



LT AIR ENGINEERING PTE. LTD.

Your partner towards a cleaner and more sustainable environment

Think environment, Think LT Air



ABOUT US

LT Air Engineering Pte Ltd is an environmental engineering company founded by a chemical engineering professional with a penchant for a cleaner and more sustainable environment for all to live in.

With more than 10 years of experience behind us in the field of air pollution control and fibreglass (FRP) products, we have also moved into the renewable energy sector in line with our company vision. We are certified to perform the design, installation and maintenance of solar photovoltaic (PV) systems.

Using our technical expertise and intimate industry knowledge, we strive to provide a total solution to customers in the field of **air pollution and odour control systems**, **solar PV systems** as well as **FRP products** in industrial, commercial, residential and institutional sectors.

Our Vision

To build a cleaner and more sustainable environment through our solutions in air pollution control and clean energy.

Our Mission

To provide reliable and cost-effective solutions in air pollution and odour control, with honesty and integrity as our guiding principles.

Our Values

- Long Term relationship with all stakeholders based on integrity, trust and honesty
- A clean and sustainable environment for all and future generations
- Integrate 'out of the box' bespoke solutions for our clients' unique requirements
- Recognise importance of team work and our staff as human capital who are essential parts of our success



Chemical Storage Tanks with Platform



FRP Plenum Box

BUSINESS OVERVIEW

Air Pollution & Odour Control

We design, fabricate, supply and install abatement systems including wet scrubbers in horizontal cross-flow and vertical counter-current configurations as well as activated carbon filters.

These systems provide high removal efficiency against acids, caustics, chlorine, ammonia, solvents and VOCs just to name a few.

Our systems are used in waferfabs, semi-conductor plants, municipals, wastewater treatment plants, chemical industry, F&B industry, institutions, schools, chemical warehouse and any industry that uses or stores chemicals.

We also supply and install selective catalytic reduction (SCR) systems and diesel particulate filters (DPF) which are particularly useful for high temperature applications involving oxides of nitrogen (NOx), hydrocarbons (HC) and particulate matter (PM).

These are commonly found in off-road engines and boiler exhausts.

Solar Photovoltaic (PV) Systems

When it comes to renewable (clean) energy, our team is certified to perform the design, installation and maintenance of solar PV systems including:

- Grid-connected PV system where excess power generated from your PV system can be exported to the grid.

These are commonly found on the roofs of HDB blocks, commercial and industrial buildings, institutions as well as private residential buildings.

- Standalone PV system where it is not connected to the grid.

These systems can be used to power up appliances in remote areas or in areas where power supply is not readily available.

We can integrate the standalone system into a skid for easy transportation. Equipment such as lightings and pumps can be integrated into the standalone system as well.

FRP Products

We manufacture a wide range of fibreglass products, serving practically all industries and even residential homes.

Some of these common products include:

- Water and Chemical Storage Tanks
- Dilution Tanks
- Ducts, pipes, fittings and dampers
- Cooling tower inlets, outlets and other accessories

Examples of miscellaneous products include:

- Wear Pads
- Enclosures
- Chequered plate covers
- Cable trays

Scrubber Systems



2,300 CMH Caustic Scrubber System
for a local wafer fab



16,200 CMH Acid Scrubber System
for the labs of a local university



3,000 CMH Acid Twin Scrubber System for a waste treatment plant



Mini Chlorine Scrubber System for the R&D lab of a local university



Emergency Chlorine Scrubber System for a local manufacturing plant

Activated Carbon Filters



16,200 CMH V-Bank Activated Carbon Filter for the labs of a local university



Inline Activated Carbon Filter for Ductwork



2,900 CMH Deep-Bed Activated Carbon Filter System for a wafer fab in Singapore

Selective Catalytic Reduction (SCR) System



40,140 CMH SCR System for high temperature NOx abatement.

The NOx fumes are generated from a testing facility for land-based engines up to 2,200 kW in size.



FRP Tanks



5 m³ Cylindrical Conical Bottom Chemical Mixing Tank for a local chemical plant



3.5 m³ Cylindrical Mixing Tanks for a local manufacturing plant



8.8 m³ Decomposer Tank for a plant in Jurong Island



Sodium Hypochlorite Skid Tanks for a chemical plant in Singapore

Dilution Tanks



6.3 m³ Centralised Dilution Tank
for a local university



Localised Dilution Tanks for
the labs of a local polytechnic



Localised Dilution Tank
for a local hospital



FRP Ducts



Ø1,500 mm x 5,000 mm(L) Round Plenum Box for the laboratory exhaust of a local university



Ø450 mm x 3,000 mm(L) Round Ducts for a chemical additives manufacturing plant



Rectangular Ducts for a local water treatment plant

Other FRP Products



Wear Pads for steel pipes support



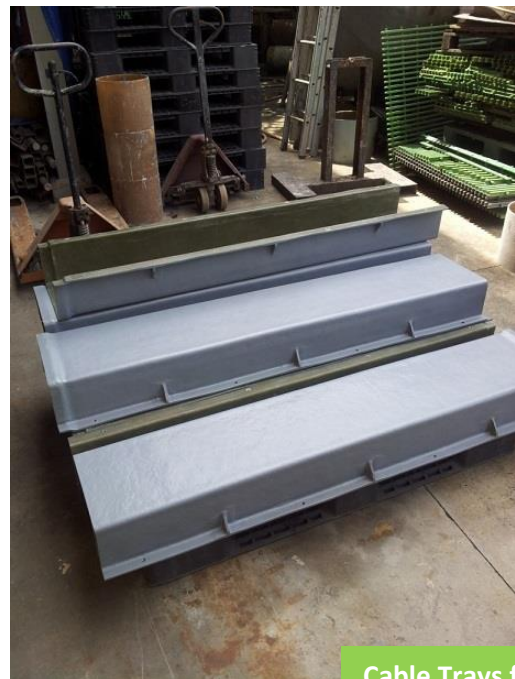
Cooling Tower Outlets



Chequered Plate Covers
for pumping station



Enclosures for
equipment storage



Cable Trays for FPSOs

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Company Registration No. 201707180Z

100 Peck Seah Street
#08-14 (PS100)
Singapore 079333

Web: www.ltairengineering.com

Email: sales@ltairengineering.com

Follow Us on Facebook: facebook.com/ltaireng