



Asia Projects Engineering Pte Ltd  
(A member of KYUDENKO Group)







Empowering Engineering with Innovation

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## Our Achievements

### Standard Certification

- ISO 9001 in Quality System
- ISO 14001 in Environmental Management System
- OHSAS 18001 in Health and Safety Management System

### The American Society of Mechanical Engineers (ASME)

- ASME "A" Stamp for Assembly of Power Boilers
- ASME "PP" Stamp for Fabrication and Assembly of Pressure Piping
- ASME "S" Stamp for Manufacture and Assembly of Power Boilers

### The National Board of Boiler and Pressure Vessel Inspector

- "R" stamp for Metallic Repair and/or Alteration
- "NB" stamp for Register Boilers, Pressure Vessels or Other Pressure Retaining Items

### Others

- BCA Registered Contractor
- BizSafe Star
- MOM Approved Scaffold Contractor
- Qualified Electrical Contractor by ACES/IES



# Asia Projects Engineering

Asia Projects Engineering Pte Ltd also known as APECO, has over decades of experience in providing integrated solutions and services in Engineering, Procurement, Construction, Commissioning, Fabrication, Maintenance and Material Handling.

APECO has grown to be a leading engineering and maintenance company serving diversified industries which include Power, Petrochemical, Oil & Gas, Utility and Infrastructures Industries.

Our staff possess over decades experience in the industry, paired with extreme efficiency and professionalism. You know you are in safe hands. A veteran corporation in catering infrastructural developments internationally, APECO has been able to include some of the largest Power Generation Companies in Singapore and Indonesia as its clients. We are one of South-East Asia's most trusted engineering companies. Coupled with today's technology our innovative approach allows you to get the best out of our team of engineering experts.

Engineering is a specialized and delicate field that calls for essential technical skills and innovation using progressive, cutting-edge tools. It requires time, passion, knowledge, skill and commitment.



## Our Vision & Mission

Our Vision is to continue moving forward as the leading company in Engineering, Procurement, Construction & Commissioning in Singapore and South-East Asia.

Our Mission is to bring added value to the works that we undertake – to build long term partnerships with our customers while constructing and maintaining their plant with the highest standards of quality, reliability and professionalism – and at the same time, adhering to stringent safety standards and environmental responsibilities.


## Our Core Values

- Adhere to legal and other requirements**
- Professionally managed projects**
- Excellent quality, environmental, health and safety performance**
- Continual improvement of management system**
- Optimum customer satisfaction**





# OUR BUSINESS



Foster successful growth with innovative new opportunities

## Project & Construction Department

The department oversees various kinds of engineering projects, focusing on construction and erection works, executing them with updated technical skills, professionalism and dedication.

The department is responsible for on time project completion, delivering high quality project and safety standard, supported by our dedicated experience project managers, engineers, and workforce.

## Engineering & Proposal Department

The dedicated and stable management team is equipped with strong engineering capabilities, latest CAD, 2D/3D Modelling & Design Analysis software.

The department is responsible for design, technical feasibility study & engineering works.

# OUR BUSINESS



## Maintenance & Operation Department

The department takes care of various kinds of maintenance, operation, refurbishment work and reliability improvement 24/7 all year round.

The department is responsible to support client facilities maintenance & operation activities as well as their reliability development programme, planning and executing tasks without compromising our high quality & safety standards.

## Fabrication Department

The department oversees various kinds of fabrication works.

The department is responsible for the timely delivery & quality of fabricated material as per specification. Our fabrication department is equipped with latest fabrication machines and supported by our Workshop Manager, QA/QC engineer, as well as our skilled workforce.



# OUR BUSINESS



## Civil Department

The department oversees various kinds of civil engineering projects, focusing on plant-related constructions which include piling, equipment foundation, steel structure pipe rack and other above ground building works.

The department is responsible for cost effective, quality and timely completion of all civil engineering works, backed by our dedicated team of Civil Engineers and skilled workforce who will always deliver and meet our customer's needs.

## Electrical & Instrumentation Department

The department oversees various kinds of electrical & instrumentation project & maintenance work. Our E&I department have been supporting and working together with the Mechanical & Maintenance Department in various major projects.

The department is supported by highly experienced Electrical & Instrumentation Manager, Electrical & Instrumentation Engineers, Skilled Technician & Electrician.



# PROJECTS

Our passion for engineering has allowed us to have an innovative approach to get the best results.



## Power Plant

### TUAS POWER STATION

- 2 Units of 600 MW Boilers & Balance of Plant
- 2 Units of Combined Cycle Plant Block 3 & 4
- \* 15,000 m3 Diesel Oil Tank
- \* Modification and Conversion 73,000 M3 Fuel Oil Storage Tank 6 For Diesel Oil Storage (DOST6)
- \* Installation of one 15,000m3 Diesel Oil storage tank & transfer facility (DOST9)

### PULAU SERAYA POWER STATION

- 3 Units of 250 MW Boilers & Balance of Plant
- 2 Units of Combined Cycle Plant
- \* Tank Farm upgrading

### SENOKO POWER STATION

- Stage I Repowering Project
- Stage II Repowering Project
- \* Fuel Oil Storage Facilities Upgrading

## Oil & Gas

- \* New On-Shore Receiving Facility at Attap Valley for Keppel Gas
- \* On-shore Receiving Facility SembGas GSA-2 Modification
- \* On-shore Gas Receiving Facilities
- \* A&A works to Attap Valley On-shore Receiving Facility
- \* Fuel Oil Tank at Tuaspring
- Mechanical Work for secondary berth at SLNG terminal in Jurong Island
- Tank Farm 86 & 87 Pipeline Modifications at Oil Tanking Terminal in Jurong Island

\* EPCC: Engineering, Procurement, Construction and Commissioning

• C: Construction



## District Cooling

- Construction of Singapore District Cooling Plant 1
- \* Marina District Cooling Network Piping
- \* Singapore District Cooling Plant 2
- Modification of Heat Exchanger System at One Marina Boulevard.
- Chiller System at Pfizer Tuas

## Utilities

- Tri-Generation Plant at Pfizer Tuas
- Installation of Filtering System & Piping at Ulu Pandan Newater Plant
- Piping Works at Changi Water Reclamation Plant
- \* Steam Piping and Pipe Rack System at Pfizer Tuas
- Marina Barrage Crest Gate & Stop Log Installation
- \* Hydrogen pipeline from MPS to PCS, Jurong Island
- \* Isobutylene pipeline from Lanxess to DIC Alkylphenol, Jurong Island
- \* Construction of pipe bridges & concrete sleepers for service corridors, Jurong Island

\* EPCC: Engineering, Procurement, Construction and Commissioning

- C: Construction

## Petrochemical

- Construction & Commissioning for Molten Sulphur Storage Tank at SRC Jurong Island
- Piping Work for SMAG-III Project, Sakra Island
- Piping Work for ExxonMobil SPT - SPP2 Project, Jurong Island
- Piping Work For ExxonMobil SPTOF Project, Jurong Island
- Mechanical Works for ExxonMobil, Aurora West Project, Jurong Island



# MAINTENANCE & OPERATION

## Maintenance, Operation & Rehabilitation/Refurbishment

Power Plant | Gas Plant | Utilities Plant | Coal Handling Equipment



You do not get an uncertainties when working with APECO. We always deliver our promises.

### Power Plant

- Long Term Service Agreement for Gas Turbine Maintenance CCP1, CCP2, CCP3, CCP4 at Tuas Power Station
- Long Term Service Agreement for Gas Turbine and Auxiliaries for CCP 6 & 7 at Senoko Power Station
- Maintenance Contract for Biomass Clean Coal Cogeneration Plant, Boilers, Steam Turbine Generator and Auxiliaries at Tuas Power Tembusu Multi- Utilities Complex in Jurong Island
- Overhaul, Servicing, and Repair Works For Tuas Power Station Stage II Combined Cycle Plant , and Stage I Boiler and Steam Turbine Plant
- Various Boilers, Gas Turbine, Steam Turbine, Generator & Auxiliaries Maintenance for Tuas Power, Senoko Energy, Power Seraya, Keppel Energy
- Various overseas maintenance works for Gas Turbine, Steam Turbine & Generator
- Upgrading of Stage 1 Train B & C Electro-chlorination Plant at Tuas Power Station
- FOST5 Tank Roof Replacement Work at Seraya Power Station
- Demolition Work of Stage 2 Boilers and the structures at Senoko Power Station.

# MAINTENANCE & OPERATION



## Utility Plant

- Maintenance of Crest Gate System at Marina Barrage
- Maintenance of District Cooling Plant
- Comprehensive Maintenance of Bar Screens at Ulu Pandan Water Reclamation Plant

## Gas Plant

- Gas Compressor Maintenance Work at Citygas & PowerGas

## Material Handling & Operation

- Oil Terminal Operation at YTL PowerSeraya
- Lime Stone & Gypsum Handling at YTL PowerSeraya
- Operation of Biomass/Coal Unloading Jetty and Associated Transfer and Storage Facilities at Tuas Power Multi-Utilities Complex in Jurong Island

## Others

- Cable car maintenance work at Mount Faber



# SAFETY, HEALTH & ENVIRONMENTAL



## Compliance

We place safety and environmental awareness with the highest importance and shall comply with laws & regulations established by relevant authorities.



## Safety Campaign

Continuously and non-exhaustive safety awareness incorporated in our daily work with check and re-check approach, together with the implementation of Safety Management System for regular review on effectiveness.



## Investing In Our People

We constantly stay up to date with industry practices and apply the international code of safe work practice. By engaging in the best work ethics, we aim to make each worksite a thriving environment for all, where our staff can perform to the best of their abilities, delivering works of the highest value and quality.



## Environmental Responsibility

APECO realizes its responsibility towards environment and minimizes carbon foot print while operating our businesses. We carefully & continuously monitor our waste, pollution and environmental impact. APECO is willing to take part in creating a sustainable world, working hand in hand with organizations who share the same vision as us.



# OUR CORE COMPETENCY

Inspire New Ideas

## Power Generation Installation & Construction

- Co-generation
- Tri-generation
- Gas Turbine
- Steam Turbine
- Generator
- HRSG
- Boiler
- Gas Compressor
- Electro-Chlorination Plant
- Tank
- Stack
- Jetty Fender
- Electrical, Instrumentation & Control
- Painting & Insulation
- Testing & Commissioning

## Chemical & Petrochemical Plant

- Boiler
- Reactor Column
- Pressure Vessel
- Tank
- Piping

## District Cooling Plant & Piping Network

- Chiller & Heat Exchanger
- Cooling Tower
- Pumps & Air Compressor
- Transformer & Switch Gear

## Oil & Gas

- Water Bath Heater
- Gas Filter
- Ultrasonic Flow Meter
- Turbine Meter
- Gas Chromatography
- Pressure / Flow Regulating System
- Flow Computer
- CCTV and FIDS
- Gantry Crane
- Marine Loading Arm
- On-shore Receiving Station
- Piping & Pigging System
- Testing and Commissioning

## Pharmaceutical

- Tri-generation
- Absorption Chiller
- HRSG
- Transformer

## Material Handling Equipment

- Dock & Container Crane
- Conveyors
- Bulk Un-loader
- Dock Arm
- Baggage Conveyor System

## Steel Mild Equipment

- Wire Rod Mill
- Rolling Mill
- Oxygen Plant
- Gas Scrubbing Equipment

## Quarry Plant

- Granite Crushing Plants
- Sand Plant
- Conveyors & Hoppers
- Storage Bin
- Vibrating Screen

## Piping & Steel Structure Works

- High Pressure Piping
- Carbon Steel Piping
- Stainless Steel Piping
- Duplex Steel Piping
- Alloy Steel Piping
- Pipe Rack
- Steel Structure Shelter & Building
- Hot & Cold Insulation
- Painting

## Plant Maintenance & Operation

- Co-generation
- Tri-generation
- Gas Turbine
- Steam Turbine
- HRSG
- Boilers
- Generator
- Condenser
- Heat Exchanger
- Air Heater
- Valves
- Rotating & Auxiliary Equipment
- Band Screen & Sea Water Intake
- Dock & Container Crane
- Tank Refurbishment Works
- Marine Loading Arm
- Coal Handling Equipment
- Water Dam Crest Gate System
- Cable Car
- Painting & Insulation
- Coal Handling Operation
- Oil Terminal Operation



# OUR MAJOR CLIENTS

Collaboration and Trust

## EPC Project Client

- COIM Asia Pacific Pte Ltd
- Keppel Infrastructure Holdings Pte Ltd
- Oiltanking Odjell Singapore Pte Ltd
- Pfizer Asia Pacific Pte Ltd
- Pipenet Pte Ltd
- Sembcorp Industries Ltd / Sembcorp Gas Pte Ltd
- Senoko Energy Pte Ltd
- Siemens Pte Ltd
- TP Utilities Pte Ltd
- Tuas Power Generation Pte Ltd
- UES Holdings Pte Ltd
- YTL PowerSeraya Pte Ltd

## Construction Work Client

- AE&E Australia Pty Ltd
- Alstom Power Singapore Pte Ltd
- Babcock-Hitachi K. K.
- Cockerill Maintenance & Ingénierie (CMI)
- Hitachi, Ltd
- Hitachi-Plant Technologies, Ltd
- ISK Singapore Pte Ltd
- Keppel Seghers Engineering Singapore Pte Ltd
- Koh Brothers Group Ltd
- Marubeni Corporation
- Mitsubishi Corporation
- Mitsubishi Hitachi Power Systems
- Mitsui Engineering & Shipbuilding Co., Ltd
- PSA Singapore
- Samsung C&T Corporation
- Singapore Refining Company Pte Ltd
- Solar Turbines International Company

## Maintenance Work Client

- City Gas Pte Ltd
- Hyflux Ltd
- Invista (Singapore) Pte Ltd
- Keppel Merlimau Cogen Pte Ltd
- Mount Faber Leisure Group
- National Environment Agency (NEA) Singapore
- NewEarth Singapore Pte Ltd
- PSA Singapore
- PacificLight Power Pte Ltd
- PowerGas Ltd
- Senoko Energy Pte Ltd
- TP Utilities Pte Ltd
- Tuas Power Generation Pte Ltd
- YTL PowerSeraya Pte Ltd

## OEM

- General Electric
- Hitachi
- Mitsubishi Hitachi Power Systems
- Siemens



Asia Projects Engineering Private Limited (APECO)  
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Established on 13 July 1970

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Achieving Recognition:



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