



ASIA PROJECTS ENGINEERING PTE LTD

EMPOWERING ENGINEERING WITH INNOVATION



A member of KYUDENKO Group





Asia Projects Engineering Pte Ltd, APECO, was established in 1970 through collaboration between local and Japanese shareholders. Initially, it commenced its operations as an equipment installer for various facilities including local Singapore quarries plants, granite crushing plants, cable cars, satellite station, and port's handling container cranes.

Through its adept skills and specialised services, APECO garnered the attention of Babcock-Hitachi, leading to transformative opportunities in participating in power plant construction and maintenance projects alongside Babcock-Hitachi. Babcock-Hitachi (now Mitsubishi Power) acquired a portion of shares in the 1970s during the flourishing years of the power plant industry in Singapore, driven by the intent to transfer expertise from Japan and successfully establishing a proficient power plant specialist team in Singapore.

During the flourishing era of power plants, APECO seized its inaugural overseas venture opportunity in Indonesia during 1980's supporting the local power plant projects and maintenance works, concentrated its efforts in this niche market segment.

Since its inception, APECO has consistently provided top-tier services characterised by high quality, reliability, and cost-effectiveness across various domains including design, engineering, procurement, construction, commissioning, and maintenance encompassing mechanical, electrical, instrumental, control, civil, structural, and related works. Our unwavering dedication to excellence, coupled with a steadfast commitment to safety, has been instrumental in fostering our outstanding reputation and cultivating strong relationships with esteemed clients and business partners alike.

In 2013, Kyudenko Corporation has acquired a substantial share in APECO, aligning with their strategic penetration into the Southeast Asian market and synergising with their other regional subsidiaries' resources. This acquisition significantly benefitted APECO, fortifying its financial position and facilitating its entry into the Southeast Asian business arena.

Subsequently, APECO seized a favorable opportunity in 2019 to venture into Bangladesh, focusing on local power plant projects and maintenance services.

Our VISION

Our Vision is to become the top-notch company in Engineering, Procurement, Construction, Commissioning, and Maintenance service in Asia.

Our MISSION

Our Mission is to bring added value to customers as one team with the highest standard of Safety, Quality, Reliability, Environmental Responsibilities and Professionalism.

- A**dhere to legal and governmental requirements
- P**rogress with good team work based on mutual respect
- E**stablish safe, secure and healthy work environment
- C**ontinue to learn and develop ourselves
- O**ptimize our resources for customer satisfaction

Our Core VALUES

APECO'S JOURNEY

Here is our passionate journey and growth across various industries over the years



1970s

The Early Year

Main role as skilled installer for;

- PSA Quay Cranes, Cable Car System, Quarry Plants, Earth Station Satellite Antenna, & Power Energy Plant.
- Establishment of Plant Services (Maintenance)

START

1972 - SENOKO POWER PLANT

1976 BHK



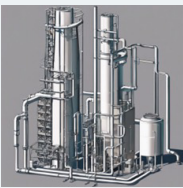
1977 - PAKISTAN

1978 - MALAYSIA

1980s

Expansion Year

Expand involvement in other Process Plants Construction (refinery, petrochemical) while maintaining existing Power Energy Plant services.



Growing Year

Growing involvement in Power Energy Plants across Singapore.

1990s

1987 - PULAU SERAYA POWER PLANT

1987 - SRI LANKA

1983 - REP'S OFFICE

1999 - KURARAY PETROCHEMICAL PLANT

1999 - TUAS POWER PLANT



1994 - PT APECO KENCANA

1994 - SENOKO GASWORKS



New Millenium, EPCC Year

Establishment of EPCC in Engineering Design, Mechanical & Piping, Electrical, Control & Instrumentation, Civil & Structural, providing one stop service solution.

2000s



2005 - DISTRICT COOLING, DCPI

2007 - PHARMACEUTICAL (PFIZER) TRI-GEN

2010 - DISTRICT COOLING, DCP2, MBS (EPCCM)

2011 - SEMBGAS FACILITY

2013

KYUDENKO CORPORATION

2014 (BHK merger)

MHPS MITSUBISHI HITACHI POWER SYSTEMS

2003 - NATURAL GAS FACILITY, SENOKO (EPCC)

2005 - ONSHORE NATURAL GAS RECEIVING FACILITY, ATTAP VALEEEY (EPCC)

2006 - MARINA BARRAGE, & NEW WATER PLANT

2012 - BIOMASS

2013 - SLNG

2016 - SOLAR

2017 - SARULLA GEOTHERMAL INDONESIA (OPERATION)

2018 - NTU-NEA WTE

2019

NEW BRANCH OFFICE

2019 - WATER DESALINATION

2020 - MHPS rename MITSUBISHI POWER

2024



Sustainable Year

Active involvement in sustainable program & technologies;

- EV, Solar, Hydrogen, Carbon & NOX reduction, BESS, BMS, EMS & other green solutions.

Renewable Year

Involvement in Renewable Technologies in Solar Panel Energy System.



FUTURE

- ✓ Attained ISO9001:2015
- ✓ Certifications in 1999

- Attained ASME Stamps S & R in 2001
- Attained the following certifications in 2005
 - ISO14001:2004
 - OHSAS18001:2007 (superseded by ISO45001)
- Attained the following certifications in 2020
 - ISO45001:2018



ECOLOGY & GREEN ENERGY

Singapore Building and Construction Authority (BCA) Registered Contractor



BCA = Building and Construction Authority

Registered Contractors

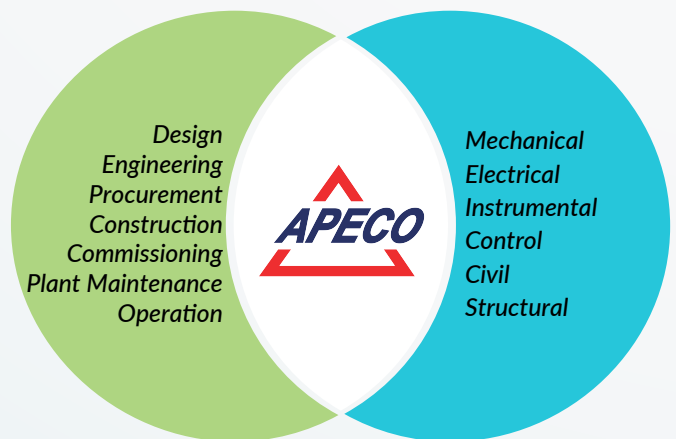
Tendering Limit

ME11 (Mechanical Engineering)	L6 (Unlimited)
ME05 (Electrical Engineering)	L6 (Unlimited)
ME01 (Air-Conditioning, Refrigeration & Ventilation Works)	L3 (5 Million)
ME03 (Solar PV System Integration)	L1 (0.8 Million)
CW02 (Civil Engineering)	B2 (16 Million)
SY08 (Mechanical Equipment, Plant & Machinery)	L4 (8 Million)
SY09 (Mechanical Materials Products & Components)	L4 (8 Million)

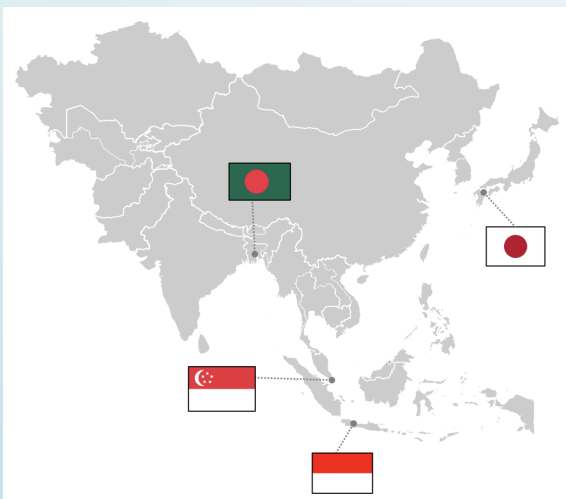
Licensed Builders

GB1 General Builder Class 1
SB(SS) Specialist Builder (Structural Steelwork)

“ A comprehensive turnkey contractor specialising in Engineering Design, Project Management, Procurement, Construction, Commissioning, and Plant Maintenance Services (EPCCM), with expertise in Mechanical, Electrical, Instrument, Control, Civil, and Structural domains.



Our Foothold in Asia



Our business establishment in Asia

JAPAN (APECO's Shareholder)

KYUDENKO CORPORATION
FUKUOKA

SINGAPORE (APECO's HQ)

ASIA PROJECTS ENGINEERING PTE LTD (APECO)

BANGLADESH (APECO's Branch Office)

ASIA PROJECTS ENGINEERING PTE LTD
DHAKA

INDONESIA (Affiliated Company)

PT APECO KENCANA
JAKARTA

OUR MAJOR CLIENTS/ SUPPLIERS

POWER ENERGY INDUSTRIES	DISTRICT COOLING INDUSTRIES	OIL, GAS & PETROCHEMICAL INDUSTRIES
		
OWNER/CLIENT	OWNER/CLIENT	OWNER/CLIENT
<ul style="list-style-type: none"> ▪ Senoko Energy ▪ Tuas Power ▪ YTL PowerSeraya ▪ Sembcorp Industries ▪ PacificLight Power ▪ Keppel Merlimau Cogen ▪ General Electric ▪ Mitsubishi Heavy Industries ▪ Mitsubishi Power ▪ Siemens Energy ▪ Sumitomo Heavy Industries ▪ Marubeni Corporation ▪ Mitsubishi Corporation ▪ TuasOne (Waste-to-Energy Plant) ▪ Pfizer Aisa Pacific 	<ul style="list-style-type: none"> ▪ SP Group ▪ Singapore District Cooling ▪ Keppel DHCS ▪ MHI Asia Pacific 	<ul style="list-style-type: none"> ▪ JTC Corporation ▪ Keppel Gas ▪ SembGas ▪ City Energy ▪ Asahi Kasei Plastics Singapore ▪ Keppel Infrastructure Holdings ▪ Keppel Seghers ▪ Keppel Energy Nexus ▪ Oiltanking Asia Pacific ▪ Sembcorp Industries ▪ Shell Chemical Seraya ▪ Shell Bukom ▪ Total Energies Marketing Asia-Pacific Hiddle East ▪ Neste (Bio-Diesel Plant) ▪ Mitsui Engineering & Shipbuilding ▪ Samsung C&T ▪ JFE Engineering Singapore
AUTHORISED AGENT & DISTRIBUTOR	TRUSTED OEM	
<ul style="list-style-type: none"> ▪ DEKOMTE de Temple Kompensator-Technik ▪ EMW Filtertechnik 	<ul style="list-style-type: none"> ▪ Chillers; Mitsubishi Heavy Industries, Daikin & Trane. ▪ Pumps; Ebara, Grundfos, Torishima & etc, ▪ Cooling towers; Matrix cooling, Newin, & Truwater ▪ Valves; Kitz & Velan ▪ Control; ABB & etc, ▪ Transformer: Schneider, SGB, ABB & etc. ▪ Switchgear: ABB, Schneider Sunlight, etc. 	
RENEWABLE ENERGY INDUSTRIES	WATER TREATMENT INDUSTRIES	OTHER INDUSTRIES
 <p>(Solar, Hydrogen Electrolyser, Fuel Cell, Wind Turbine, BMS, EMS, EV Charging Station & System Integration)</p>		
OWNER/CLIENT	OWNER/CLIENT	OWNER/CLIENT
<ul style="list-style-type: none"> ▪ National Environment Agency (NEA) ▪ TP Utilities - Tembusu Multi-Utilities Complex (TMUC) ▪ Keppel EaaS ▪ Solar Turbines ▪ Tuas Power Generation ▪ NParks ▪ EPS ▪ YTL Power Seraya ▪ SP Group 	<ul style="list-style-type: none"> ▪ Public Utilities Board (PUB) ▪ Jurong Island Desalination Plant (JIDP) ▪ Marina East Desalination Plant 	<ul style="list-style-type: none"> ▪ Mount Faber Leisure Group ▪ Singapore Canoe Federation

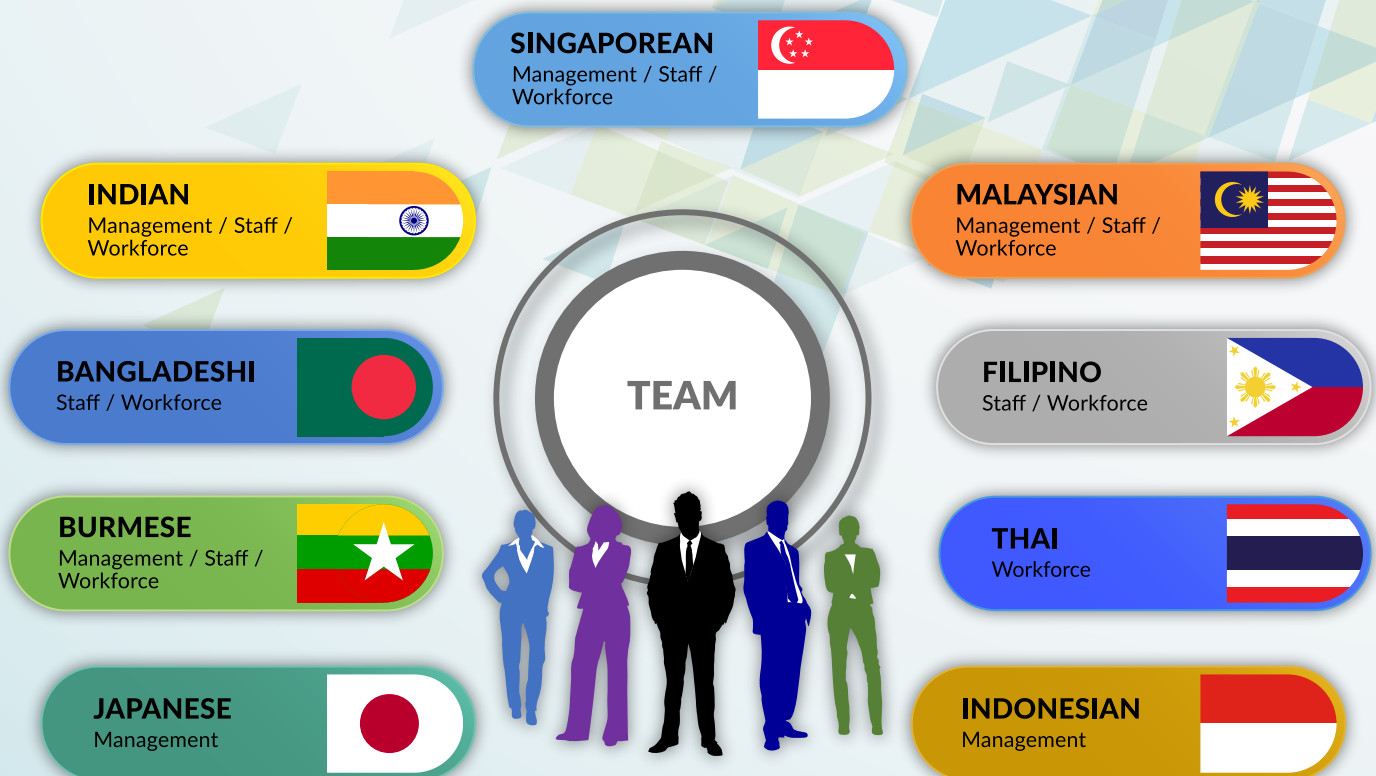
OUR FORMATION & STRENGTH

≈500

Here is our organisation structure by division, and manpower strength on each division displayed.



DIVERSITY IN RESOURCES



Management / Staff

34%

Workforce

66%

*"We are from different countries
We are here to make a difference"*

OUR TRADE SKILL

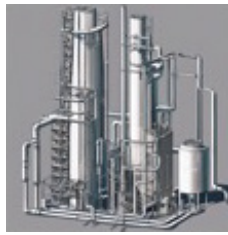
- Mechanical & Piping
- Electrical, Instrument & Control
- Civil & Structural
- Engineering Design
- Project Management
- Procurement
- Construction
- Commissioning
- Plant Maintenance & Operation



Engineering Design,
Procurement, Project
Management,
Construction &
Commissioning



Plant
Maintenance
& Operation



Mechanical
& Piping



Electrical,
Instrument &
Control



Civil &
Structural

OUR ENGINEERING SKILLS

Mechanical

- Piping Design & Stress Analysis
- Heat Exchangers Sizing & Selection Supported by OEMs
- Chiller & Boiler
- Hot & Cold Insulation
- 3D Scanning & Simulation
- Pumps

Electrical

- Transformer
- Cabling works
- Lighting
- Earthing & Lightning
- Short circuit analysis & Load Flow Analysis

Instrumentation & Control

- Pressure sensor
- Temperature sensor
- Level indicator
- Control System

Civil

- Civil Foundation Design
- Piperack, Pipe Bridge and related Pipe Support Structure Design
- Warehouse Building & Shelter Design
- Pumps, Tanks, Equipment Plinth Support & Platforms Design
- Piling Design

Plant Maintenance

- Power Plant (Cogen, Trigen, CCPT)
- Waste to Energy Plant
- Biomass Power Plant
- Water & Waste Water Treatment Plant
- Desalination Plant
- District Cooling Plant
- Jetty & On-Shore Fuel Loading/ Unloading Station
- Natural Gas Station
- Tank Farm Facility

Renewable Energy

- Solar Power Plant
- Hydrogen Facility
- Batteries Energy Storage System (BESS)
- BMS & EMS
- Wind Power



SINGAPORE MAP

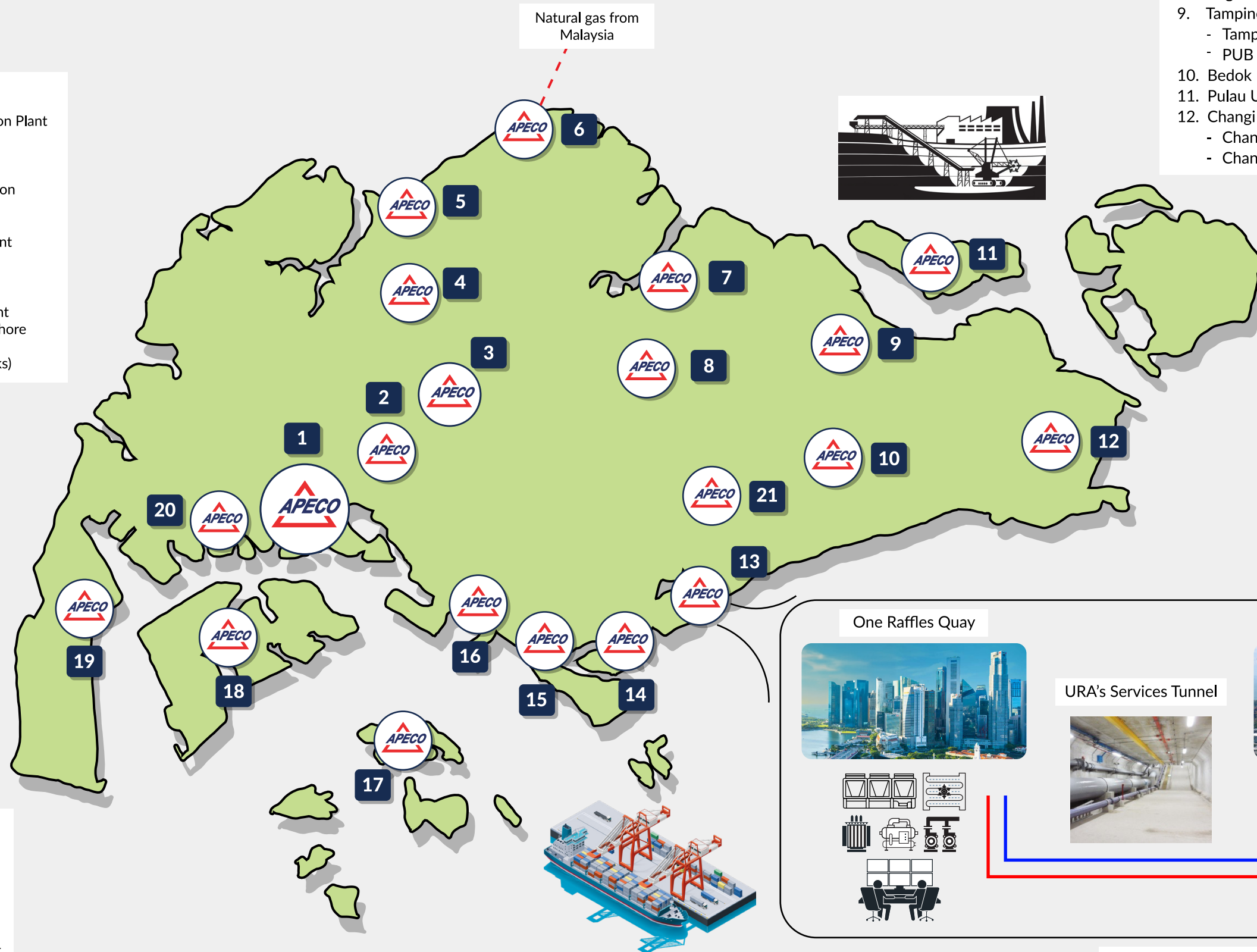
1. HQ - 32 Penjuru Road
2. Ulu Pandan
 - Ulu Pandan Water Reclamation Plant
 - Chestnut Water Works
 - Ulu Pandan NEWater Plant
3. SPPG Toh Tuck Gas Holder
4. Bukit Timah Satellite Earth Station
5. Mandai
 - Mandai Quarry
 - Kranji Water Reclamation Plant
6. Senoko
 - Senoko Power Station
 - Senoko Gas Plant
 - Senoko Waste-to-Energy plant
 - Attap Valley Natural Gas Onshore Receiving Facility
 - City Energy (Senoko Gasworks)

19. Tuas
 - Tuas Power Station
 - Tuas South Incineration Plant
 - TuasOne WtE
 - WtE Research Facility
 - Pfizer Asia Pacific
 - TotalEnergies
 - Tuas Water Reclamation Plant
 - Tuas South Desalination Plant
 - Tuas Desalination Plant
 - Neste Refinery Plant
20. Exxon Mobil Refinery
21. SP Group

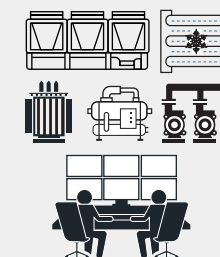
17. Shell Pulau Bukom / Ular
18. Jurong Island
 - Refer to separate map

Natural gas from Malaysia

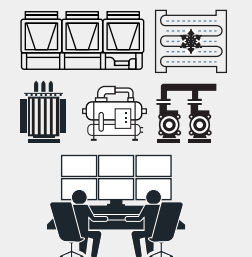
7. Lower Seletar Water Works
8. Ang Mo Kio District Cooling Plant
9. Tampines
 - Tampines Sand Quarry Plant
 - PUB Variable Salinity Plant
10. Bedok NEWater Factory
11. Pulau Ubin Granite Crushing Plant
12. Changi
 - Changi Airport
 - Changi Water Reclamation Plant



One Raffles Quay



Marina Bay Sands



URA's Services Tunnel



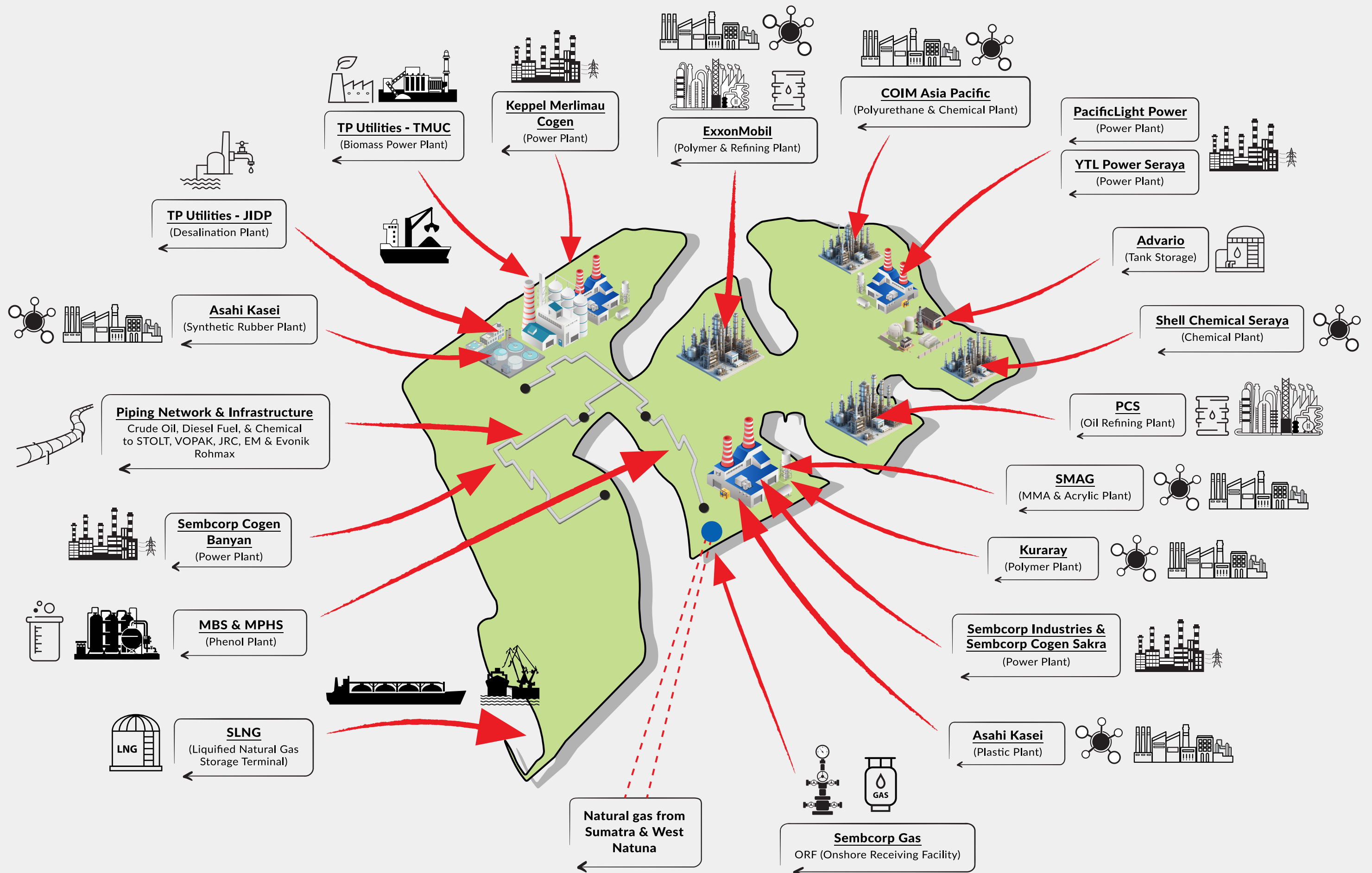
Marina Barrage's Crest Gates















13. Marina Bay
 - District Cooling Plant 1 (One Raffles Quay)
 - District Cooling Plant 2 (Marina Bay Sands)
 - Marina District Cooling Network Piping
 - Marina Barrage
 - Marina East Desalination Plant
14. PSA Ports Crane
15. Singapore Cable Car
16. Pasir Panjang Power Station







SINGAPORE - JURONG ISLAND MAP



OUR PLANT MAINTENANCE SERVICES

POWER PLANT		
Gas Turbines	Experienced brand; MHI, Siemens, Alstom, & GE	   
Steam Turbines	Experienced brand; Hitachi, Mitsubishi, Siemens/ Parsons	
Generators	Experienced brand; Melco, Hitachi (MHI), Brush	
Conventional Boilers	Clearing deposit at boiler tube banks, furnace, flue ducts, & repair.	 
Heat Recovery Steam Generators	Inspection, assessment of boiler pressure parts & repair.	 
Biomass Clean Coal Cogen Plant	Maintenance & operate; circulating fluidized bed boilers, natural gas/ diesel fired boilers, steam turbine generators, demineralized water treatment plant & waste water treatment plant.	 
Others	Overhaul & maintenance of forced draft fan & re-circulation fan, pumps & valves. Storage tanks cleaning & maintenance works.	 

OVERHAUL, REPAIR & SERVICING CENTER AT 32 PENJURU ROAD

Pumps and Motors - Multistage feed water pumps, centrifugal pumps, screw pumps, vacuum pumps, piston pumps, etc.	<ul style="list-style-type: none"> - Overhaul Pump and Motor - Minor repair of pump parts - Fabrication of new parts - NDT of dismantle pump parts - balancing of pump - Hydrotest - alignment 	 
Varies Type of Valves - Safety valves, motorized valves, actuator valves, manual valves, & etc.	Servicing include; lapping of seat, replacement of parts, casing repair, safety valve pop test.	 

WATER INDUSTRY

District Cooling Plant, Water Reclamation Plant, Desalination Plant, Water Treatment Plant, Waste Water Treatment Plant.

OUR COMMITMENT AND INITIATIVES

for **SAFETY, QUALITY** and **GLOBAL SUSTAINABILITY**



RoSPA Health & Safety GOLD Award
(The Royal Society for the Prevention of Accidents)



WSH (Workplace Safety and Health) Leadership Convention: ChemPact 2024 (nominated as one of 27 companies nationwide)



Hosting Seminar on Sustainability and Efficiency improvement solution with global business partners



Yearly In-house Safety Campaign



Credentials and Testimonials from our prestige clients



Study session of 3D scanning technology



OUR CARE FOR **PEOPLE** AND **COMMUNITY**

for our *EMPLOYEES* and *FAMILIES*



Long Time Service Award for 50 years dedication!



Culture of Acceptance, Respect and Empathy (CARE) Award by WSH Council



"An Employer of Choice"



Children Visit Day



for our *Community*



"ONE APECO ONE FAMILY"
55th Anniversary celebration
with Families & Loved Ones



Marina Reservoir Spring Cleaning



Dialogue session with Japanese
high school students



MR. TONY ONG MANAGING DIRECTOR

As we stride into the future, we are fueled by a profound commitment to openness and continuous improvement. Our journey ahead is marked by a relentless pursuit of excellence, underpinned by a robust business acumen that empowers us to navigate the dynamic landscape ahead.

At APECO, we firmly believe in the power of teamwork. Together, we transcend challenges, leveraging our collective strengths to overcome obstacles and emerge stronger. Our collaborative spirit is the cornerstone of our success, propelling us towards our shared goals with unity and resilience.

In the face of evolving economic landscapes, we remain unwavering in our commitment to relevance and sustainability. Embracing change as an opportunity for growth, we adapt swiftly and strategically, ensuring our enduring presence in an ever-shifting market.

As we embark on this journey together, let us uphold the values of openness, collaboration, and adaptability. Together, we will forge a path towards success, driven by our shared vision and unwavering determination.

Here's to a future of boundless possibilities.



ASIA PROJECTS ENGINEERING PTE LTD

(A member of KYUDENKO Group)

Incorporated on 13 July 1970

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CORPORATE MEMBER OF



Connect • Engage • Grow



GAS ASSOCIATION
OF SINGAPORE



THE SINGAPORE CONTRACTORS ASSOCIATION LTD



SINGAPORE WATER ASSOCIATION

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CERTIFICATIONS



CERTIFICATE

