products since 1989.
- We begin with: enamel frit | enameled cookware
Glass-Fused-to-Steel (GFS) tanks
- Now we can also provide various types of bolted tanks:
**Epoxy tanks | Stainless Steel Tanks | HDG tanks
Aluminum Geodesic Dome Roofs**
- **Old factory area : 50,000m²**
- **Design Standard:** AWWA D103, OSHA, EN28765, EuroCode

Center Enamel is not only the first manufacturer in China which produces Glass Fused to Steel Tanks, but also the most experienced professional bolted tanks manufacturer in Asia.



▶ Our New Production Base

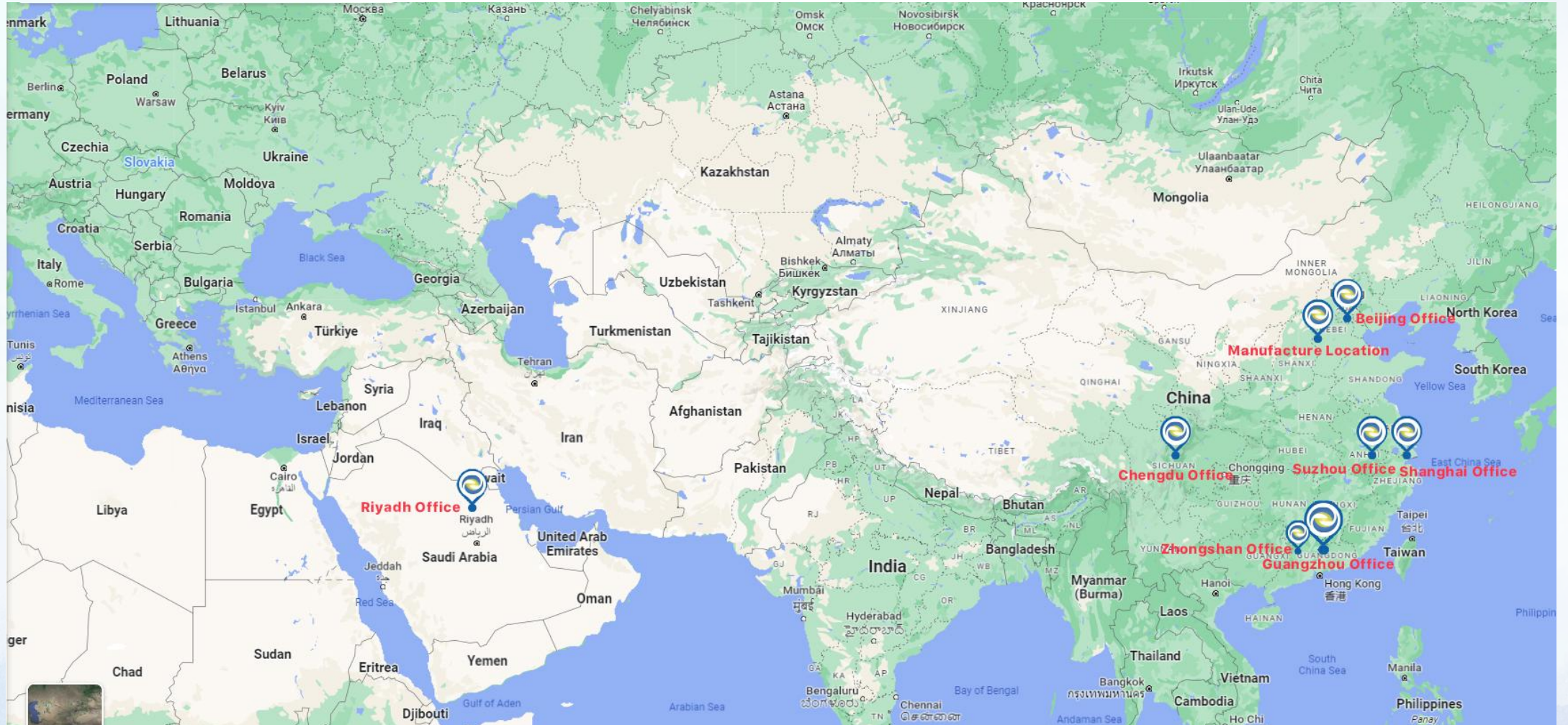


New Headquarter~

- Plant area: 100,000m²
- Production ability: 250,000 pc sheets/year
- The biggest factory for GLS tank in Asia
- Employees around 485 people
- Automatic production machine



▶ Our Global Offices



► Successful Projects Worldwide



- **Center Enamel** has shipped its products to 90+ countries around the world, and it is still reaching out to the world today.



▶ Our Advantages



Laboratory Room



WHY Choose Center Enamel Tanks :



01

More than 30 years experience in Enameling industry

The only GFS tanks manufacturer which can produce enamel frit as well , better control the GLS tank cost and quality

02

Engineering Design Standards- AWWA D103, OSHA, ISO28765, EUROCODE

The only Asian GFS tanks manufacture which can be widely accepted in US market

03

Professional Experience with international Market

Successful GFS tanks projects in more than 90 countries worldwide

04

Cooperate with Well-known international Corporations

Coca-Cola, Paques, VEOLIA, AbInBev, Sinopec, Wilmar, Porsche, CNNC, CECEP, China Power, etc.

▶ Our Advantages



WHY Choose Center Enamel Tanks :

05

Shorter Production Lead Time and Quicker Delivery

Generally 30 days for 1000~10,000m³ tanks (without alum. Dome roof)

06

Advanced Technology for Big Capacity

Successfully developed 20mm thickness enameled sheet (single wall), the max. GLS tank volume can be 60,000m³

07

Complete Solution - Aluminum Alloy Dome Roof

The only Asian GLS tanks manufacturer who can produce both tank and Alum. dome roof, offer complete tanks solution with good quality.

08

Good after-sale service, 3 years warranty for free

Center Enamel looks forward long-term cooperation with global clients

International Certifications



ISO/EN 28765

SIRIM QAS International Sdn. Bhd. (410334-X)
No. 1, Persiaran Dato' Menteri, P.O. BOX 7035, Section 2,
40700 Shah Alam, Selangor Darul Ehsan, Malaysia
Tel: 03-55445168 Fax: 03-55446688
www.sirim-qas.com.my

SIRIM QAS INTERNATIONAL

TEST REPORT
REPORT NO : 2019CE0555-S1 PAGE : 1 OF 4

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THIS TEST REPORT IS ISSUED IN SECURED PDF SOFTCOPY

Applicant : PRODUCT CERTIFICATION & INSPECTION SECTION, Building 25, SIRIM QAS INTERNATIONAL SDN BHD (Attn: En Waheedir Yahaya) File No: P5-012861

Manufacturer : Licensee: ZENTRAL ENTERPRISE SDN BHD Lot 20-3A (A), Jalan PUJ 8/5G, Bandar Damansara Perdana, 47820 Petaling Jaya, Selangor Darul Ehsan, Malaysia.

Manufacturer: SHIJIAZHANG ZHENGZHONGTECHNOLOGY CO. LTD. Huanan East Road 81#, Zhengding, Shi Jiazhuang, 050800 Shijiazhuang City, Hebei Province, China.

Product : Vitreous and Porcelain Enamels Bolted Steel Tanks for the Storage or Treatment of Water

Reference Standard / Method of Test : ISO 28765 : 2016 – Title: Vitreous and porcelain enamels- Design bolted steel tanks for the storage or treatment of water or municipal or industrial effluents and sludges

Description of sample / Description of Test Specimen : Received one (1) sample of Vitreous and Porcelain Enamels Bolted Steel Tanks for the Storage or Treatment of Water for testing which was identified as: Brand : Center Enamel


Date Received of Complete Application : 21 February 2019


Job No. : J20191400219


Description of Test Results / Overall Test Result : The submitted test sample as described in this test report complied with all the requirements of the above Reference Standard.

Issued Date : 14 May 2019

Approved Signatories:


(MUHAMMAD RIZAL BIN ABDUL) Testing Executive


(HAHNAS BINTI MAHBUT) Head
Chemical & Consumer Section
Testing Services Department



WRAS

Approval Number 2211553
Test Report: MA7722Y

Water Regulations Approval Scheme Ltd.
Unit 13,
Willow Road,
Pen y Fan Industrial Estate,
Cwmim,
Gwent,
NP11 4EG

8th December 2022
Shijiazhuang Zhengzhong Technology Co., Ltd.
Huanan East Road 81#,
Zhengding,
Shijiazhuang City,
Hebei Province,
China

**WATER REGULATIONS APPROVAL SCHEME LTD. (WRAS)
MATERIAL APPROVAL**

The material referred to in this letter is suitable for contact with wholesome water for domestic purposes having met the requirements of BS6600-1:2000 and/or 2014 Suitability of non-metallic products for use in contact with water intended for human consumption with regard to their effect on the quality of the water.

The reference relates solely to its effect on the quality of the water with which it may come into contact and does not signify the approval of its mechanical or physical properties for any use.

COATINGS, PAINTS & LININGS- FACTORY APPLIED PIPE & FITTINGS COATINGS. 5030

CEC-GFS Enamel, Black Blue RAL5004, Factory applied, blue/black (appears black) coloured, enamel coating.
Apply as per manufacturer's instructions 'ZZ-Ins001', dated '2021.01.01'.

GFS-G base glaze: dry for 15 Minutes at 200°C then fire for 12 minutes at 870°C.
GFS-S surface glaze: dry for 15 Minutes at 200°C then fire for 10 minutes at 830°C.

For use with water up to 85°C.

This material is only approved for the drying and firing conditions that appear on the approval. If the drying and/or firing are varied from those specified on the approval then the material is not covered by the scope of the approval.

APPROVAL NUMBER: 2211553
APPROVAL HOLDER: SHIJIAZHANG ZHENGZHONG TECHNOLOGY CO., LTD.

The Scheme reserves the right to review approval.
Approval 2211553 is valid between November 2022 and November 2027

An entry, as above, will accordingly be included in the Water Fittings Directory on-line under the section headed, "Materials which have passed full tests of effect on water quality".

The Directory may be found at: www.wrasapprovals.co.uk/approvals-directory/

Yours Faithfully

Ian Hughes
WRAS Approvals Manager

The Water Regulations Approval Scheme Ltd. Registered in England No. 1303294 Registered office: 6D Lower Cotes, Hazel Grove, Stockport, SK7 6SD
WRAS Appr:305F1 ver 2.0 Tel:+44(0)1495 244 666 Fax:+44(0)1495 244 666 Email:info@wrasapprovals.co.uk website:www.wrasapprovals.co.uk Page 1 of 9

CE Certificate

Notified body No 1697
Bureau Veritas Latvia
17a Dumes street, Riga, LV-1005, Latvia

**CERTIFICATE OF CONFORMITY
OF THE FACTORY PRODUCTION CONTROL**
1697 – CPR – 23/082

In compliance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction products Regulation or CPR), this certificate applies to the construction product
design and manufacturing of steel and aluminum alloy structure components, steel structure with vitreous enameling coating
(characteristics are detailed in the attached annex)
placed on the market under the name or trade mark of
Shijiazhuang Zhengzhong Technology Co., Ltd.
No.81 Huanan East Rd, Zhengding, Shijiazhuang City, Hebei province, China
and produced in the manufacturing plant
No.81 Huanan East Rd, Zhengding, Shijiazhuang City, Hebei province, China

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard
EN 1090-1:2009+A1:2011 Execution of steel structures and aluminium structures - Part 1: Requirements for conformity assessment of structural components
under system 2+ are applied and that
the factory production control is assessed to be in conformity with the applicable requirements.

This certificate was first issued on 15/12/2023 and will remain valid until 14/12/2026 as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified factory production control certification body.

To check the validity date of this certificate, please call +371 67323246.
Annex to certificate on 1 (one) page is integral part of this certificate.

Further clarification regarding the scope of this certificate and the applicability of the system requirements may be obtained by consulting to Bureau Veritas Latvia.

Certificate issued: Riga, 15/12/2023 Version: 1
Certificate validity: 14/12/2026

Bureau Veritas Latvia Ltd
Member of the board

Iveta Lazdiņa

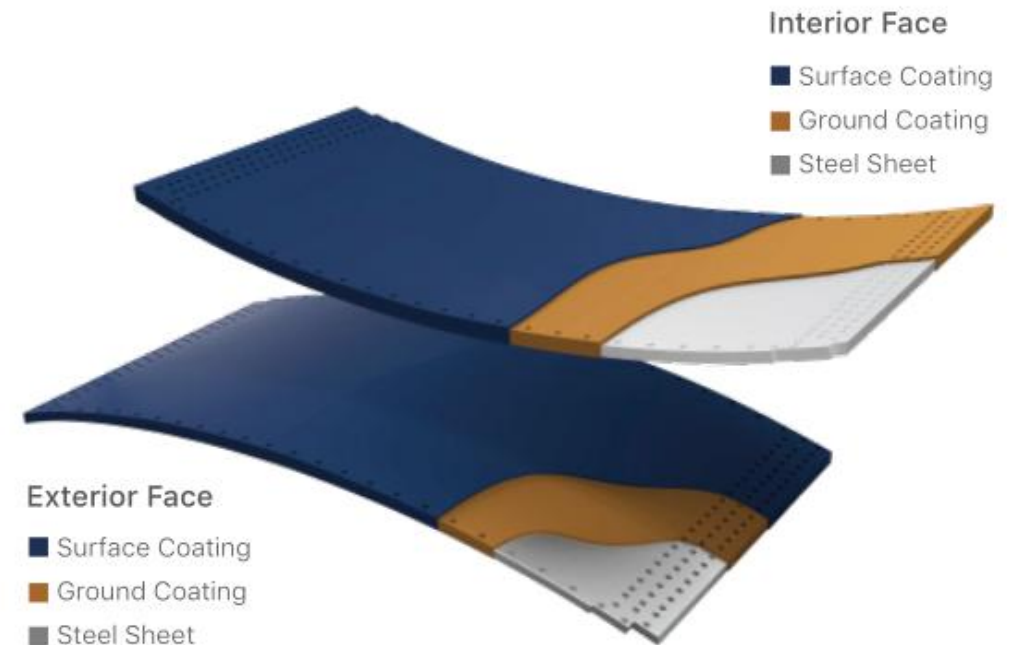
SIA Bureau Veritas Latvia Product Certification Body. Certificate F_5/BE_2+_eng
Page. 1 of 2 – Rev.07, 19.10.2021.

▶ What is Glass-Fused-to-Steel ?

After firing at 820 ° C-930 ° C high temperature, the molten glass reacts with the steel plate surface to form an inert and inorganic bond, which combines the strength & flexibility of steel and outstanding corrosion resistance of glass, therefore GFS tanks can provide many advantages over standard epoxy or welded painted storage tanks. Glass-Fused-to-Steel technology is the premium coating technology in the storage tanks market, and GFS tanks are widely used in bio-energy, potable water storage, municipal sewage, landfill leachate, industrial wastewater treatment and other applications.

Enameling Technologies: 2C1F, 2C2F, 3C3F

Double Coating Layer Structure (2C2F)



▶ Comparison of 3 enameling technologies

Enamel Coating	2C1F (2 coating 1 firing)	2C2F (2 coating 2 firing)	3C3F (3 coating 3 firing)
application	Agriculture water Fire water storage Drinking water storage AD tank (liquid area) Filter tank, dry bulk storage Temporary storage	Industrial wastewater treatment Landfill leachate AD tank (gas area) Municipal sludge treatment	Special application Irritant waste water treatment Chemical industrial wastewater High temperature application Sea water High TDS water
PH	3-10	2-10	2-11
coating thickness	210-430um	250-460um	280-480um
test method	holiday test	holiday test	holiday test
testing voltage	900V	1500V	1500V
tank color	black blue	black blue, dark green other customized colors	black blue, dark green other customized colors

Properties of Center Enamel GFS Tanks



Coating Color	Black blue, Grey olive, Forest green, Cobalt blue, Desert tan etc.
Coating thickness	10- 18 mils, 230-480 microns
Acid and alkalinity proof	Standard PH: 3~11, Special PH:1~14
Adhesion	5,000 psi
Hardness	6.0 (Mohs)
Service life	≥30 Years
Holiday test	> 900V / 1500V
Permeability	Gas liquid impermeable
Easy to clean	Smooth, glossy, inert, anti-adhesion
Corrosion resistance	Excellent, suitable for wastewater, salt water, sea water, high sulfur crude oil, salt fog organic and inorganic compounds



Light Blue



Light Grey



Dark Green



Tan



Dark Blue



Forest Green



White



Cobalt Blue

▶ Why choose Glass-Fused-to-Steel ?



GFS Tanks Advantages :

- **Short Installation Time**: prefabricated, rapid and simple
- **Low Capital Investment**: very low maintenance cost
- **30 Years Service Life**: superior corrosion resistance
- **Attractive Appearance**: color can be customized
- **Quality Control**: according to international standards
- **Flexibility**: re-model, extend, dismantle and relocate



▶ Main Production Steps of GFS Tanks



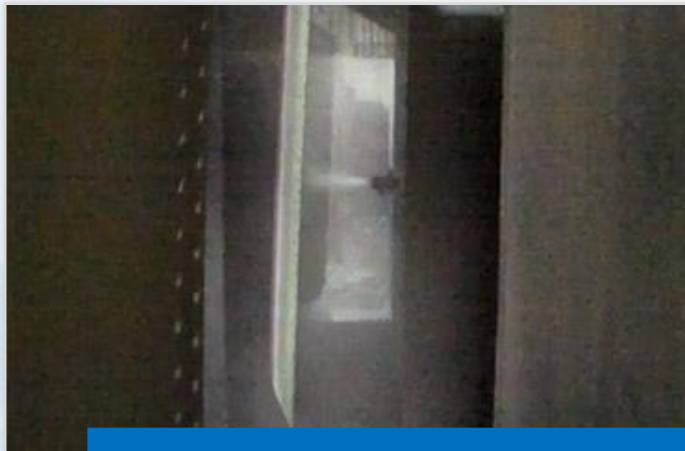
01 CNC Laser Cutting



02 Steel Pre-treatment



03 Arc Bending



04 Automatic Enamel Spraying



05 High Temperature Tunnel Oven



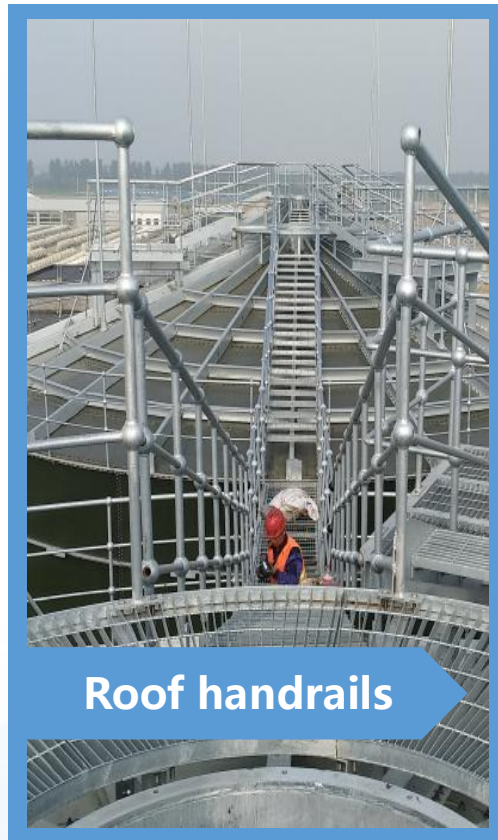
06 Product Inspection

▶ Main Accessories of Tanks



Vertical Ladder

HDG / Stainless steel / Epoxy
Monkey ladder/ Spiral staircase



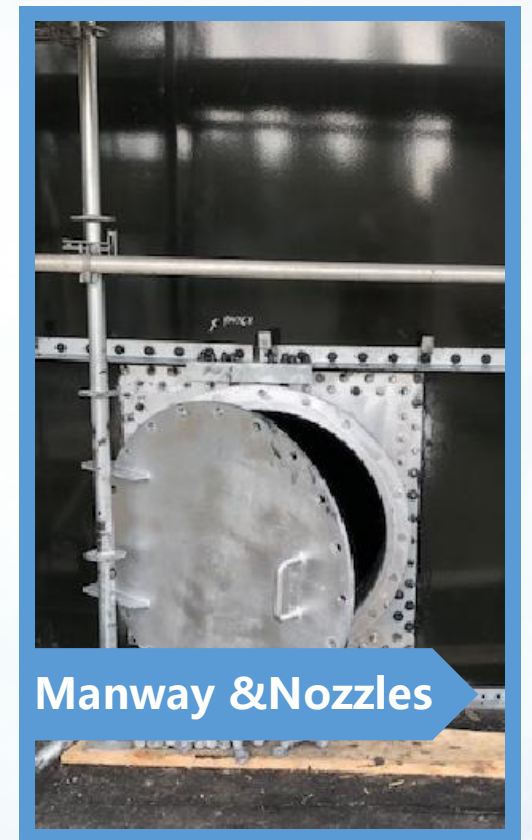
Roof handrails

Partial guardrail/ perimeter guardrail



Top Platform

With handrail & kickboard



Manway & Nozzles

HDG/ SS/ Epoxy Coating

▶ Quality Control

Raw Material Test: raw materials ingredient analysis, impurity test etc.

Enamel Formula Test: enamel fluidity test, acid and alkali resistance test, adherence / impact test

Inspection During Production: magnify experiment simulated operation environment

Final Quality Test: impact test, 1500V/1100V holiday test, coating thickness, color difference test

**Acid and Alkali
Resistance Test**



Adherence Test



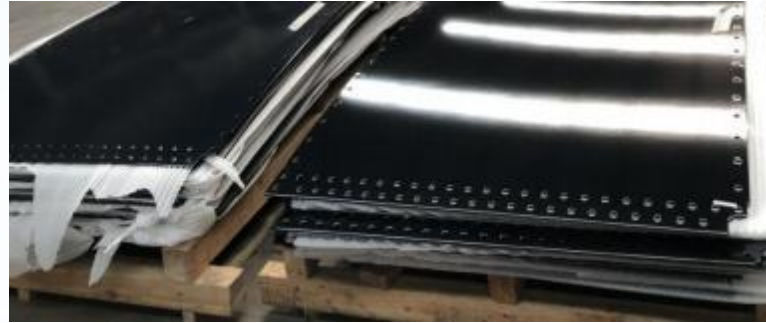
1500V Holiday Test



Enamel Thickness Test



▶ Packages and Container Loading



Container Loading

Enamel sheet pallet in the middle, long items such as rafters at left/right sides, light items on top of wood pallet



Small items

Small items such as bolts, nuts are packaged in wood pallet, then wrapped with plastic film

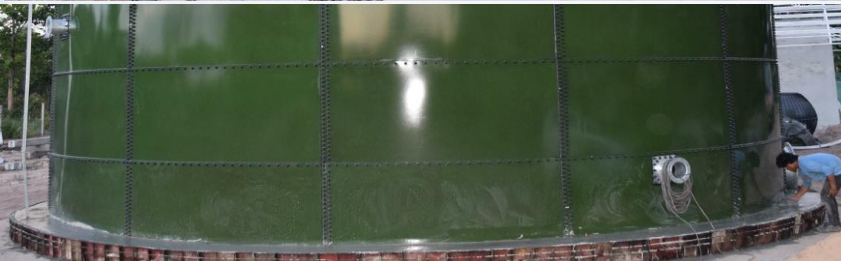


Enamel sheet

Enamel sheets are well packaged in wood pallet with max. weight limitation 3T



▶ GFS Tanks Installation



Foundation Types

- ① Embedded bottom ring
- ② Starter ring
- ③ Above floor
- ④ Enamel floor

▶ GFS Tanks Installation



Main Lifting Systems:

- hydraulic / chain type Jacks
- steel poles with chain blocks / electric blocks



▶ GFS Tanks Installation

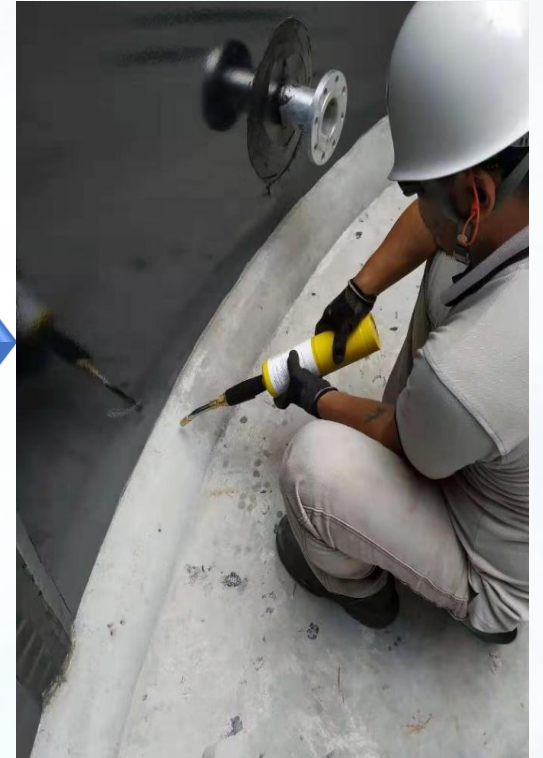


Apply the Sealant

Install the top ring

Lifting up top ring

▶ GFS Tanks Installation



Install the base angles



Water-expanding rubber strip



Waterproof sealant



C28/35 Protective Layer



Storage Tanks ◀

Worldwide Projects Reference



▶ Project reference – Middle East

NEOM Temporary Water Supply (Coastal Section & Mountain Section) Saudi Arabia

Project Details:

Potable Water Tank Tanks

- Ø9.17*9.6M, 600M³ 2pcs
- Ø22.17*9M, 4000M³ 2pcs
- Ø28.28*9.6M, 6000M³ 5pcs

Roof type : Aluminum Dome Roofs

Under installation, to be finished early of 2024



02



▶ Project reference – Middle East

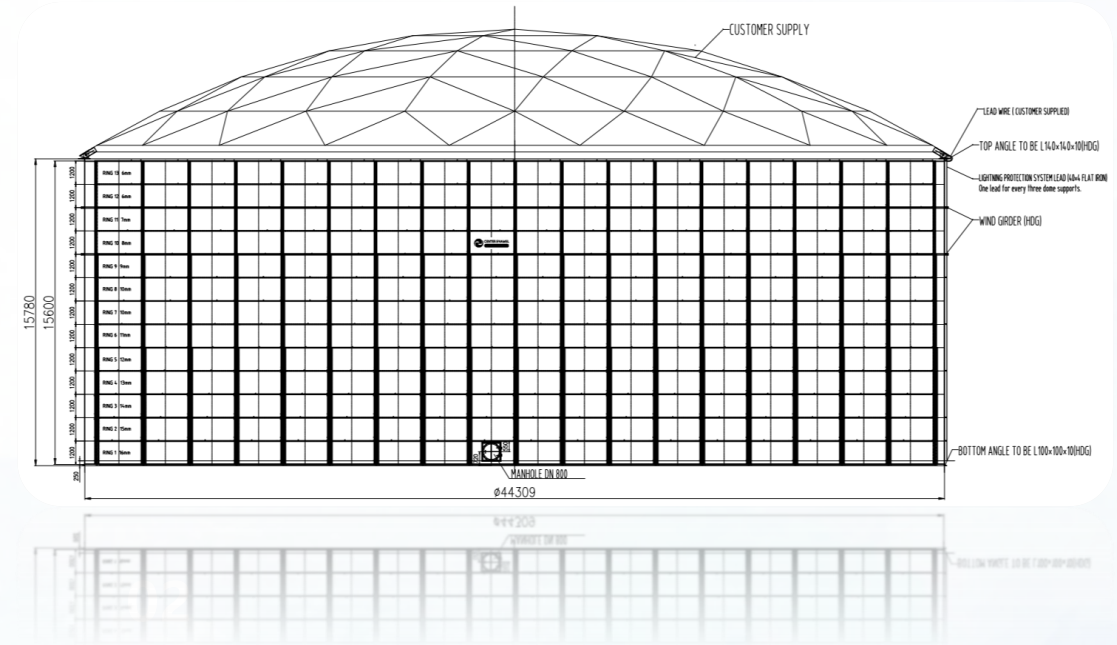
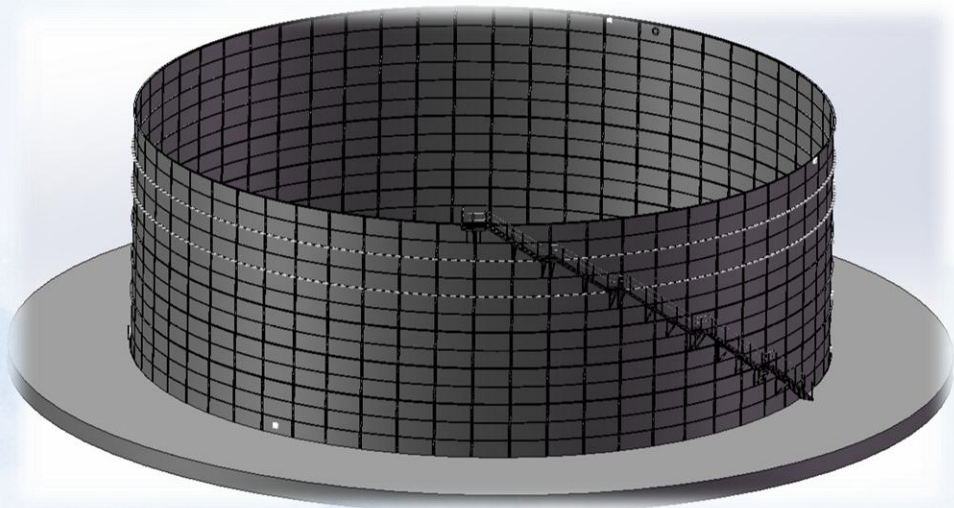
Acciona TSE (Treated Sewage Effluent) Project, Saudi Arabia

Project Details:

Treated Sewage water tank : 44.31*15.6m, **24,000M³**

Treated Sewage water tank: 39.72*20.4m, **25,000M³**

Treated Sewage water tank: 33.63*13.2m, 11,000M³



Roof type: Aluminum Dome Roof
Installation started on Dec. 2023

▶ Project reference – Middle East

Coca-Cola Plant Wastewater treatment tanks- Riyadh, Saudi Arabia

Project Details:

Equalication tank : 15.29*7.2 M

Calamity tank : 8.4*9 M

Anaerobic digester tank : 12.22*8.4m

Flash Aeration tank : 7.64*7.2m

Holding tank: 6.88*7.2 M

Roof type : enamel roofs/aluminum alloy roofs

Installation Finished on 2017



► Project reference – Middle East

Coco-Cola Wastewater Treatment Plant – Dammam, Saudi Arabia

Project Details:

Sludge Tank Anaerobic: Φ 4.59*7.2M , 119M³

Conditioning Tank: Φ 6.11*14.4M, 422M³

Post Aeration Tank: Φ 7.64*9M, 412M³

Sludge Tank Aerobic: Φ 3.82*7.2M, 82M³

Sewage Storage Tank: Φ 5.35*14.4M, 323M³

Anaerobic Reactor Φ 11.46*10.2M, 1051M³

Roof type : GFS roofs/Aluminum alloy roofs

Installation Finished on August, 2017



► Project reference – Middle East



Dubai World Central Airport Wastewater Project

Project Details:

1 unit of MBR tank with open roof:

Ø11.11*5.8M, 560m³

1 unit of Aeration tank with open roof:

Ø 16.2x5.8m, 1155m³

Installation Date: Jan, 2021



► Project reference – Middle East



Dubai Sewage Storage Tanks

Project Details:

Sewage Storage Tank: Ø 16.82*9M

Drinking Water Tank: Ø 8.4*9M

Roof type: Open roof

Installation Finished: Jun., 2019



► Project reference – Middle East



Wastewater Treatment Plant in Kuwait

Project Details:

Wastewater storage tank: Ø 9.93*4.2M with open roof

Installation finished: Dec., 2016



► Project reference – Europe

France Biogas Plant

Application: Biogas Anaerobic Digester

Tank size: 1pc x Ø15.29 x 15m with SS304 Bolted Roof

Project Location: Plouvorn, France

Installation Time: Dec. 2020



► Project reference – Europe

Waste Water Treatment Plant – Budapest, Hungary

Application: waste water treatment plant

Main Reactor: 1 pc x $\text{Ø}22.17 \times 6.6\text{m}$ open top

Main Reactor: 4 pc x $\text{Ø}7.64 \times 5.4\text{m}$ open top

Sludge Buffer: 1 pc x $\text{Ø}3.82 \times 6.6\text{m}$ open top

Installation Time: Dec. 2022



▶ Project reference - Asia

Coca-Cola Plant Wastewater Treatment – Bandar Enstek, Seremban, **Malaysia**

Project Details:

EGSB tank with enamel roof: 7.64*17.4M

Adjusting tank with aluminum deck roof: 9.17*16.8M

Installation finished: October 2016



▶ Project reference - Asia

2008 Beijing Olympic Games Project

**Sewage Treatment Rebuild
and Capacity Expansion**

Project Details:

4 *Sedimentation tanks: $\text{Ø}18.33 \times 3.6\text{M}$

1 *Sludge Collection tank: $\text{Ø}4.82 \times 3.6\text{M}$

Total capacity: 5200m³

Installation: 12 people for 15 days

Installation finished : August 2005



▶ Project reference - Asia



SINOPEC Wastewater treatment - Quanzhou, China

Project Details: 2 sets of \varnothing 19.11*20.4m, 1 set of \varnothing 13.75*21.6m, 1 set of \varnothing 13.75*20.4m

Roof type: enamel roofs

Installation finished: Jun., 2019



► Project reference - Asia

Kazakhstan Biogas Tank Project

Project Details:

2 sets of Biogas tanks: $\text{Ø } 17.16 \times 15.6\text{M}$

Roof Type: GFS roof

Installation finished : July 2014



▶ Project reference - Asia



HK Veolia Landfill Leachate Treatment Project

Project Details:

2 units EQ tank with GFS roof: 15.29x6M

3 units SBR tank without roof: 26.75x8.4M

1 unit SBR effluent tank with GFS roof: 15.29x6M

2 units sludge holding tank with GFS roof: 9.93x4.8M

1 unit sludge thickener tank with GFS roof: 11.46x6M

1 unit thickened sludge holding tank with GFS roof: 4.59x4.8M

1 unit treated effluent tank with GFS roof: 7.64x4.8M

Tank Color: **inner white, outer cobalt blue**

Installation finished: Oct., 2019



▶ Project reference - Asia

Inner Mongolia Biogas Project

3 sets of biogas digester with size $\text{Ø } 25.22 \times 8.4\text{M}$
Roof type: double membrane
Installation finished: 2016



► Project reference - Asia

Fire Water Storage Tank of Cigarette Manufacture in Indonesia

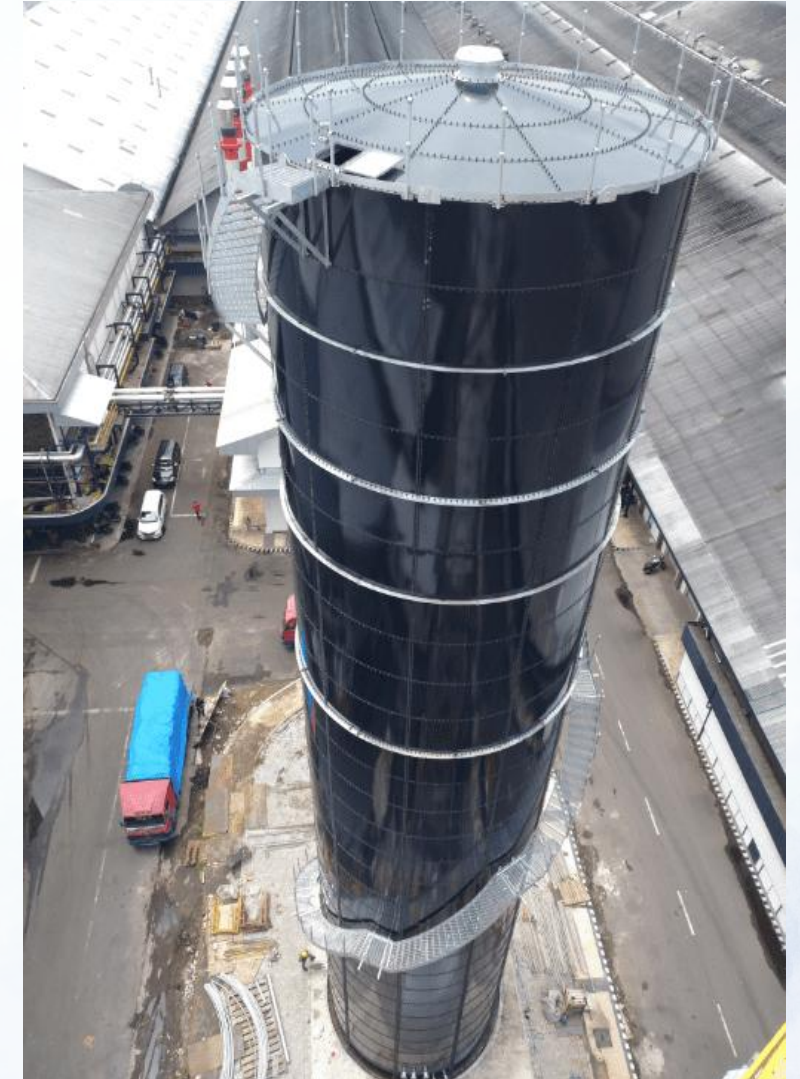
(the **highest** GFS tank built by Asian GFS tank supplier)

Project Details:

GFS tank size: 7.64***34.8M**

Roof type: enamel roof

Installation finished: February 2018



▶ Project reference - Asia

PAQUES Biogas tank project

Project Details:

Biogas tank material: SS316

SS316 tank size: Ø 11.47*12.6M

Roof Type: SS316 Roof

Location: Shanxi, China

Installation finished : October 2022



▶ Project reference - Asia



Metro Cebu Potable water storage tank - Philippines

Project Details: 2 units of tank with Aluminum dome roof

GFS tank size: 17.58x13.2m Installation finished : 2023



▶ Project reference - Asia

Drinking water GFS tanks – Cirebon, west Java, Indonesia

Project Details:

Drinking water tanks: Ø 46.62x6M, 10,237m³

Roof type: aluminum alloy roof

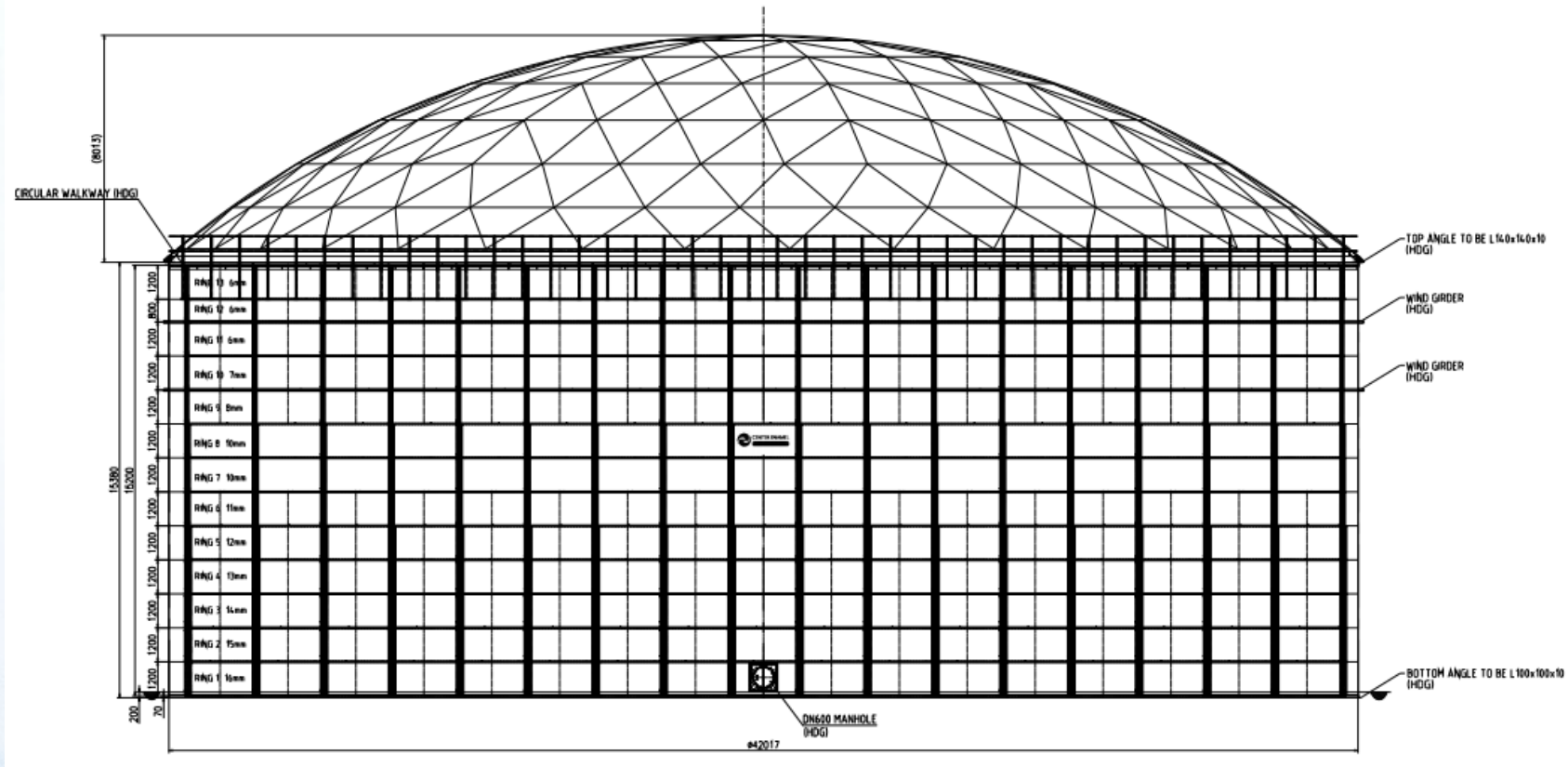
Installation Finished: Feb.,2020



► Project reference - Asia

Drinking water GFS tanks – Cilincing, Indonesia

Ø 42.04*15.2m, 21,088³ Roof type: Aluminum Dome Roof



Under production

▶ Project reference - Asia



Palm oil wastewater treatment plant – Sandakan, Malaysia

Project Details:

Tank Model: Ø18.33 * 8.4m

Tank Quantity: 5 nos. GFS tanks

Installation: 7 people, 100 days

Installation Date: June, 2013



▶ Project reference - Asia

Heineken Plant Wastewater Treatment - East Timor

Project Details:

Sedimentation tank: 4.2x4.2M

Pretreatment tank: 8.4x4.2 M

Adjusting tank : 8.4x4.2M

Hydrolytic acidification tank: 8*9M

Sludge-tank: 3.8x4.2M

Aerobic tank : 12.99x4.2M

Installation finished: November 2016



▶ Project reference - Asia

Water purification project- Philippines

Project Details:

Phase 1:

1 unit of tank with GFS Roof: Ø 9.93*12.0M, 928m³

2 units of tank with GFS Roof: Ø 9.17*7.8M, 515m³

1 unit of tank with GFS Roof: Ø 7.64*6.0M, 275m³

Phase 2:

1 unit of tank with GFS Roof: Ø 9.93*12.0M, 928m³

2 units of tank with GFS Roof: Ø 7.64*6.0M, 275m³

Installation Date: June. 2019



▶ Project reference - Asia

Indonesia Biogas Fermentation tanks Project

Project Details:

Biogas Fermentation tanks : 19.86×8.4M

Tank quantity: 3 sets

Roof type: single membrane roof

Installation finished on 2009



▶ Project reference - Asia

Sewage treatment Plant in Hangzhou, China

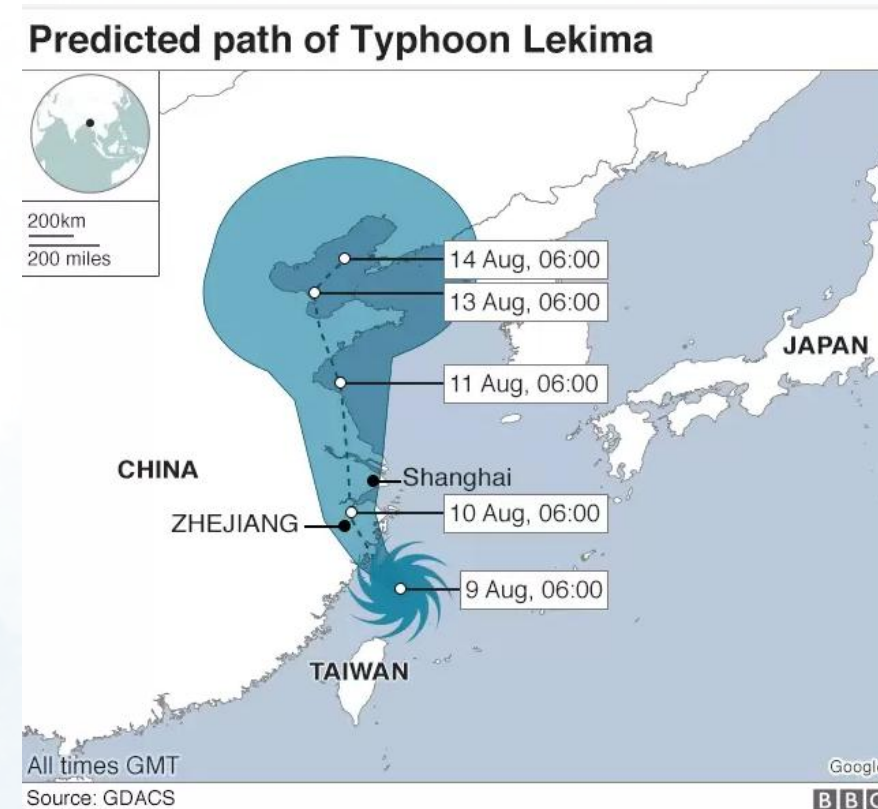
(visited by Super typhoon just after installation - Lekima 215km/hr, 17 grade)

Project Details:

GFS Tank Size: $\text{Ø}12.23 \times 24\text{M}$ (2,818m³)

Quantity: 5 sets of GFS tanks

Installation finished: July, 2019



► Project reference - Asia

Wastewater Treatment GFS Tank - Indonesia Pineapple Factory

Project Details:

GFS tank: Ø 19.87*9.6M

Roof Type: Aluminum alloy roof

Installation Finished: May, 2016



▶ Project reference – North America



Double Wall GFS Storage Tanks for Landfill Leachate – Oregon, USA

Project Details:

Outer storage tank : Ø 29.81*7.2M, Inner storage tank: Ø 25.99*10.2M.

Installation finished: August 2016



► Project reference – North America



White Glass Fused to Steel Tank - Arkansas, USA

1st phase:

GFS tank with enamel roof & floor : Ø 3.82*3.6M
GFS tank with enamel roof & floor : Ø11.46*7.8M
GFS tank with enamel roof & floor: Ø 10.7*7.2M
GFS tank with enamel roof & floor: Ø 3.06*2.4M

2nd phase:

drinking water storage tank : Ø 20.64*7.2m

Installation finished: December 2015



▶ Project reference – North America



Fire Water Storage Tanks in Southern California - **Porsche** Speedway

Project Details:

Water storage tank: Ø 7.62*8.5M

Water storage tank: Ø 4.59*3.6M

Installation finished: October 2016



▶ Project reference – North America



Two Portable Water Storage tanks – Yukon, Canada

Project Details:

GFS tank with enamel floor : 12.23*5.4 M

GFS tank with enamel floor : 12.23*7.8 M

Roof type : enamel roofs

Installation Finished on 2018



▶ Project reference - Oceania



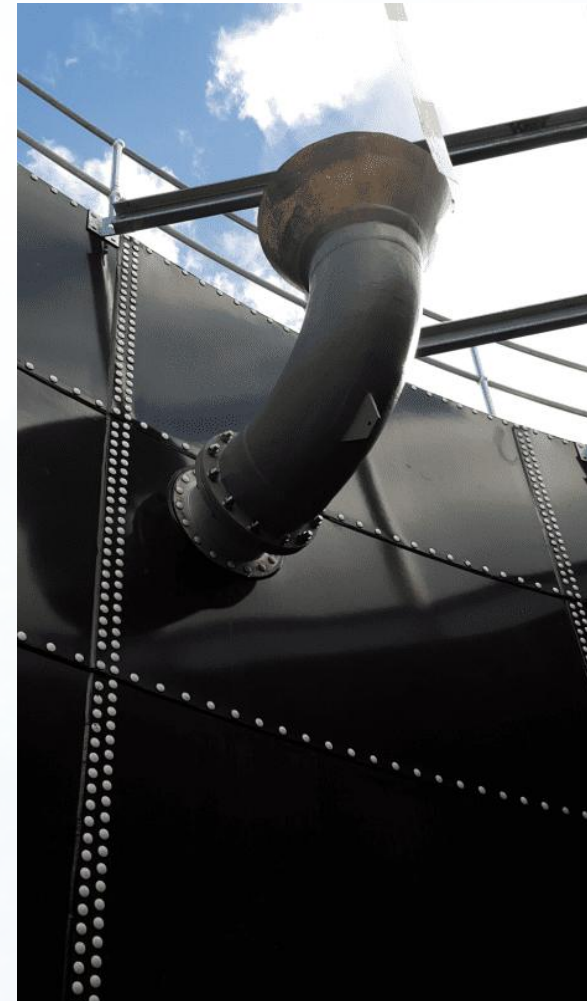
Drinking water storage tank – Melbourne, Australia

Project Details:

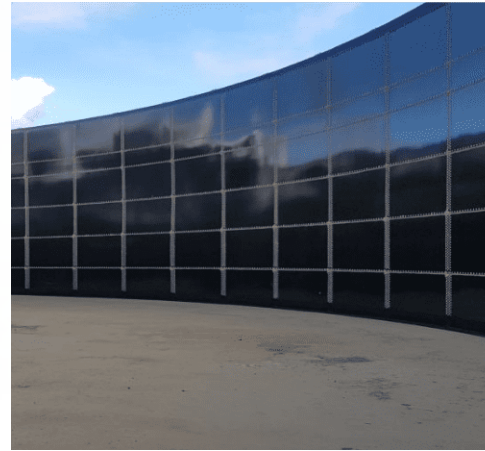
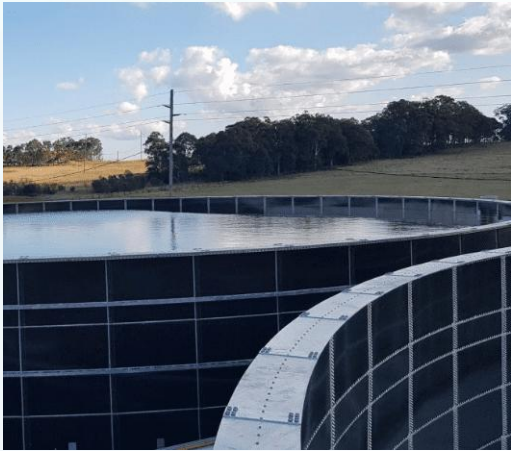
2 sets of Drinking water storage tanks Ø 22.17*6M

Roof type: aluminum alloy deck roof

Installation finished: April 2016



▶ Project reference - Oceania



2*10ML Water Storage Tanks

**NSW government site
Sydney, Australia**

Project Details:

Tank size : \varnothing 46.62*6.6M

Roof type: Open tank without roofs

Installation finished: Aug., 2020



► Project reference - Oceania



Filtered Water Storage Tank - Wallen, Australia

Project Details:

Tank size : Ø 17.58*3M

Roof type: Aluminum alloy deck roof

Installation finished: March, 2015

▶ Project reference - Oceania



WWTP Water storage Tank - Muswellbrook , NSW, Australia

Project Details:

Tank size : 25.99*6.6M

Roof type: Aluminum alloy deck roof

Installation finished: March, 2017

▶ Project reference – Africa



ABInBev WWTP Project - Mozambique

Equalization tank: Ø 15.29*7.2M

Buffer tank: Ø9.17*4.8M

Calamity tank: Ø8.4*6.6M

Anoxic Tank Ø4.59*7.2M

Aeration Tank: Ø15.29*7.2M

MBR permeate tank: Ø4.59*3.6M

Sludge Tank: Ø7.64*3.6M

UASB tank: Ø19.87*9M

Roof type: GFS roof or Aluminum alloy roofs

Installation finished since October, 2019

▶ Project reference – Africa



Anaerobic Digester GFS Tanks – Swaziland

(the **largest** GFS tank built by Asian GFS tank supplier)

Project Details: 2 sets of GFS tanks: \varnothing 56.56*8.4M **(21,094m³)**

Roof type: floating roof by others , Installation finished: Mar.25th, 2020



► Project reference – Africa

Textile Industry Parks Waste Water Treatment Project – Ethiopia

Project Details: 23 tanks for 3 textile industrial parks WWTP at Adama, Dire Dawa and Addis Ababa

1 set of tank: 12.23*4.8m

1 set of tank: 19.87*6.0m

1 set of tank: 23.69*7.2m

2 sets of tank: 25.22*4.8m

3 sets of tank: 24.46*6.0m

1 set of tank: 19.11*6.0m

1 set of tank: 8.41*4.2m

2 set of tank: 6.88*3.6m

1 set of tank: 13.76*6.0m

2 sets of tank: 28.28*7.2m

5 set of tank: 3.82*3.6m

1 set of tank: 17.58*6.0m

1 set of tank: 4.59*3.6m

1 set of tank: 6.88*3.6m

Roof type: aluminum alloy roofs

Installation started since June, 2018



▶ Project reference – Africa

Niger Azelik uranium deposits tanks

- China National Nuclear Corporation Project

Project Details: 6 tanks of life water & fire water Storage

2 * drinking water tanks \varnothing 19.86*4.8M

1 * wastewater tank \varnothing 9.93*4.2M

3 * fire water tanks \varnothing 9.93*3.6M

Installation finished : November 2009



▶ Project reference - Central & South America



Ecuador Drinking water storage project (After the strong earthquake(7.8 grade) in 2016, and it is still stable.)

Project Details:

Tank Qty: 6 sets

Tank size: Ø 18.34*4.8M

Roof Type: aluminum alloy deck roof

Installation finish: January 2016



Una parte de la vía Portoviejo-Rocafuerte colapsado luego del terremoto.

Parámetros	
Fecha y hora	16 de abril de 2016, 18:58:37 UTC-5
Tipo	Falla inversa interplacas (Pacífica, Continental Sudamericana)
Profundidad	20 km ¹
Coordenadas del epicentro	🌐 0°22'16"N 79°56'24"O
Consecuencias	
Zonas afectadas	Con mayor intensidad
 Ecuador Colombia Perú	

▶ Project reference - Central & South America



Colombia Wastewater Treatment Plant

Project Details:

3 sets of wastewater tank $\text{Ø } 6.11 \times 7.2\text{M}$

Roof Type: Glass-reinforced Polyester Roof

Installation Finished on May, 2016



▶ Project reference - Central & South America



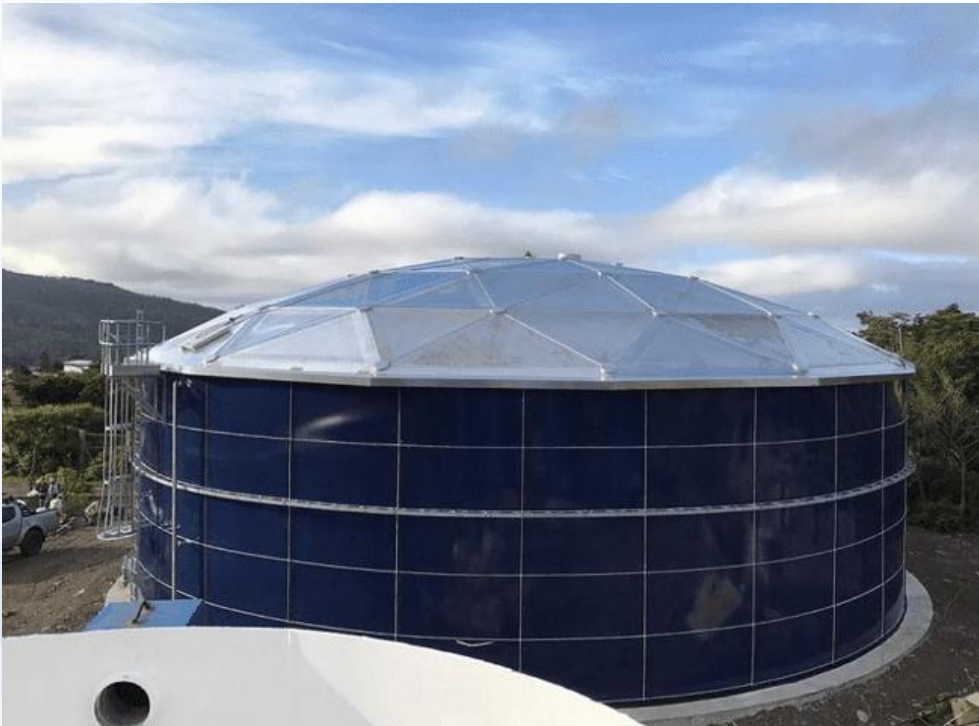
Panama Drinking Water Storage Project

Project Details:

Tank Model: Ø21.4* 6.0m, Ø19.87*5.4m, Ø6.88*6.6m

Roof Type: Alumino dome roof by others

Installation Date: Nov, 2015



▶ Project reference - Central & South America



Panama Drinking Water Storage Project

Project Details:

Tank Model: Ø22.93x4.8M

Roof Type: Alumino dome roof by others

Installation Date: Aug, 2019



▶ Project reference - Central & South America



Chile Water Storage Project

Project Details: Galvanized tank

Tank Model: Ø12.99x4.8M

Roof Type: Galvanized Roof

Installation Date: June 2022



► Project reference - Central & South America



Colombia Drinking Water Storage Project

Project Details:

Tank Model: Ø19.11 × 7.2m

Roof Type: Alumino dome roof by others

Tank Color: **inner white, outter cobalt blue**

Foundation: starter ring

Installation Date: Jan., 2021



▶ Project reference - Central & South America



Costa Rica Drinking Water Storage Project

Project Details:

Tank Model: Ø12.99* 6m

Roof Type: Aluminum alloy flat roof

Tank color: Sky blue

Installation: Nov., 2016



▶ Project reference - Central & South America



Jamaica Drinking Water Tank

Project Details:

Tank Model: Ø10.7×10.8m

Roof Type: aluminum deck roof

Installation Date: Sep, 2017





THANK YOU

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