

Yew Choon Pte Ltd
 No. 8 Pioneer Sector 1, Singapore 628420. Tel: (65) 6861 1808 Fax: (65) 6861 1789
 Email: yewchoon@singnet.com.sg Website: www.yewchoon.com

Yew Choon Technology Pte Ltd
 No. 8 Pioneer Sector 1, Singapore 628420. Tel: (65) 6861 3629 Fax: (65) 6861 3819

Yew Choon Marine Pte Ltd
 No. 8 Pioneer Sector 1, Singapore 628420. Tel: (65) 6861 1808 Fax: (65) 6861 1789

Siam Yew Choon Co., Ltd.
 128/79 Fl.7 Phayathai Plaza, Phayathai Rd., Rachatawee, Bangkok 10400.
 Tel: (662) 219 2861-2 Fax: (662) 219 2860 Email: yewchoon@singnet.com.sg

YEW CHOON
 The Onshore & Offshore Heavy Lift Specialist.



Thriving On Challenges - Developing Solutions

Yew Choon employs experts at every level, highly trained people with a hands-on mentality, people who are interested in new developments and innovations, people who take pride in their teams, convinced of their cause. That's why we dare to take on carefully considered challenges, to keep on going.

We provide solutions for all kinds of transport or logistics problems with the mindset to save unnecessary costs for our clients – transshipment, land transport, escorts, permits, sea transport, harbour handling, lifting and handling, industrial moving, import, re-export, storage and turnkey projects.

Petrochemical Industry

Yew Choon has extensive experience in the transport, lifting and positioning of large vessels, columns, towers, splitters, absorbers, reactors, having successfully completed projects in Singapore, Indonesia and Thailand.



Land transportation of a deck unit from assembly yard to jetty.



At the jetty, load-in of cargo onto barge.



Deliver to site by barge.



Delivery of all 60 deck units nearing completion.



Bridge Installations

Yew Choon is best known in bridge installation for the IRR Project in Thailand. It is a testimony of the meeting of minds between the customers representatives and experts leading to time-saving, cost-efficient solutions. Consequently, Yew Choon was able to deliver 60 bridge deck units, each weighing 500 tons and measuring 36.5mx15mx5m by land and waterway to the Chao Phraya River job site within 180 days, much to the satisfaction of all stakeholders.

Committed To Civil Projects

The successful outcome for any civil project is the culmination of Yew Choon's involvement at the early stages. In the process, our specialists would have carried out preliminary engineering, route reconnaissance, detailed studies and careful planning, all leading to a seamless land and sea transport of the heavy load.



Old engine block skid-out.



New engine block skid-in.



Bangladesh
Exchange of a 18-cylinder engine block
at a 110MW Power Barge in Haripur.
Cargo: 130 Tons Engine Block.



Skidding

Two types of skidding systems may be used – the light duty system for 250 metric tons loads and heavy duty system for loads up to 1000 tons. In this case, the heavy duty skidding system was able to get the job done.

Marine Operations

Skidding out a 130 tons old engine block and skidding in a new one is tough enough, but it is tougher when done on water. Yew Choon was assigned this challenging operation from barge to barge and completed the task successfully.



Internal shifting of 1400 tons offshore structure.



Land transport by self-propelled trailer.



Vessel on hydraulic trailer.



Special cargo needs special solutions.



Arrival at quay for transfer to ship.

Hydraulic Trailers – A Workhorse of Yew Choon

At the heart of Yew Choon's many successes in onshore and offshore operations is the hydraulic trailers, including self-propelled trailers. Built-up from modules and assembled in various combinations to form a flat platform, the hydraulics distribute the load equally over the axles. With a capacity of 34 tons per axle, Yew Choon's 84-axle hydraulic trailer can deliver a maximum load of 2850 tons.

Marine Industry

Singapore is a major shipbuilding and shiprepairing centre and her port is also one of the world's busiest. Naturally, Yew Choon can count on shipyards among its clientele.



Singapore
PPL Shipyard assigned Yew Choon to shift this 700 tons Legwell within the yard.



Singapore
Yew Choon moved 14 units of these Modules and Structures from the storage area to the sea-front. The biggest is 850 tons, 29.5 x 19.3 x 12m.



Thailand – Indonesia
Transportation of 10 units Skids, total weight: 1,404 tons from fabrication yard in Laem Chabang, Thailand to Batam, Indonesia.



Singapore
Load-on 650 tons heavy lift at UDL Shipyard.



Singapore
Ro-ro and lashing onto barge of 504T gas production plant module, 30.5 x 26 x 17m and 410T Module, 27 x 24 x 10.7m, sea transport from GSI yard to Sembawang Shipyard.

All The Right Equipment & Expertise

Current inventory

- 84-axle hydraulic trailers, self-propelled trailers. More than 60 low-bed & flat bed conventional trailers
- 10 mobile/crawler cranes ranging from 50 tons to 650 tons capacity
- 7 tugboats with a range of 1080 BHP to 2400 BHP
- 8 heavy duty barges of 180'x50'x12' to 280'x80'x16' with deck loads of 10-20 tons per square metre
- High capacity skidding and jacking systems to lift, lower or slide oversized loads

Oil & Gas Industry

Singapore is home to the world's biggest builder for oil rigs. With a thriving rigbuilding industry at our doorstep, Yew Choon has had its fair share of assignments to transport jackets, legwells, spudcans, etc.

Singapore
Load out of 700T Heavylift,
44.3 x 27 x 5m from
fabrication yard
to PPL Shipyard.



Singapore
One of 5 Heavylifts, total
weight: 1,126 tons
delivered to PPL Shipyard
from UDI Shipyard.



Yew Choon operates its own fleet of tugs and barges.



Load-on 420T Legwell and 420T Spudcan at
Unithai Shipyard, Thailand.



Safety, Quality & Environmentally Responsible

Yew Choon leaves nothing to chance. The full implementation of Yew Choon safety management system guarantees the safety of our staff and that of our clients and their on-site contractors. We adhere to protocols, procedures and standards for the technical aspects of the land and marine transport, craning, lifting and skidding work, the working methods and we are environmentally responsible. This is Yew Choon's policy for any operation governing Safety, Quality & Environmental Responsibility.

Oil & Gas Industry

The completed production platform for oil and gas exploration is one massive structure. Often, the components of the platform which by themselves can also be huge, are prefabricated within the yard or overseas. Yew Choon regularly shifts and moves these items within the yard or provides complex onshore and offshore transportation for those from overseas.



Jacking by 600 tons 4-point lift system...



...on to trailer.



Lifting turbine on trailer.



Offload from barge by ro-ro system with double ramp.



Road transportation.



Delivery to site.



Ballasting for height clearance.



Thailand
Yew Choon's assignment includes receiving direct from ocean vessel, lashing, transport by barge, lifting, ro-off and inland transportation.

Receiving heavy lifts for 2 x 700MW Gas Fired Combined Cycle Power Blocks.



Initial Involvement – Better Solutions

For complex transport operations, Yew Choon believes in getting involved at the initial stages to develop better and cost-efficient solutions. Pre-testing of engineering concepts leads to collaborative engineering with customer representatives leading to win-win solutions.

Power Generation Industry

Our barge with ballasting and mooring equipment was put to good use when there was the need to get past a bridge. Besides supplying the conventional and self-propelled trailers, we are also equipped with the 4-point jack to lift the heavy loads onto trailer for inland transportation. At times, Yew Choon even takes on the role of a civil contractor, building temporary roads when the need arises.

Singapore

3 Generators, 2 Thermal blocks and 3 Transformers with a total weight of 2,498 tons were received direct from ocean vessel, lashed onto barge, ferried by sea to Jurong Island, roll-off, transported by land to Keppel Merlimau site, moved, jacked-down, skidded-in and installed.



Position of 320 Tons Generator onto foundation by skidding system.

Transformer skidded to position.

Firm Foundation

As the main contractor, Yew Choon is required to engineer, execute and manage the total chain, i.e. from receiving the cargoes from ocean vessel, to providing marine and land transport, to ro-ro operations, to lifting and positioning to get the heavy load on its foundation. And always with safety in mind.

Power Generation Industry

From Singapore to Sri Lanka, power plants in West Malaysia, East Malaysia, Brunei, Thailand have sought Yew Choon to meet their complex transport requirements. Again, Yew Choon with its factory to foundation capability can deliver the power generators, turbines, transformers, skidded and positioned onto the foundation.

YEW CHOON - THE ONSHORE & OFFSHORE HEAVY LIFT SPECIALIST

Known for our reliability and excellent track record over 35 years, Yew Choon is synonymous with heavy-lift transport, having carried out operations throughout Asia. Yew Choon today is a one-stop service provider for oversized and heavy loads, encompassing marine and land transportation, ro-ro operation, jacking & skidding, craning, warehousing & storage and engineering.

To date, we have completed projects successfully overseas in Bangladesh, China, Philippines, Sri Lanka, Thailand, Cambodia, Vietnam, West Malaysia, East Malaysia, Brunei and Indonesia.

Heavy Haulage & Module Transportation

Whatever the size and weight, Yew Choon can transport it! Presently, our growing fleet of Goldhofer hydraulic trailers spans 84-axle lines, including self-propelled trailers. The trailers can be assembled in various combinations. Together, they will form a flat platform. The hydraulic system will distribute the load equally over the axles.

Our engineering department will make a safety study of every oversized or heavyweight cargo to be transported.

Besides hydraulic trailers, we have a wide range of more than 60 trailers. At Yew Choon, we think along with our clients to create tailor-made solutions. One example is the trailer that is specially designed to transport Singapore's Mass Rapid Transit (MRT) trains.

Other Yew Choon trailers are:

- Extendable trailers with a capacity of 60 metric tons.
- Lowbeds with a capacity up to 60 metric tons.
- Flatbeds.
- Lorry cranes (up to 75T)

Marine Transportation & Ro-Ro Operation

At Yew Choon, we operate our own fleet of tugs and barges.

Our yard has its own private waterfront jetty. The jetty allows us to roll-on/roll-off (ro-ro) oversized and heavyweight cargo from the barge to our jetty and vice versa. To ensure safe ro-ro operations, the barge will be ballasted.

Our barges are equipped with a built-in coupling beam at the front of the barge. In order to prevent movement of the ro-ro ramps, these ramps are clicked to the coupling beam. At the other end of the ro-ro ramps, steel wedges can be inserted under the ro-ro ramps. This combination is very secure and allows us to ro-ro tremendous loads.

Craning

Over the years, we have carried out many heavy-lift operations in many parts of Asia. With the experience gained, Yew Choon can now deliver a total package of rigging, lifting and installation assignments. Our project managers will be on hand to ensure that every job is executed safely and on schedule.

Crawler Cranes

Crawler cranes will be assembled at the job site. It is possible to travel with the crane over short distances. Because of their caterpillar tracks, they are perfect for rough terrain. Crawler cranes are able to lift a load and travel with the load in the hook (pick-and-carry).

Mobile Cranes

Mobile cranes are flexible and fast to commission. Once the crane is in position, the outriggers will be extended and the crane will stand fully on

the outriggers. The wheels will be slightly above the ground. The telescopic boom can instantly reconfigure from a short boom with high capacity, to a long boom with a lower capacity.

Lorry Cranes

Due to the size of the lorry crane, it is highly mobile. Sometimes it is possible to transport the cargo in the lorry and discharge it onto its foundation inside a building. The maximum capacity of our lorry cranes is 75 tons.

Jacking & Skidding

For shifting cargo in places with low ceilings or other places where trailers and cranes cannot be used, we use skidding systems.

We use two types of skidding systems, depending on the weight of the cargo. The light duty skidding system will be used for loads up to 250 metric tons. The heavy duty skidding system has a capacity of 1,000 metric tons. With the heavy duty skidding system, the cargo will be pushed by hydraulic jacks.

Warehousing & Storage

To fulfill the logistics needs of our clients, we provide ample storage space for them to store their cargo. The whole storage space is divided into two parts:

- 16,000 sq m open storage area
- 500 sq m warehouse

The covered warehouse is used for the storage of delicate cargo which requires extra care and cargo which tends to be more sensitive to weather conditions.

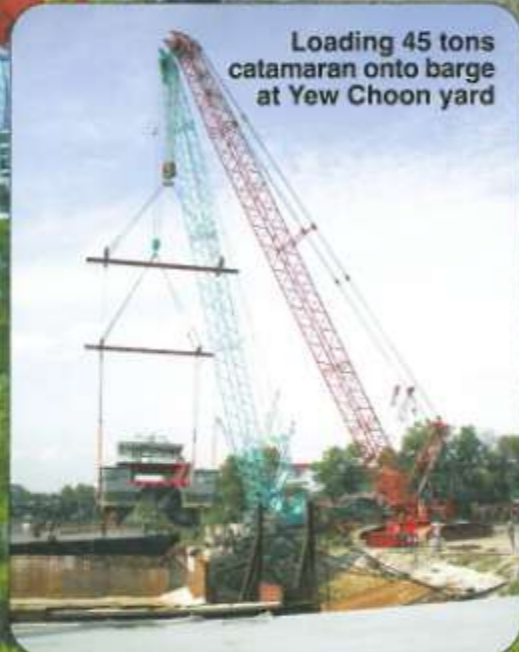
The total storage area is under 24hr security by camera surveillance and professional guards.

Engineering

Through the years, Yew Choon handles increasingly bigger and heavier cargoes. Hence, the need to avoid accidents becomes vital. To ensure that safety comes first, Yew Choon fine-tuned this aspect and is now operational with a team of engineers.

The engineering department at Yew Choon creates solutions and methods to transport and lift all types of oversized and heavyweight loads. Our clients can count on the engineering team throughout the whole process of design and execution. Some of the outputs of our engineering department are:

- Safety procedures
- Method statements
- Transport plans
- Draft calculations
- Rigging studies
- Jetty proposals
- Strength calculations
- Motion analysis



Loading 45 tons catamaran onto barge at Yew Choon yard



Yew Choon's jetty



Barge, tug boat, hydraulic trailer and crane



Roll-on with our heavy duty ramp



Roll-off by self-propelled hydraulic trailer



Transport by self-propelled trailer due to tight space constraint



Ballasting for height clearance



Load-In Module



Shifting of module by self-propelled trailer



Skidding



After assembly, load-on to barge for transport to site



Site move by 2 self-propelled hydraulic trailers



2400 BHP tug boat

Heavy Lift Engineering By Dedicated People And Equipment

Yew Choon's strength lies in the commitment of its qualified personnel that work in accordance to the highest safety and quality standards as well as its state-of-the-art, well-maintained and certified equipment. Furthermore, we have an inhouse team of experienced engineers specializing in heavy lift projects from factory to foundation.

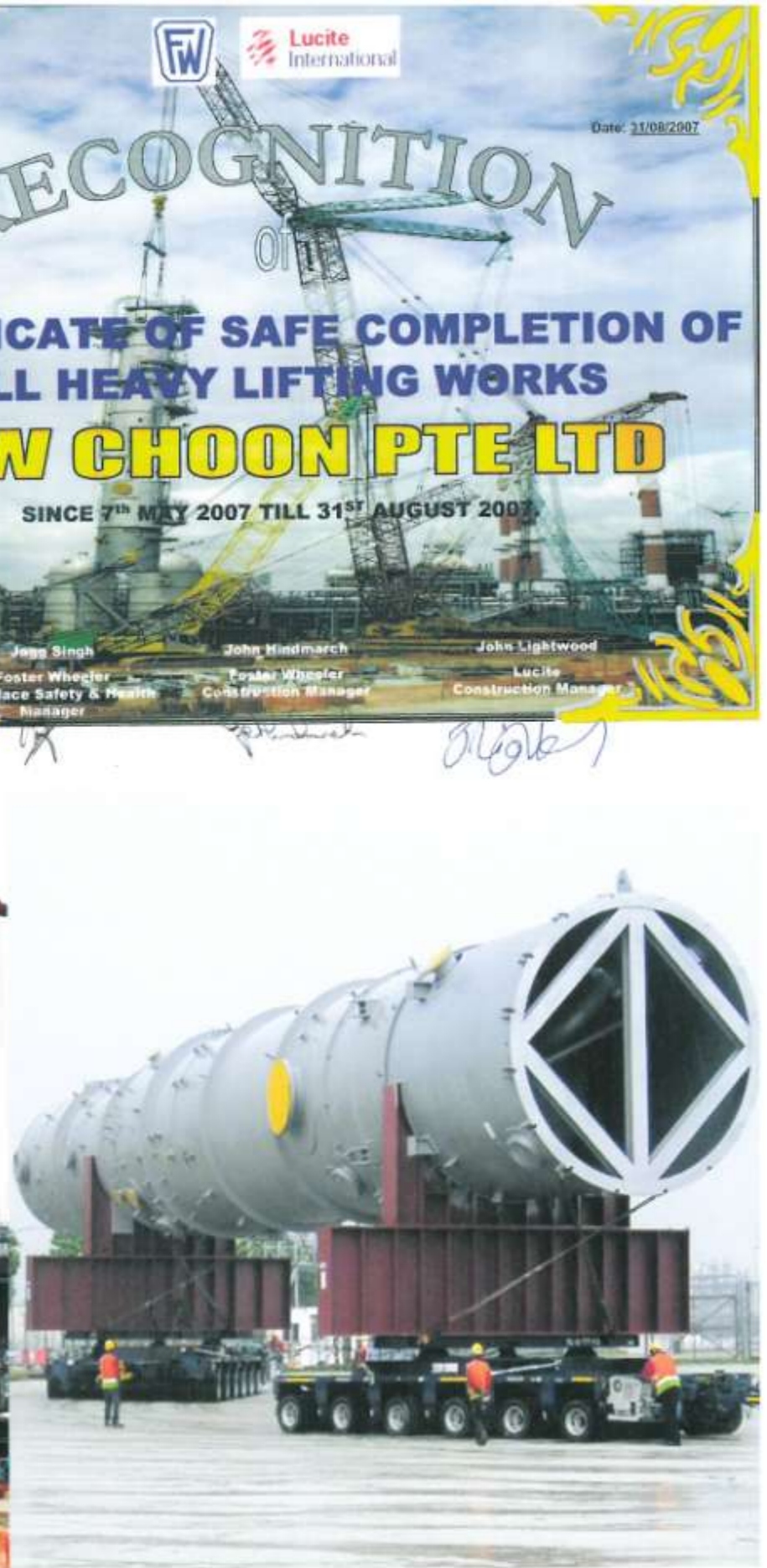
Working around the clock 24 hours and 7 days a week, Yew Choon can handle your heavy lift projects efficiently and safely.

With our own waterfront jetty, Yew Choon is able to load-in and discharge heavy cargoes. These include power generators, turbines, transformers, reactors and other heavy oversized cargoes.

Yew Choon is well equipped to supply service to clients, such as the construction and assembly of cranes and excavators in our yard.

Our Mission

Yew Choon is an onshore and offshore heavy lift specialist. We aim to be the best in our field and carry out our operations as specialists with passion, supported by our own fleet of tugs, barges, hydraulic trailers, cranes, skidding and jacking equipment. We operate as a team so that together (you and us), we can scale greater heights in achieving excellence.



Rental Activities

In all the sectors that we serve, such as petrochemical industry, power generation, oil & gas & marine and civil projects, Yew Choon also provides equipment rental. A complete fleet of cranes, transport vehicles, barges and additional equipment are available for rent. This service offers customers more on-site flexibility and complements their contractors' performance.

Cranes & Crews

Yew Choon's rental cranes are presently from the 50T – 650T capacity. They can be deployed quickly by land or by sea to any destination. With Yew Choon, you can always be assured of state-of-the-art equipment, immediate repair and replacement. When requested, rental cranes and transporters can also come with trained crews and operators.