




**FONCO CONSTRUCTION SDN. BHD.**









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# OUR HISTORY

1987

**1996**

## **Daelim GPP 5&6**

Constructed 24 units of CS storage tanks of various applications, with the largest capacity being 9911m<sup>3</sup>. Total tonnage of the project was estimated to be 725 MT.

**1997**

## **Oil and Gas Flare Jacket**

Construction of flare Jacket for Seligi A Platform & Riser pipe Spool with Monel Sheating for Bekok C.

**1998**

## **Turnkey Projects for Palm Oil Mill & Tea Processing Plants**

We made advancements in the local palm oil mill industry by building the largest plant in East Malaysia and also constructed several turnkey tea processing plants in Malaysia.

**1998**

## **Cone-tapered Storage Tank**

We were the first company in Malaysia to have built cone-tapered storage tanks for the Pulp and Paper Mill owned by Malaysian Newsprint Industries (MNI). A total of 46 SS316L tanks were built for MNI on an EPCC basis, estimated weight is 750 MT.

**1999**

## **BASF Complex Storage Tanks**

A total of 23 units of storage tanks which consists of C.S. and SS316L materials were constructed in accordance to API 650 and 620 on an EPCC basis. Total tonnage was 860 MT.

**1999**

## **Malaysian Olefins Project**

Owned by Petronas / UCC JV, this was our pilot project that had used 3D electronic matching for all structural members and radiant steel panels. This was made possible by developing the shop drawings in 3D format and reassembling the components to check for interference. A total of 7 steel structures/platform and the radiant steel panels for the Olefins Cracking Furnace were fabricated. The total tonnage was 2,500 MT.





**2000****Bechtel Chemical Tank**

Constructed chemical storage tanks for BASF/Petronas Oxo-alcohol project and for Bechtel butanol derivatives project. The tanks were built and designed according to API 620 or API 650 standards. Some are floating roofs tanks.

**2000****Mitsubishi Kakoki PVC Paste Plant Tank**

Constructed four units of storage tanks for PVC Paste Plant for Kaneka Engineering (M) SDN BHD, with a total tonnage of 36 MT.

**2002****Mahkota Technologies Bulk Fuel Oil Tank**

Constructed four units of bulk fuel oil storage tanks on an EPCC basis for Mahkota Technologies SDN BHD with a total tonnage of 69 MT.

**2003****HRSR Casing & Inlet Duct**

A leading fabricator for the HRSR casing panels with internal liner plates and insulation in Malaysia. We have completed these projects with commendable achievements given by Alstom

**2003****AAF Air Intake Filter Houses**

We are strong supporter to the power generation industries with our custom fabrication work on Air Intake Filters Houses, Ductwork, Plenums casing, and supporting platforms. We have offered our expertise in the areas of developing the shop floor detailing and unique manufacturing process to achieve the best quality ever.

**2005****Posco Air Intake Filter Houses**

Custom fabricated three Stage Air Intake Filter Houses for POSCO, South Korea.

**2006****Pulstar Air Filter Houses**

Custom fabricated Pulstar Filter Modules, Clean Air Plenum, and Transition Duct. All modules were exported to San Isidro 2, Chile.

**2010****Malay-Sino Chemicals Industries Tanks**

Constructed four units of storage tanks which include a caustic tank and a brine clarifier tank for Malay-Sino Chemicals Industries SDN BHD, with a total tonnage of 275 MT.



# STORAGE TANKS

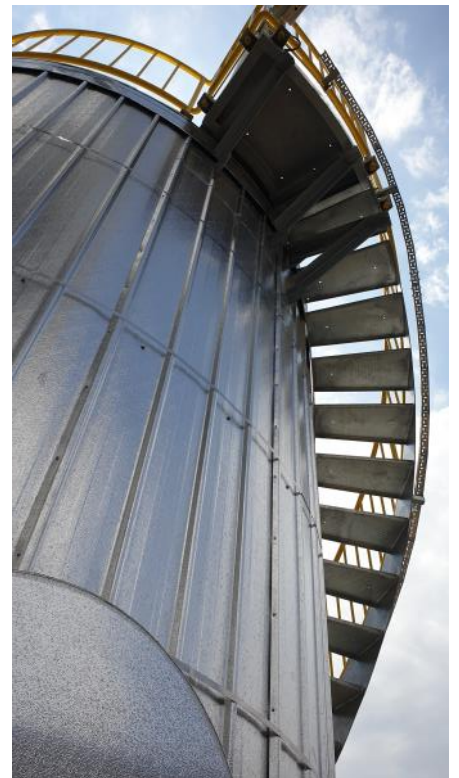
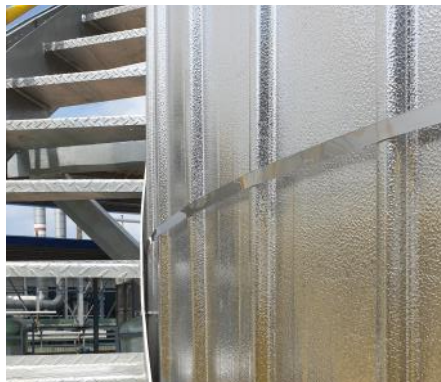


## TORAY PLASTICS MT7 PROJECT, PRAI

Completed in 2020, 4 units of API 650 storage tanks were installed on site for our regular client Toray Plastics Malaysia at their new industrial plant known as TPM3, in Prai, Malaysia.

There are two units of carbon steel storage tanks with dimensions of  $\varnothing 20.5\text{m} \times 21\text{mH}$  (195MT),  $\varnothing 19\text{m} \times 19.5\text{mH}$  (165MT) respectively, and there are two units of stainless steel storage tanks with the same dimensions of  $\varnothing 6\text{m} \times 8.2\text{mH}$  (11MT).





## COGENERATION PLANT STORAGE TANKS

These projects are completed in collaboration with Shinryo (Malaysia) Sdn Bhd to design, fabricate and install insulated stainless steel storage tanks as part of Shinryo's Cogeneration Plant Project for clients like GS Paperboard & Packaging Sdn Bhd (GSPP) in Bangi, and Toray Plastics Malaysia sdn bhd (TPM) in Prai.

The type of services of these tanks include  $\phi 3.8\text{m} \times 4.6\text{mH}$  (6MT) insulated condensate transfer stainless steel storage tank for GSPP, and  $\phi 3.5\text{m} \times 5.5\text{mH}$  (6MT) insulated pure &  $\phi 4\text{m} \times 6\text{mH}$  (7MT) soft water services stainless steel storage tanks for TPM.

# STORAGE TANKS



## STORAGE TANKS FOR RAPID PROJECT PKG4, PENGERANG

This project consists of 2 sour water tanks, 2 lean amine tanks, a liquid sulfur tank, and a fresh amine tank. Total tonnage was 1,810 MT. Completed in 2018, Fonco had worked closely with the main contractor and owner to meet the stringent and necessary requirements throughout the construction phase at RAPID site.

RAPID being one of the largest Petronas project in Malaysia, it is a great privilege and an honour that Fonco was chosen to be one of the industry's players that contribute to the growth of our nation.





## TORAY PLASTICS AN3 STORAGE TANK, PRAI

Completed in 2014, this dome roof tank with 19.5m diameter x 20m height, total tonnage of 146 MT, was built in a live plant with limited space. We had devised a new construction technique and incorporated automatic welding processes that enabled us to complete the construction within record time.



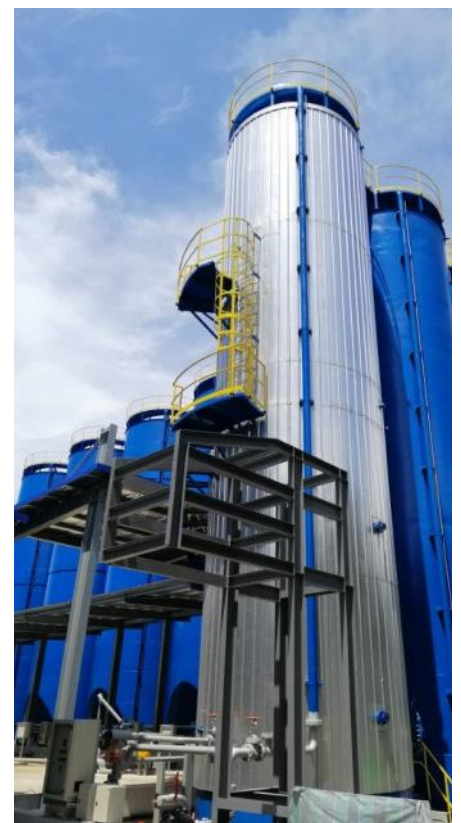
# STORAGE TANKS & SILOS



## PENFIBRE PELLET SILO, PRAI

Completed in 2014, this silo for storing pellet with a dimension of  $\varnothing 4500 \times 25,000\text{mmH}$  (25 MT) was built completely in our plant. The silo was then transported wholly to site and installed with a single lift. Site installation activity was completed within a day, together with connecting spiral staircase which was delivered as a separate package.



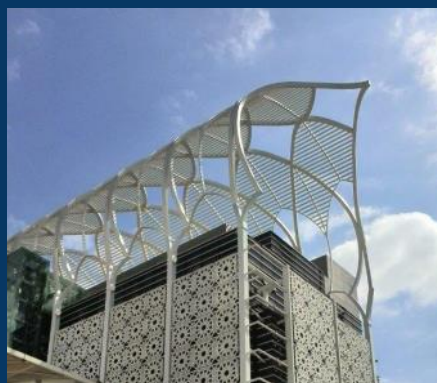


## LUBRICANT OIL STORAGE TANKS, TUAS

Based in Tuas, Singapore, this project consists of 6 base oil storage tanks, 3 blending tanks, and an additive tank with 50mm insulation. The base oil tanks were constructed at the Tuas site, and the remaining four smaller tanks were transported in two assemblies for site assembly and installation. Total tonnage was 250 MT, completed in 2018.



# STEEL STRUCTURES & FAÇADES



## TABUNG HAJI BUILDING ARCHES, PUTRAJAYA

A unique design with three dimensional varying axis was effortlessly captured in our 3D CAD drawing. With sophisticated electronic marking capabilities coupled with shop drawings design to offer simplicity in the erection or installation process, this project was realized and built with utmost precision within a short time frame. All structural members had architectural finishes with all weld seams and joints ground flush. Fonco was responsible for building the Block A, B and D arches totaling 700 MT.





## GUIDEWAY STEEL STRUCTURE, SUBANG JAYA

Spanning 55m in length and 9m in width, the 280 MT guideway was fully constructed in our factory in 5 segments and delivered to site for installation. Splice joints at the ends of each segment were fabricated with laser precision joint alignment.



# ENERGY INDUSTRY PRODUCTS



## SILENCERS

We are a strong supporter of the power generation industries with our custom fabrication works of steam vent silencers, flue gas silencers, and casings. At peak season, we are able to produce 110 units of silencers in a month. These silencers are exported world wide.



## PLENUM DUCT

This is a Central Electricity Board Mauritius project, with the scope of fabricating a plenum duct. Leveraging our in-house 3D modelling capability, we were able to convert our client's CAD model, and incorporated with our proprietary marking technology to speed up our fabrication period. Trial fit activity was conducted in factory, before exporting to Mauritius.



## DIVERTERS

This is a diverter built for Gelugor Power Station, owned by Tenaga Nasional Berhad. This 40 MT diverter were fabricated at shop, with over 2000 units of internal insulation studs welded at precise locations within a 4.6m x 4.6m x 4.6m volume surface area for the installation of internal stainless steel panels.



## STACK DAMPERS

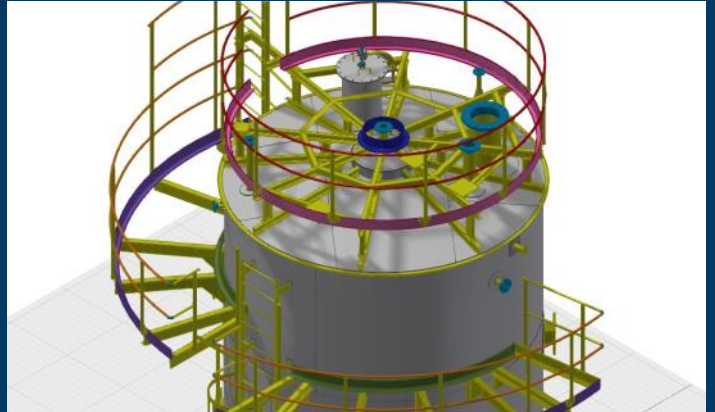
This is a PT Alstom Power Energy Systems Indonesia project with the scope of stack damper fabrication. It is a 7.5m diameter by 0.5m width damper with four rotating dampening blade. Working closely with our client's designer, we have conducted a trial fit in factory to ensure all mechanical features were functional as per requirement before delivery.



# ASSOCIATED SERVICES

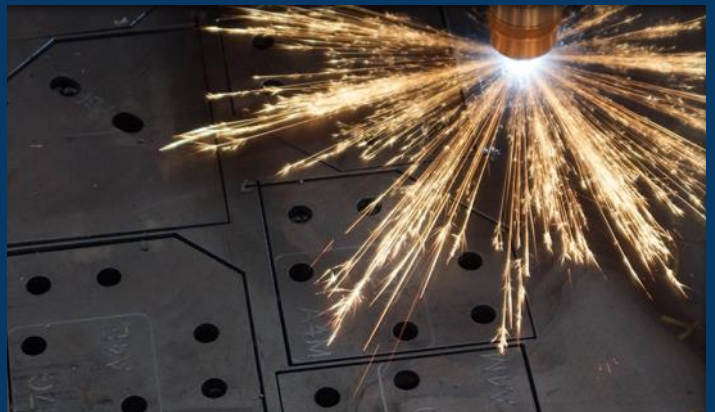
## ENGINEERING & 3D MODELLING

Our expertise lies in storage tanks design to API 620 or API 650 standards. Shop detailing for various categories such as structural steelwork, panel work, storage tanks, pressure vessels, piping & isometric, and 3D assembly and erection drawings can be produced from General Arrangement drawings.



## CNC PLASMA CUTTING

Our CNC High Definition Plasma machine is able to integrate seamlessly with our 3D modelling capabilities, allowing the machine to mark and cut at a high precision level, minimizing human interference in our daily operations.



## SPECIAL WELDING

Our welding specifications are to ASME and AWS code. Welding processes include SAW, SMAW, MIG, TIG, and FCAW, aided by semiautomatic machines to achieve consistent quality. We pride ourselves in tailoring our welding activities to fulfill the specific requirements of our clients.



## PAINTING SERVICE

Sandblasting and painting is part and parcel of our services. We are equipped with automatic grit blasting as well as manual blasting facilities together with an indoor painting area. Our knowledgeable workers are able to deliver a superior painting quality.





# SAFETY COMMITMENT



IT IS IMPERATIVE TO HAVE COMPREHENSIVE SAFETY PROTOCOLS IN PLACE TO ENSURE OUR EMPLOYEES, ASSETS, AND REPUTATION, ARE NOT COMPROMISED AT ALL TIME.

Our employees weld, fabricate, machine, blast and paint in workshops, on client sites, at height, and in confined spaces. Our main aim is to complete each job to the clients' satisfaction and return home safely. Committed to our workforce, we continually monitor and audit our systems, methods and employee welfare. We ensure our workplaces are safe by maintaining robust systems and protocols.

By involving all personnel at every level of the company, we ensure that all staff are aware of health and safety policies. Investing time and energy into workforce training is a priority within our company to ensure our and our clients' needs are met. With committed and dedicated management personnel and the cooperation and involvement of the workforce, we are able to deliver quality products and services to the industry without compromising safety.

## SAFETY FIRST, DO IT THE RIGHT WAY FROM THE START



# QUALITY ASSURANCE

## AIMS

We are committed to the pursuit of Excellence in Quality with a vision to be the market leader, specializing in the core activities in Engineering Design & the Fabrication of metallic products by providing premium quality services to our customers that exceeds mutually agreed requirements.

## QUALITY CONTROL

The quality of our product is vital to the success of our client. Inspection and testing of our product are executed according to client's requirement, international design codes and statutory inspection checks. Our team of experienced QC personnel assist our production team to ensure that all quality requirements are consistently met.

## DOCUMENTATION

We produce Manufacturing Data Record volumes routinely for all projects.

## COMMITTED TO PRODUCING QUALITY SOLUTIONS







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