



PRESSURE VESSEL & CRYOGENIC TANK MANUFACTURING



INNOVATIVE ENGINEERING

Unithai is one of the leading manufacturer in Thailand re-establishing, its strongest roots in the soil of process equipment industry. We satisfy our clients with state of art designs and excellent fabrication skills delivered with great quality at the right time. With the strongest and sophisticated team along with the exclusive yard facilities , we are able to do most of the process equipments ranging from small vessels to huge massive structures that even others can not think about.





ASME Pressure Vessel



Offshore Pressure Vessel



Cryogenic Tank

Unithai's workshop is one of the largest tank manufacturing facility in Thailand, established in 1990 located in Laem Chabang Industrial Estate, next to international deep sea port. The company is offering a complete range of high quality project constructions, and provides high standard integrated in-house service on Project Management, Procurement, Engineering, Fabrication, and Commissioning to the satisfaction of our customers both local and worldwide.

OUR SPECIALITIES

Design

- Special design team handling all the type of designs
- Most latest and versatile software
- Designs as per various international standards includes ASME,API,EN and ISO
- Special Designs for cryogenic tanks
- U Stamping and CE marking

Large & advanced facilities

- 5 Large workshops and open area 40,000 m²
- In situ NDT/RT facilities
- Special machines
- Capacity to do vessels with maximum thickness 100 mm. and diameters upto 12 m.

Direct Load-out to Sea Transportation

- 50 m. x 30 m. load-out quay
- All time available crane and SPMT
- Total load capacity 4,500 tones.

PRODUCTS

Pressure Vessel

- Chemical Reactor Vessels
- Process Separation / Filter Vessels
- Storage Tanks
- Silos, Bins, Hoppers

Cryogenic Tank

(LNG, LIN, LCO₂, LO₂, LH₂, LH_e)

- Onshore Industrial - Static Tanks
- Transportation trailer Tanks

Offshore LNG Tanks

- FRU
- Bunkering Unit
- Bulk Transportation

Heat Exchanger

- Shell and Tube Heat Exchanger
- Fin Tube Heat Exchanger
- Waste to Energy-Heat Recovery Systems

On-site Services

- Plant maintenance & repairs
- Field erected equipment
- Installation and commissioning
- In-situ overlay and specialty welding

Fabrication Workshops

There are five fabrication workshop halls allocated for the fabrication of the non-typical structure i.e. pre-fabricated structures, pipe spooling, outfitting. The dedicated workshops are equipped with overhead cranes, computer-controlled plasma cutting equipment, plate profile cutting machine, bending rolls, 1000 tones hydraulic presses, drills, guillotines and a wide range of manual, semi-automatic and automatic welding equipment.



Unithai Fabrication Workshop and Assembly Areas

Workshop No.	Dimension (m.)	Area (m2)
Workshop 1	150 x 40 x 16	6,000
Workshop 2	138 x 30 x 13	4,140
Workshop 3	114 x 29 x 13	3,300
Workshop 4	72 x 21 x 9	1,500
Workshop 5	108 x 30 x 13	3,240

Project Fabrication Workshop



ASME Stamp U Stamp, U2 Stamp, R Stamp

Unithai other core business;

- Ship Building and Repairs
- Downstream Construction (LNG modules, Petrochemical Plant Module, etc.)
- Floating Power Plant
- Site installation of Mechanical Package for Power Plant and Field Services.

Special Machines



Plate Rolling Machine - 4 meter width, roll up to 135 mm. thick plate.

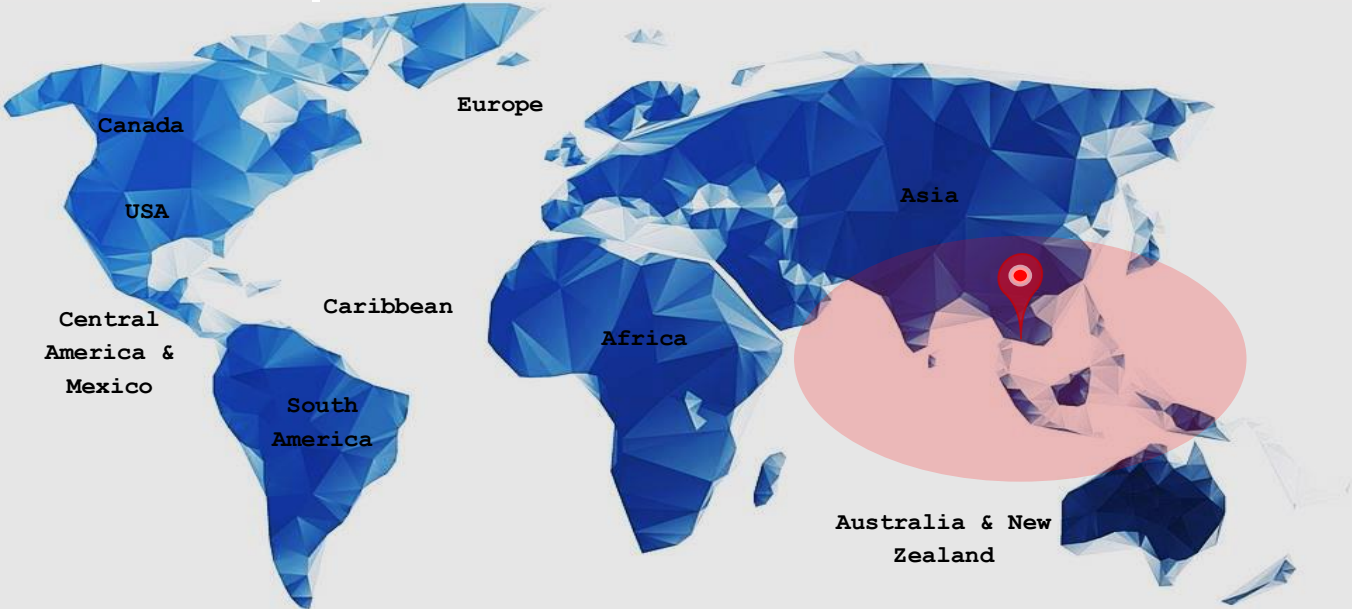


Column & Boom Welding Machine with Automatic Rotator sets




CNC Pipe Profile Cutting Machine


UNITHAI LAEM CHABANG CONSTRUCTION YARD, THAILAND




CONTACT US


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