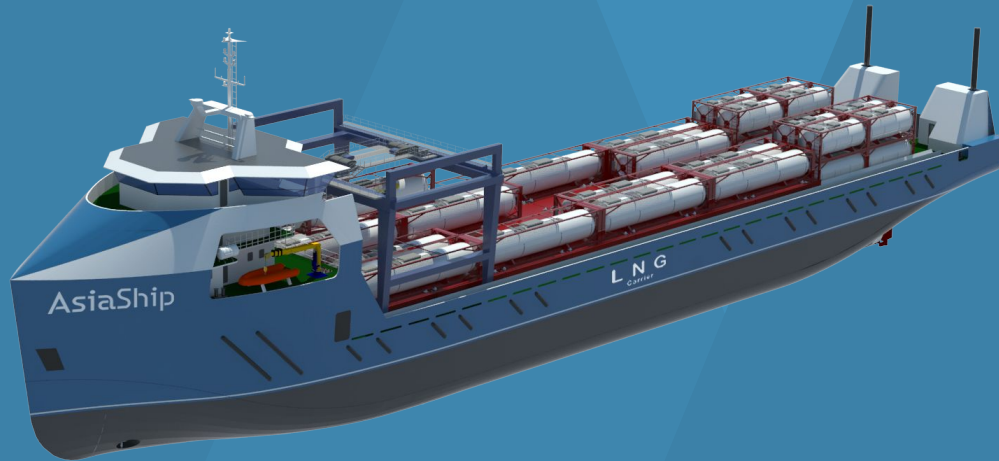


AsiaShip

Innovation in ShipBuilding

Innovation in Indonesian Liquefied Natural Gas Transportation

AsiaShip SternLoader 95 Meter 176 TEU



About AsiaShip

AsiaShip is a Dutch owned and managed Naval Architecture, Marine Engineering and Shipbuilding company in Indonesia, with over 25 years experience and development of more than 250 vessels worldwide. The company provides the full spectrum of ship design and production capabilities for the European and South East Asian market. Our Naval Architecture & Marine Engineering Division delivers International Class Approved Drawings, Cost/Investment Analysis, Assembly Kits and Assembly Instructions, Shipyard Support, Owner Representative Services till being full responsible as Indonesian shipyard. For the European market we specialise in super-yachts and sailing boats that require high precision and craftsmanship. In South East Asia, we focus on workboats, i.e. Tug's, Landing Crafts, Supply Vessels, Ferries, Fishing Vessels and Sternloaders. AsiaShip supports third party shipyards through its assembly kit based building methodology to help them achieve precision, innovative and efficiency in vessel production.

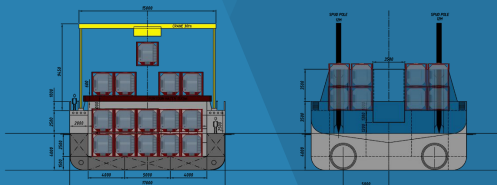
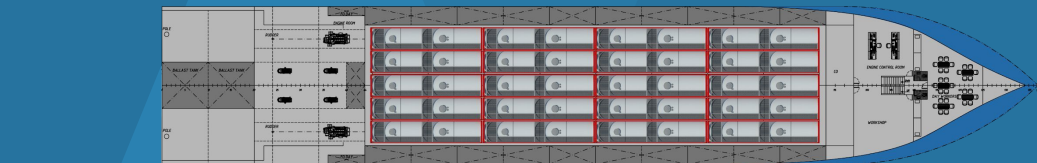
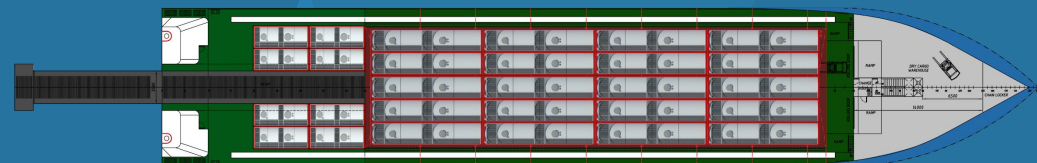
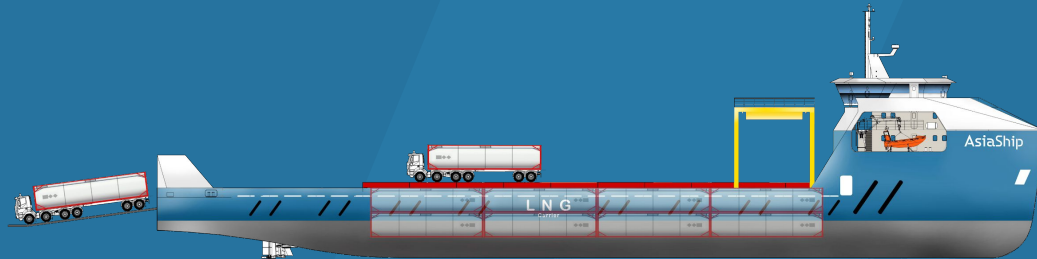
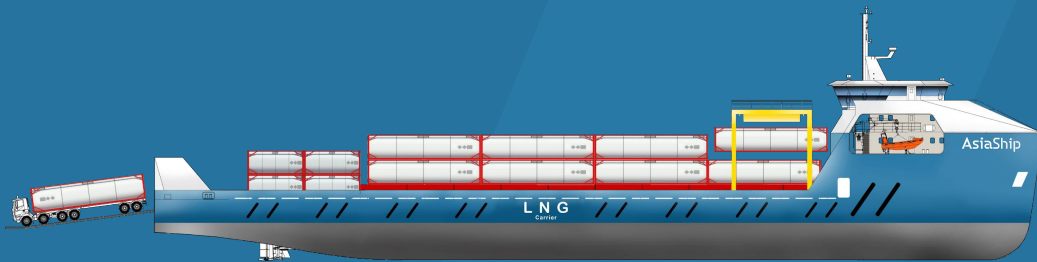
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*Naval Architects and
Marine Engineers*

AsiaShip

AsiaShip 95 meter 3000 ton cargo sternloader



Innovative cargo vessel designed for Indonesian waters

Dimensions

Length	95	meters
Waterline	93.7	meters
Molded breadth	17	meters
Molded depth	6.5	meters
Design draft	4	meters
Max Displacement	4800	tons
Deadweight	3500	tons

Harbour Facilities

Gantry Crane	45	tons
Ramp (Hydraulic)	18	meters

Crew Facilities

Crew	14	person
Crew cabins	6	Single, double, quad
Owner cabin	2	Executive Suite

Performance

Maximum speed	12	knots
Service speed	10	knots

Machinery

Diesel propulsion	2 x	1500 BHP
Generator	4 x	60 KVA

Capacities

Fuel oil	180	tons
Freshwater	140	liters
Tank (cargo)	400	tons

Cargo Capacity

Maximal cargo load	3000	tons (loadline)
40FT Containers	88	@ 36.000 Kg (LNG)
20FT Containers	176	@ 19.000 Kg
Dry Storage area	250	M3

Design Characteristics

Owner Requirements

AsiaShip designs the vessel to your requirements, including basic calculations and GA & Class drawings. Proper planning and AsiaShip's unique building kit improves build quality, efficiency, economical operation and performance of your vessel up to 30 percent.

Cargo

The vessel should be designed carrying minimal 70 LNG containers in the size of 40 feet or 140 LNG containers in the size of 20 feet. Due to the unique design of the sternloader type of vessel it's able to carry 88 x 40 feet or 176 x 20 feet containers. Beside this enormous capacity within a 3500 DWT vessel it offers a dry storage area of 250 m3 to use for corrosion sensitive materials or electronics on pallets. On request, fuel tank arrangements could be adjusted to extended voyage storage up to 400.000 liter, this may be used as cargo to supply remote islands or for truck operations.

Seaworthiness

Safety is our first priority, our vessels are designed for use worldwide, even in European waters with unpredictable weather patterns. This guarantees sustainable shipping operations at coastal and deep sea. Our vessels however, are designed to withstand every weather condition in Indonesia and operate with waves up to 7 meters. Where conventional landing crafts only withstand 2 meter waves, the sternloader guarantees an efficient continuous operation whatever the weather & sea conditions.

Shipyard Operations

The sternloader is built according to all rules and regulations valid in Indonesia and follows BKI / IACS member classification associations, MARPOL, SOLAS & Sabandar.

Harbour Facilities in Indonesia

The AsiaShip SternLoader is designed with the Indonesian harbour / jetty facilities in mind.

- Most harbours handle vessels up to 100 till maximal 120 meters combined with a draft of 3 meters (2500 ton cargo) and 4 meters (3600 ton cargo).
- The majority of harbors don't have any load and unload facilities, it all depend on the facilities of the vessel itself. The gantry crane can be developed to load trucks, as well trucks on the vessel or beside the vessel on the harbour.
- The AsiaShip Sternloader is developed being able to load / unload in nearly every shore condition, even it's beach or a small fisher village with a small jetty using a 18 meters ramp.
- Flexibility is the keyword with a completely self determined vessel without any dependence on harbour facilities.

Efficiency

Lighter vessel design, fluid dynamics and superior propulsion design result in a optimal efficiency of your vessel operation. In comparison with conventional Landing Crafts, this vessel can hold safely twice the load, does not depend on weather condition, doesn't need to follow the coastline and achieves double the speed. This results in a commercial efficiency advantage of more than 30 percent.

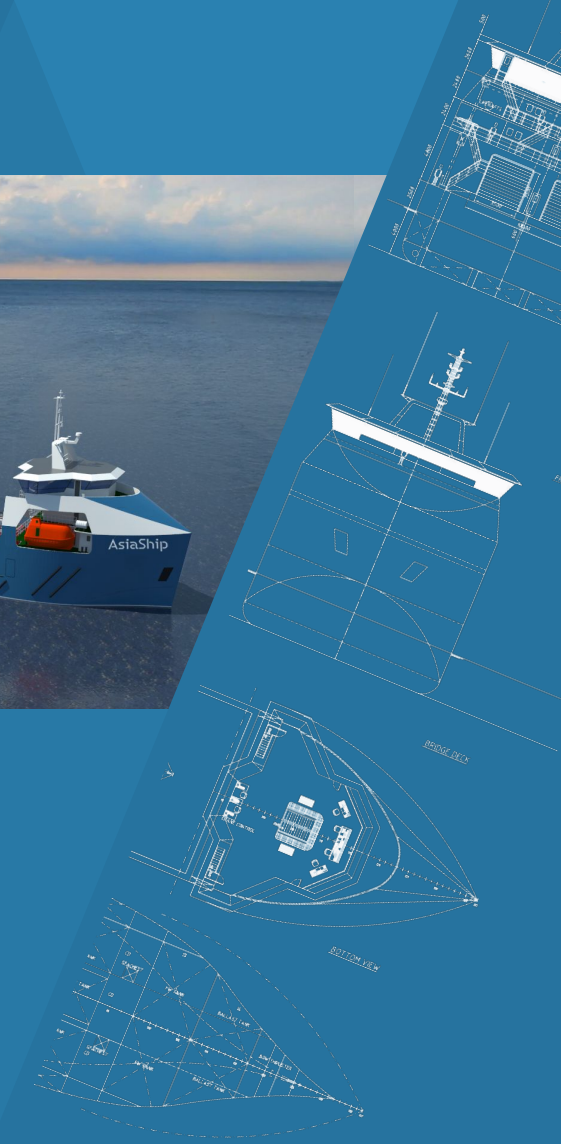
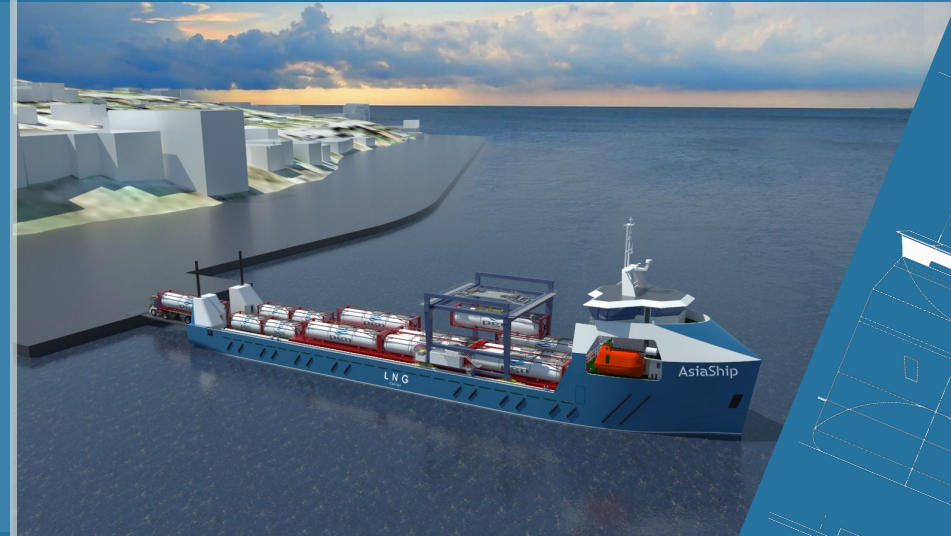


AsiaShip

Innovation in ShipBuilding

Innovation in Indonesian Liquefied Natural Gas Transportation

AsiaShip SternLoader 75 Meter 76 TEU



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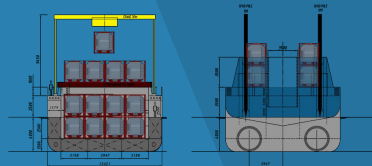
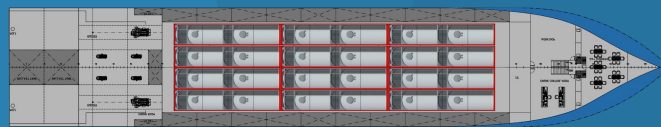
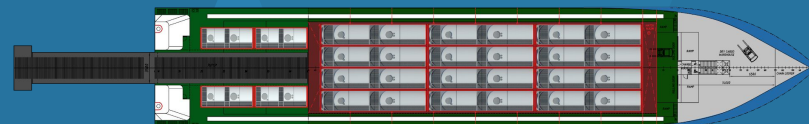
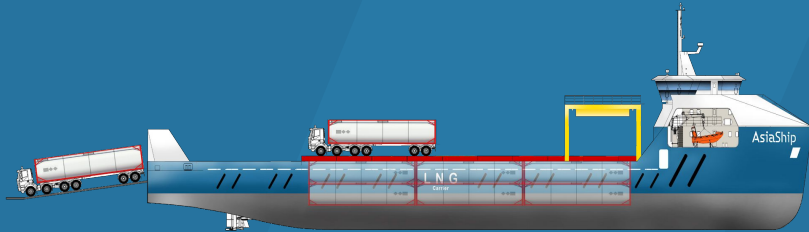
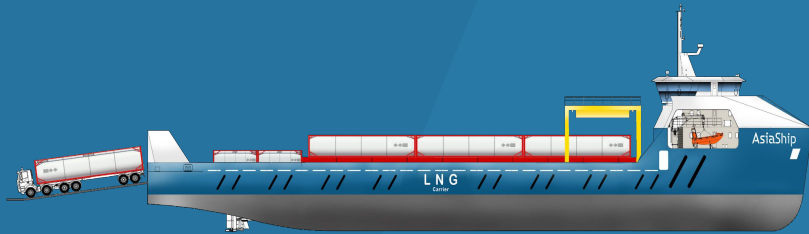
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*Naval Architects and
Marine Engineers*

AsiaShip

AsiaShip 75 meter 1500 ton cargo sternloader



Innovative cargo vessel designed for Indonesian waters

Dimensions

Length	75	meters
Waterline	73.7	meters
Molded breadth	13.5	meters
Molded depth	6,5	meters
Design draft	3.5	meters
Max Displacement	2450	tons
Deadweight	1650	tons

Harbour Facilities

Gantry Crane	45	tons
Ramp (Hydraulic)	18	meters

Crew Facilities

Crew	14	person
Crew cabins	6	Single, double, quad
Owner cabin	2	Executive Suite

Performance

Maximum speed	12	knots
Service speed	10	knots

Machinery

Diesel propulsion	2 x	1000 BHP
Generator	4 x	60 KVA

Capacities

Fuel oil	140	tons
Freshwater	110	liters
Tank (cargo)	280	tons

Cargo Capacity

Maximal cargo load	1500	tons (loadline)
40FT Containers	38	@ 36.000 Kg (LNG)
20FT Containers	76	@ 19.000 Kg
Dry Storage area	115	M3

Design Characteristics

Owner Requirements

AsiaShip designs the vessel to your requirements, including basic calculations and GA & Class drawings. Proper planning and AsiaShip's unique building kit improves build quality, efficiency, economical operation and performance of your vessel up to 30 percent.

Cargo

The vessel should be designed carrying minimal 36 LNG container in the size of 40 feet or 72 LNG container in the size of 20 feet. Due the unique design of the sternloader type of vessel it's able to carry 38 x 40 feet or 76 x 20 feet containers. Beside this enormous capacity within a 1650 DWT vessel it's offer a dry storage area of 115 m3 to use for corrosion sensitive materials or electronics on pallets.. On request, fuel tank arrangements could be adjusted to extended voyage storage up to 280.000 liter, this may be used as cargo to supply remote islands or for truck operations.

Seaworthiness

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