

# Transporting FPSO Modules



## YEW CHOON PTE LTD

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## YEW CHOON

The Onshore & Offshore Heavy Lift Specialist

Module, Dim. 26m x 16m x 14m (600 Tons). Shifting from fabrication yard and loading onto Yew Choon barge via ro-ro operation.



Load-in of module, Dim. 26m x 16m x 14m (480 Tons) onto barge via ro-ro operation.



**TO SINGAPORE  
EX-INDONESIA**

Sea transportation to Singapore.



Loading Boiler module,  
Dim. 15.1m x 13.6m  
x 19m (253 Tons)  
onto barge at  
Yew Choon yard.



Boiler module, Dim. 15.1m x 13.6m x 19m  
(253 Tons) on the ramp, being loaded onto  
barge via ro-ro operation at Yew Choon jetty.



## HEAVY LIFT OF MODULES – A STRENGTH OF YEW CHOON

Yew Choon is an integrated onshore and offshore heavy lift transportation specialist. Our main clientele is in the oil and gas, petrochemical, power generation and marine industries.

We are well-known for our reliability. Our excellent track record for safety and our innovative engineering approach to solving transportation problems, ensure the successful accomplishment of any onshore and offshore heavy lift projects.

For over 35 years, we have been engaged in complex heavy lift transport. Our experience in multi-modal conveyance, together with our extensive range of transportation, lifting, weighing, skidding and jacking equipment enables us to manage all necessary handling of topside modules for Floating, Production, Storage, Offloading (FPSO) and Floating, Drilling, Production, Storage, Offloading (FDPSO) vessels.

Yew Choon - the service-provider for comprehensive, one-stop tailor-made solutions.

**TEG/Flue Gas**



**Heating & Cooling**



**Chemical Injection**



**Manifold**



**HP Compression**



**Gas Export**



**Electrical Power**



**Manifold**



**Crude Oil Separation**

**Gas Condensate Treatment System**



**Water Injection**



**MP Booster Compressor**



**HP Compression**



**Flare & Drain**



Crude Oil Separation module.  
Dim. 26.8m x 21.5m x 18.6m (723 Tons).  
Loading to self-propelled barge via  
ro-ro operation in Tianjin, China.



Load-in of Gas Condensate Treatment  
module, Dim. 24.7m x 17.5m x 22.5m  
(904 Tons) onto barge.



**TO SINGAPORE  
EX-CHINA**

2 units module, Dim. 26.8m x 21.5m x 18.6m  
(723 Tons) and Dim. 24.7m x 17.5m x 22.5m  
(904 Tons), Sea transportation to Singapore.



# TO SINGAPORE EX-THAILAND

Manifold module, Dim. 35m x 10.1m x 21m (848 Tons). Land transport to Laem Chabang Port.

Gas Export module,  
Dim. 15.5m x 18.7m x 16m  
(262 Tons).  
Loading onto Yew Choon  
barge via ro-ro operation at  
Laem Chabang Port, Thailand.



Preparing module for land  
transport to Laem Chabang Port.





Manifold module,  
Dim. 34.5m x 10.1m x 21m (872 Tons).  
Land transport from fabrication yard to  
Laem Chabang Port, Thailand.



Arrival at Laem Chabang Port.

Loading onto barge via ro-ro operation and  
sea transportation from Laem Chabang  
Port, Thailand to Singapore.

# SHIFTING AND RO-ON IN THAILAND



Another Gas Compression System module, Dim. 27.7m x 19.8m x 23.8m (1400 Tons) being shifted from fabrication yard to barge.



Supply of 2 units, 21-axle lines Goldhofer self-propelled trailer for shifting 1400Tons module and loading onto barge using ro-ro system with grillages and supports.



**TO SINGAPORE  
EX-INDONESIA**

Sea transportation to Singapore.





# YEW CHOON

**The specialist in onshore & offshore heavy lift module transportation**

Sea transportation of Gas Compression System module. Dim. 27.7m x 19.8m x 23.8m (1400 Tons).



Gas Compression System module. Dim. 27.7m x 10.4m x 23.8m (729 Tons). Loading onto barge via ro-ro operation.



Gas Compression System module mounted on 3 units Goldhofer PST trailer. Dim. 27.7m x 19.8m x 23.8m (1400 Tons). Land transportation from fabrication yard to barge.



Loading module onto barge by ro-ro operation with grillages and supports.



Cranes from 50 Tons - 650 Tons capacity.



# ONE-STOP SOLUTION PROVIDER

Our equipment and expertise make us a one-stop solution provider in the heavy lift segment of the transportation industry. We provide tailor-made heavy lifting and transport solutions for international or integrated end-to-end onshore/offshore lifting and transportation services.

### Onshore Services

Onshore lifting, weighing and transportation services for general and extremely heavy cargoes and structures comprise of heavy lift, modular land transport and cranes. These onshore services may be offered in various combinations using the following equipment:

- Crawler / mobile cranes
- Self-propelled hydraulic trailers

### Offshore Services

Offshore and onshore services may integrate to provide a seamless land and sea transportation. When certain loads cannot be transported onshore due either to

their size and/or weight which exceed allowable limits or actual physical constraints, these loads are transported on barges.

Offshore services comprise:

- Marine transportation
- Barge / Tug chartering
- Yew Choon yard has its own waterfront with ro-ro jetty

### Other Services

- Turnkey project management / Engineering
- Equipment rental
- Shipping and customs clearance
- Weighing, jacking and skidding
- Factory moving
- Storage facilities
- Gantry system up to 1100 tons
- Load testing



Heavy-duty deck barge with seawater ballasting capability, most suitable for ro-ro operations.



3200 BHP tug boat.



Spreader beam testing with 4-Point lift system, 1100 Tons capacity



MAN heavy-duty prime mover.

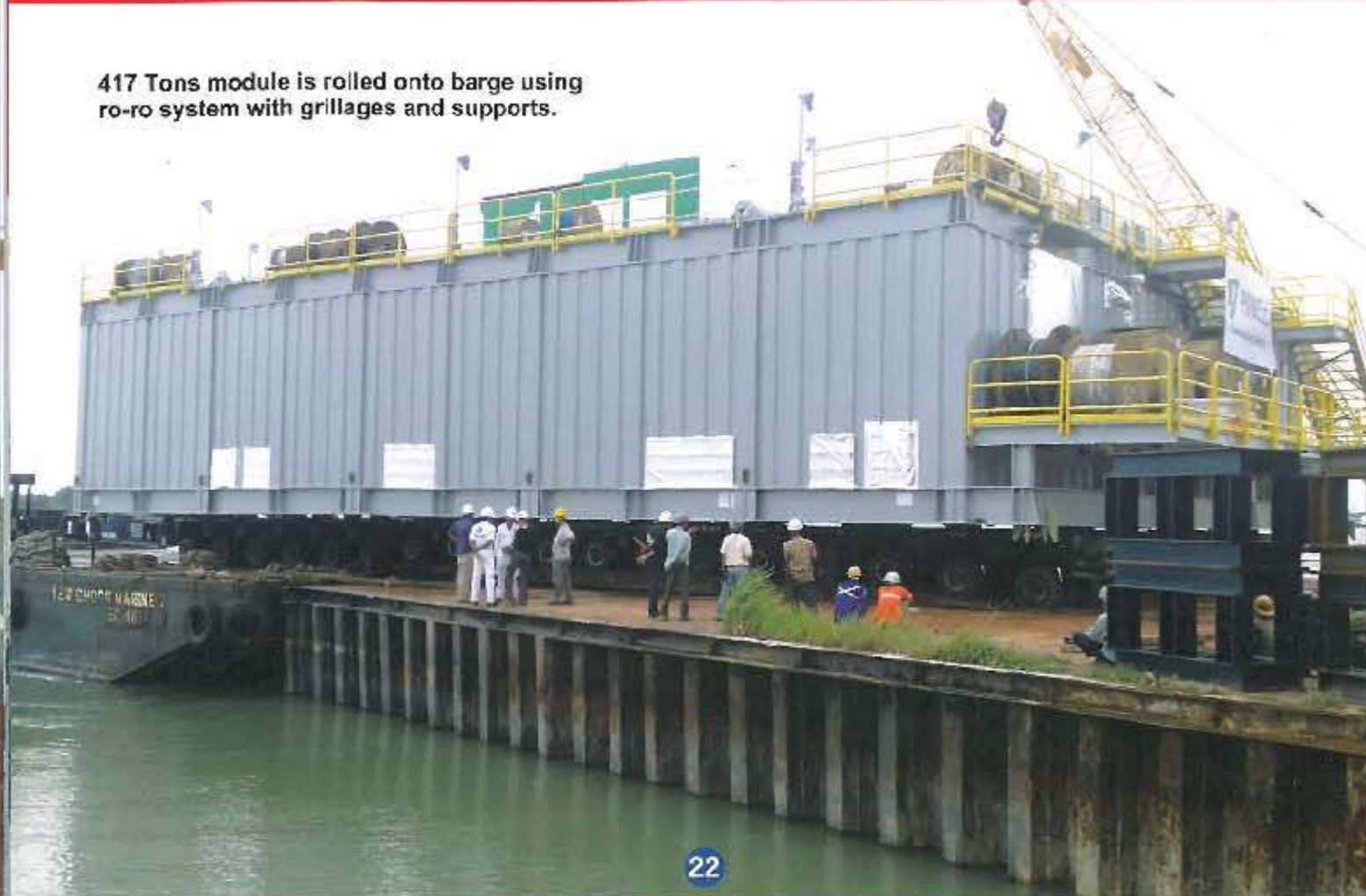
Goldhofer PST trailer.

Pipe Deck Aft Module, Dim. 24.7m x 19.1m x 5.5m (413 Tons). Land transport from fabrication yard, loaded onto barge and transported by sea to Singapore.



# MORE MODULES RECEIVED FROM BATAM, BOUND FOR SINGAPORE

417 Tons module is rolled onto barge using ro-ro system with grillages and supports.



Loading Power Distribution module, Dim. 32m x 19m x 9m (417 Tons) onto Yew Choon barge via ro-ro operation.



Accumulator bottle module, Dim. 12.7m x 10.3m x 9.9m (227 Tons). Deploying 2 units 12-axle lines Goldhofer SPT to convey module from yard to barge.

Loading module onto barge via ro-ro operation.

# MODULES RECEIVED FROM BATAM & SHIPPED TO SINGAPORE

Mud Process module, Dim. 23.4m x 8.6m x 8.2m (125 Tons). Supplying 2 units 12-axle lines Goldhofer PST for transporting module from yard to barge.

Final loading of cargo before sea transportation to Singapore.