



LT Air Engineering Pte Ltd

Business Presentation



LT AIR ENGINEERING PTE. LTD.

Your partner towards a cleaner and more sustainable environment

Think environment, Think LT Air

An environmental management company with an aim to create a cleaner and more sustainable environment for all.

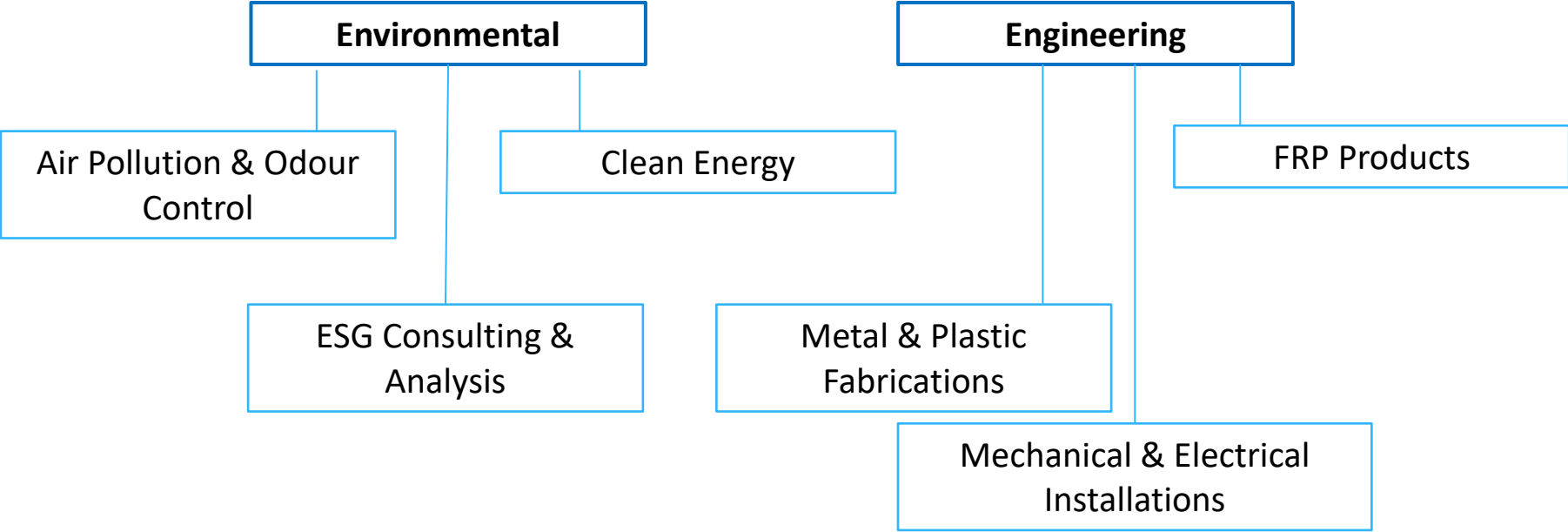
We leverage on **technology, engineering expertise** and our **deep knowledge in sustainability** to solve today's environmental problems.

Through our ~20 years of experience, we provide solutions for air pollution & emission control, equipment fabrication & installation and fibreglass (FRP) products. Over the years we have designed and installed numerous systems in Singapore and other parts of Asia.

In line with our company vision, we are also certified to perform the design, installation and maintenance of solar PV systems for renewable energy projects.

Through our team of technical experts with intimate industrial knowledge, we provide holistic consulting and advisory service in the area of Environmental, Social and Governance (ESG) for businesses.

Business Overview



Business Overview

Air Pollution & Odour Control

We provide turnkey solution for abatement systems including:

1. Wet Scrubbers

- Horizontal crossflow and vertical counter-current configurations

2. Activated Carbon Filters

- Horizontal and vertical deep bed configurations as well as V-bank configurations

3. Project Consultancy Service

- For clients who prefer to supply the pollution abatement system themselves, we provide technical consultancy package for air pollution and odour control (APOC) process and systems for your project to meet regulatory requirements

4. System Maintenance

Air Pollution & Odour Control



- **Horizontal Cross-Flow Scrubber System**
- **Dosing System**



Vertical Counter-Current Scrubber System



Mini Scrubber System for cleanrooms & laboratories



Activated Carbon Filter System

- **V-Bank configuration**
- **Horizontal / Vertical Deep-Bed configuration**
- **Inline Duct configuration**





Combined Systems for a waste treatment plant

- Vertical Wet Scrubber followed by Activated Carbon Filter



Selective Catalytic Reduction (SCR) System
- Supply, install, test and commission

Business Overview

ESG Consulting & Advisory

1. Analysis & Report

- Sustainability strategies and policies setting
- ESG consulting and analysis
- Gaps identification and materiality reporting

2. Advisory

- Air pollution and odour control system detail design
- Solar photovoltaic system detail design

ESG Consulting & Advisory

(Company name redacted for confidentiality reason)

ESG ANALYSIS REPORT



ESG Analysis Report Done for an Oil & Gas Company

Contents of the Report

01 Company Overview

02 Identified Material Issues

03 Annual Report Summary Analysis Vis-a-Vis SDG's

04 Suggestions to Manage Identified Issues

05 Conclusion

06 Appendix

(Company name redacted for confidentiality reason) | ESG Analysis Report

SDGs	Areas of Strength	Existing Gaps	Areas for Development
	<ul style="list-style-type: none"> Provide transparently about company data divided by gender 	<ul style="list-style-type: none"> Company indicates only quantitative data. Lack of female participation in the company 	<ul style="list-style-type: none"> Promote discrimination, violence, trafficking, against women and girls in the operations Recognize the unpaid worker with provisions
	<ul style="list-style-type: none"> Tracking of consumption of water and sewage discharge 	<ul style="list-style-type: none"> Quality criteria for discharge, mitigation actions for discharge, disclosure of processes for impact assessment, Tracking consumption of water from water stress areas. Accounting for freshwater/other water intake, 	<ul style="list-style-type: none"> Improving water data disclosure and monitoring effectiveness and impact of
	-	<ul style="list-style-type: none"> Pursuit of renewable energy alternatives or reducing current fuel/energy sources. Energy efficiency or consumption disclosures 	<ul style="list-style-type: none"> R&D into transition away Efforts in more efficiency and
	<ul style="list-style-type: none"> Employee training, policy to support local communities, business and jobs- HSSE framework and workers rights Supplier no-gift policy 	<ul style="list-style-type: none"> Strengthening the HSSE framework Enhancing policy to work with locals/SMEs Proper supplier assessment criteria/framework 	<ul style="list-style-type: none"> Tracking the e outcomes of s Supplier/emp or ethics

Detailed analysis of the annual report against each SDG along with the corresponding GRI standards 2021



Business Overview

Metal & Plastic Fabrications

LT Air Engineering tie-up with partner businesses – each an established entity in their respective field, in a strategic network to offer a one-stop solution to clients for their project and fabrication needs.

Examples of products fabricated:

1. Steel Skids and Structures

2. Steel Housings

3. Aluminium Trolleys

4. Customised Ducts, Adapters and Silencers

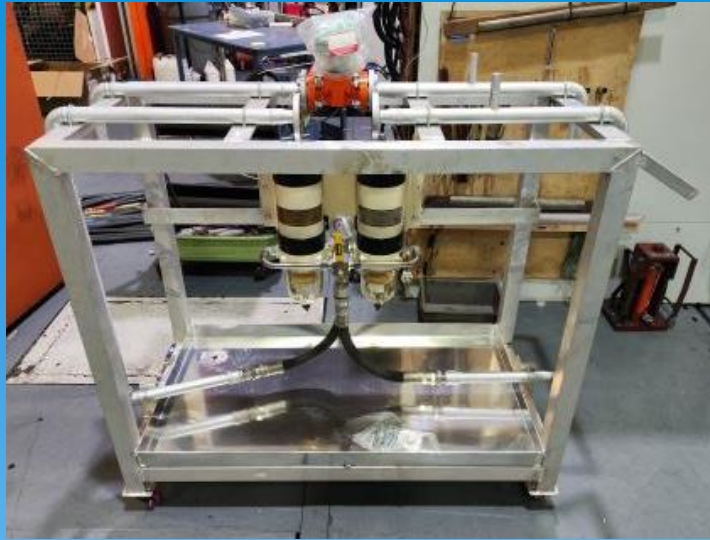
Metal & Plastic Fabrications



FRP-lined Steel Skids



Galvanised Steel Housing



Customised Aluminium Trolley



Galvanised Steel Silencer



Galvanised Steel Structure

PVC Tanks and Testing Apparatus



PP Damper and Ducts



Business Overview

FRP Products

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

Some of these common products are:

1. Water and Chemical Storage Tanks

2. Dilution Tanks

3. Ducts, Pipes, Fittings and Dampers

4. Cooling Tower Accessories

Examples of miscellaneous products include:

1. Sunshades and Roofings

2. Enclosures

3. Wear Pads

4. Chequered Plate Covers, Cable Trays

FRP Products



Decomposer Tank

**Waste Water Holding Tank
for PUB Plant**



**Skidded
Mixing Tanks**





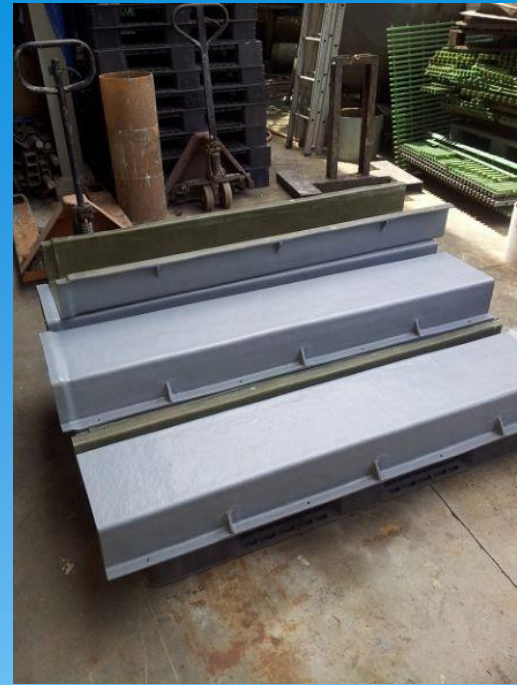
Chemical Storage Tanks with Customised Steel Skid and Platform

Fibreglass Ductings, Dampers and Fittings





FRP Enclosures



FRP Cable Trays for Vessels



Cooling Tower Accessories

Business Overview

M&E Installation

1. Ducting and Piping Installation

- G.I., Stainless Steel, PP, PVC, PE, PPS, FRP and other materials

2. System Installation

- Chemical, exhaust, ventilation, acid cleaning line, storage tank

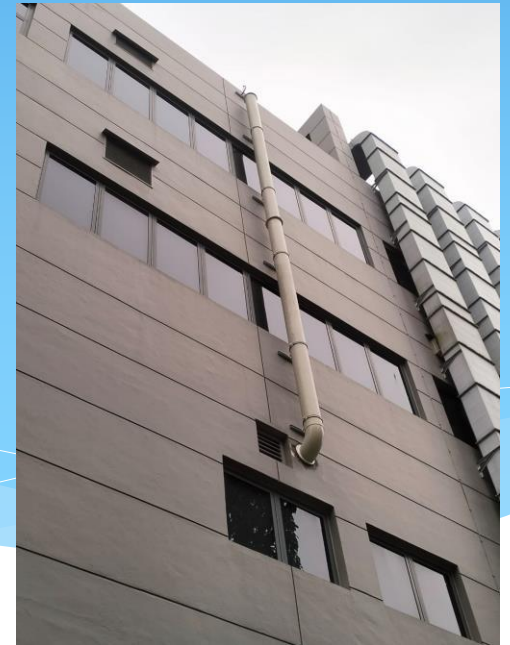
3. Electrical Work

- Data and power cable terminations, PLC programming, field wirings

4. General Installation

- Facade, partition, office, etc

5. Dismantling Work



Selected Project References (Air Pollution & Odour Control)

End User / Client	Project Description	Year of Completion	Location
STM / Hitachi Plant Services	Project Consultant for 70,000 CMH HCl Scrubber x 2 units	Ongoing	Singapore
Technetics Group	Design, fabricate, supply, install, test & commission: 2,160 CMH Acid Scrubber System x 1 unit	2023	Singapore
SSMC Pte Ltd	Consultant for VOC Abatement System Project	2022	Singapore
SSMC Pte Ltd	Project Consultant for 22,100 CMH Ammonia Scrubber	2021	Singapore
Veolia ES Singapore Industrial Pte Ltd	Design, fabricate, supply, install, test & commission: 3,000 CMH Acid Scrubber System x 1 unit 2,000 CMH VOC Scrubber System x 1 unit 2,000 CMH VOC Activated Carbon Filter System x 1 unit	2019	Singapore
Belfor (Asia) Pte Ltd	Design, fabricate, supply, install, test & commission: 600 CMH Activated Carbon Filter	2018	Singapore
AMS Sensors Asia Pte Ltd	Design, fabricate, supply, install, test & commission: 5,100 CMH Acid Scrubber System x 1 unit 2,300 CMH Caustic Scrubber System x 1 unit 2,900 CMH Solvent Activated Carbon Filter System x 1 unit	2018	Singapore
FRP Pollution Engineering Sdn Bhd	Project Consultant for 18,000 CMH Acid Scrubber System	2017	Malaysia
Orapi Applied (S) Pte Ltd	Design, fabricate, supply, install, test & commission: Chlorine Scrubber System	2017	Singapore
Chemical Industries (Far East) Limited	Consultant for Chlorine Scrubber Validation	2017	Singapore
Pesu Asia Pte Ltd	Design, fabricate, supply, test & commission: 800 CMH Ammonia Scrubber System	2016	Singapore
Mitsubishi Heavy Industries Engine System Asia Pte Ltd	Supply, install, test & commission: 40,140 CMH SCR System for Nox	2016	Singapore
Prima Group	Design, fabricate, supply, test & commission: 2,700 CMH Chlorine Scrubber System	2015	Sri Lanka
Yale-NUS College	Design, fabricate, supply, install, test & commission: 5,400 CMH Acid Scrubber System x 2 units 5,400 CMH Activated Carbon Filter System x 2 units 16,200 CMH Acid Scrubber System x 1 unit 16,200 CMH Activated Carbon Filter System x 1 unit	2014	Singapore

Selected Project References (Ductings and Pipings)

End User / Client	Project Description	Year of Completion	Location
Resorts World Sentosa (RWS)	Fabricate and supply: FRP Ductings and Fittings (Various sizes)	Ongoing	Singapore
Mitsubishi Heavy Industries Engine System Asia Pte Ltd	Design, fabricate, supply and install: High Temperature SS304 Exhaust Duct with Flexible System and Adapters	2024	Singapore
Technetics Group	Design, fabricate, supply and install: Ø250 mm PP Ducts and Fittings	2023	Singapore
Siltronic	Installation: Ø700 mm - Ø1,800 mm & 1,800 x 1,800 mm PPS, SS304 and Teflon-coated Ductings	2023	Singapore
Mitsubishi Heavy Industries Engine System Asia Pte Ltd	Supply, install and modify: Ø350 mm High Temperature Stainless Steel Ductings	2022	Singapore
CMC Materials	Supply and install: PP Exhaust Ductings	2022	Singapore
ST Engineering	Fabricate and supply: Ø150 mm - Ø200 mm FRP Ducts and 1,250 mm(L) FRP Exhaust Hoods	2022	Singapore
Veolia ES Singapore Industrial Pte Ltd	Supply and install: Ø250 mm - Ø500 mm FRP Ductings	2019	Singapore
Belfor (Asia) Pte Ltd	Supply and install: Ø150 mm and Ø200 mm PVC Ductings	2018	Singapore
Micron	Fabricate and supply: Ø380 mm FRP Tee Manifold Header	2018	Singapore
Turbine Overhaul Services Pte Ltd	Fabricate and supply: Ø800 mm FRP Manual Damper and Collar Flanges	2018	Singapore
Airtician	Fabricate and supply: Ø230 mm FRP Cooling Tower Outlet Elbows	2018	Singapore
Arkema	Fabricate and supply: Ø250 mm - Ø610 mm FRP Ductings	2017	Singapore (Jurong Island)
Chemical Industries (F.E.) Pte Ltd	Supply and install: Ø100 mm and Ø125 mm PVC Ductings	2017	Singapore

Certification



Date of issue: 03/11/2023



C E R T I F I C A T E

The Workplace Safety and Health Council
is pleased to certify that

LT AIR ENGINEERING PTE. LTD.

has fulfilled the requirements to attain bizSAFE Level 4

This certificate is valid till 02/11/2026

Christopher Koh

General Manager
Workplace Safety and Health Council



Thank You

Think environment, Think LT Air

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