

PROFESSIONAL ENGINEERING

BE BETTER TOMORROW GREEN SHIP



DSS
DONGSUNG SHIPYARD CO., LTD.

COMPANY INTRODUCTION

SINCE 1946

Since its foundation in 1946, Dongsung has been a leader in eco-friendly small vessel shipbuilding industry based on its abundant experiences and technologies.

Dongsung has the best and prominent technology and productivity among Korean small-sized shipbuilders with an efficient system in the whole manufacturing process and smart factory with our continuous R&D activities and investment.

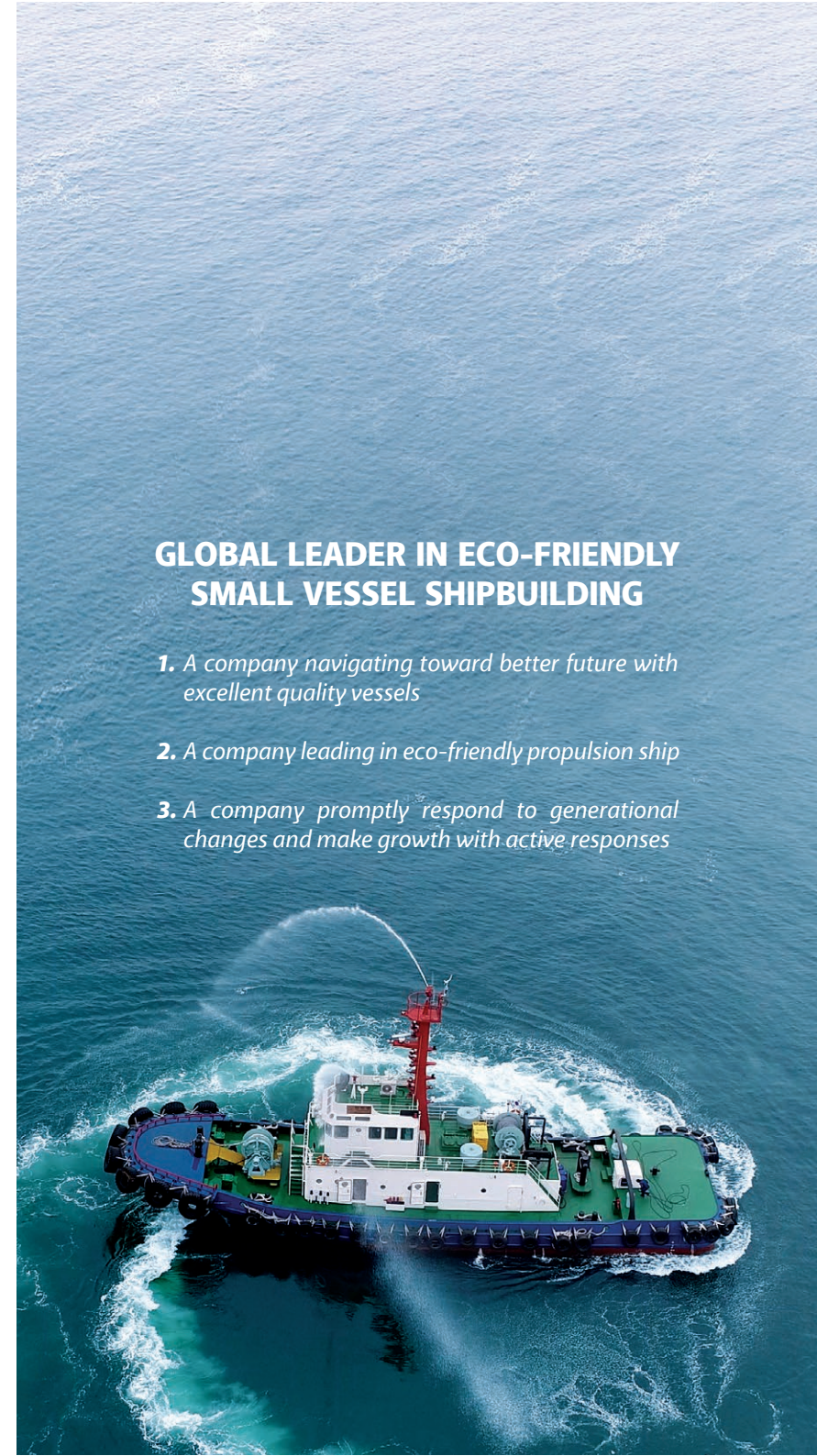
Moreover, we have globally outstanding shipbuilding performance especially in terms of eco-ship technology through constant changes and innovations.

*Backed by 7 decades of long history and generational changes, Dongsung promises to make progress with creative and strong driving force in small vessel shipbuilding industry with our excellent quality and technology.
We will prepare for our next 100 years.*

CEO, Su-Hwan, Kim

GLOBAL LEADER IN ECO-FRIENDLY SMALL VESSEL SHIPBUILDING

- 1. A company navigating toward better future with excellent quality vessels*
- 2. A company leading in eco-friendly propulsion ship*
- 3. A company promptly respond to generational changes and make growth with active responses*



TRUST PASSION CHANGE

COMPANY VISION, MISSION AND HISTORY

FAMILY BUSINESS FOR 7 DECADES

Dongsung Shipbuilding, located in Pohang, the eastern tip of the Korean peninsula, has been a sole family business shipbuilder in Korea for the last 7 decades over 3 generations and specialized in small vessel shipbuilding and repairing. Dongsung is one of the small but strong enterprises accredited by Pohang city.

Dongsung is a promising company with a long history and pursues three major philosophies.

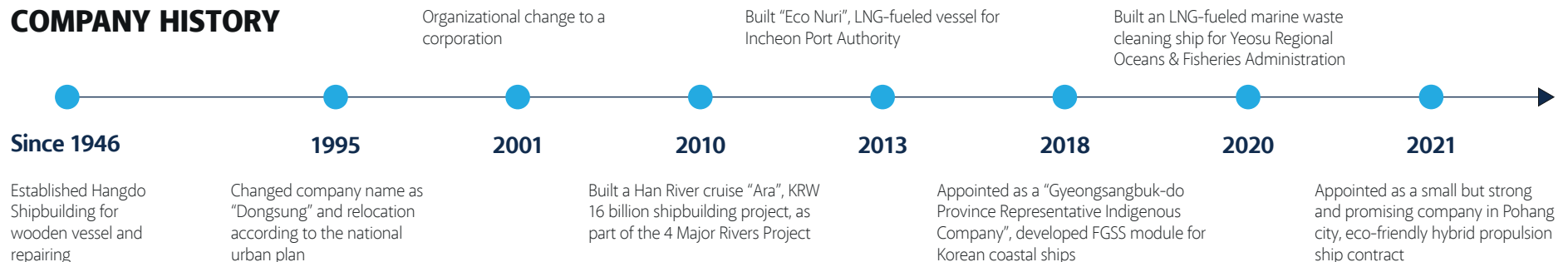
"Trust" *We promise a transparent management and earn trust from our clients based on our long history and cooperation among employees.*

"Passion" *We are always passionate to make difference in the future with responsible ownership and fulfill our promise with clients based on persistency and tenacity.*

"Change" *We are never satisfied with current situation, but always make difference and innovate to create a new value.*

Dongsung Shipbuilding will make our strenuous efforts to become a global leader and contribute to the local and national economic growth by satisfying our clients with continuous development of new technologies.

COMPANY HISTORY



OUR BUSINESS

Dongsung Shipbuilding is especially good at building small vessels such as tugboat, passenger ship and ship for passenger and cars. We are also actively building LNG-fueled and hybrid ships, one of our growth engines in the future, and many shipowners around the globe are having their eyes on us.

1. TUG BOAT

We have a diverse tugboat shipbuilding performance with excellent stability and strong towing power for various horsepower ranges.

2. PASSENGER SHIP

Our beautiful and comfortable passenger ships are attracting attention for their light but strong hull structure, attractivelines and interior.

3. SHIP FOR PASSENGER AND CARS

A multi-purpose vessel with maximum loading efficiency with a smart internal design that can load many vehicles in a narrow space.

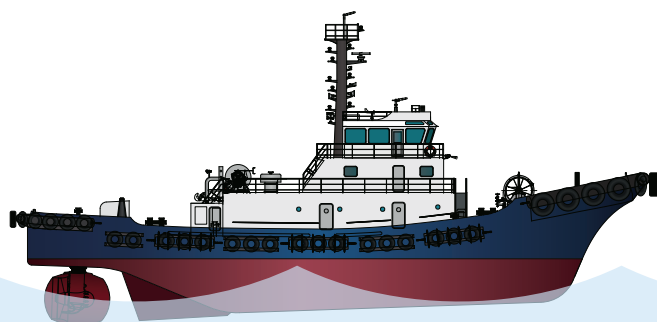
4. ECO-FRIENDLY PROPULSION SHIP (K-GREENSHIP)

We are introducing differentiated eco-friendly ships with the Korea's largest LNG propulsion and hybrid propulsion technologies.



TUG BOAT GENERAL ARRANGEMENT A

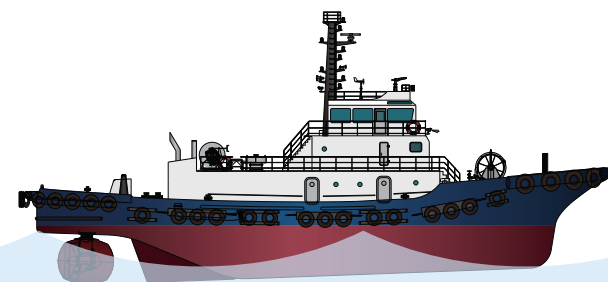
HARBOR SUPPORT TUGBOAT
HULL NO. DS129



L.O.A : 41.50 m
BREADTH : 11.00 m
DRAUGHT : 3.5M
GROSS TONNAGE : 396 GT
MAX.SPEED : 13.00 knots
BP, MAX : 85 ton
MAIN ENGINES : YANMAR 8EY26W / 3,481PS x 750RPM 2SETS
PROPULSION : KONGSBERG US 255 P30 FP TWIN
 2,560kW x 750 RPM (100% MCR)
GENERATOR : 168kW(210KVA) x AC225V x 60Hz x 3PH x 1800RPM
ACCOMMODATION : 6 persons
FUEL CAPACITY (m³) : 83m³
FRESH WATER CAPACITY (m³) : 73.6m³

TUG BOAT GENERAL ARRANGEMENT B

HARBOR SUPPORT TUGBOAT
HULL NO. DS130



L.O.A : 38.20 m
BREADTH : 10.30 m
DRAUGHT : 4.5M
GROSS TONNAGE : 396 GT
MAX.SPEED : 13.00 knots
BP, MAX : 64 ton
MAIN ENGINES : YANMAR 6EY26W / 2,450PS x 750RPM 2SETS
PROPULSION : KONGSBERG US 205 P20 FP
 1,802kW x 750 RPM (100% MCR)
GENERATOR : 168kW(210KVA) x AC225V x 60Hz x 3PH x 1800RPM
ACCOMMODATION : 6 persons
FUEL CAPACITY (m³) : 81m³
FRESH WATER CAPACITY (m³) : 27.45m³

A GLOBAL LEADER OF ECO-FRIENDLY SHIPBUILDING

BEING THE 'FIRST' OF LNG PROPULSION SHIP In 2013

THE BEGINNING OF AN ECO-GREEN SHIP

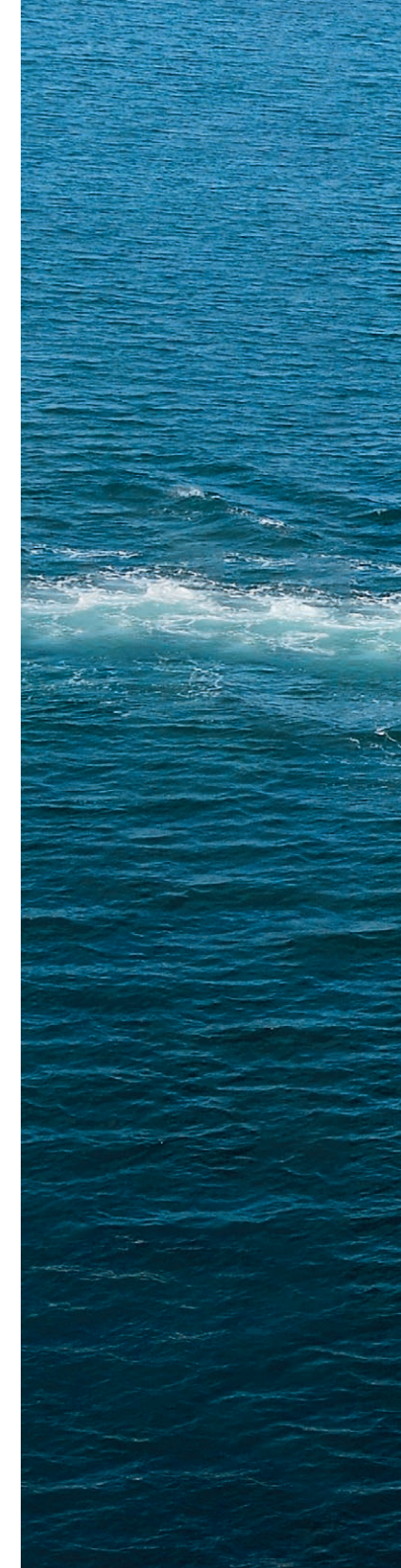
Eco-friendly ships are high value-added vessels in the next generation that can reduce carbon emission by loading fuel conversion (ammonia, hydrogen, etc.) for marine engines, electric propulsion, and energy optimization systems such as fuel cells and batteries.

Dongsung has been building diverse vessels for the last 7 decades of long history and we are the first LNG-fueled shipbuilder in Korea.

We also introduced cutting-edge system to LNG and hybrid propulsion system based on our abundant shipbuilding experiences.

Dongsung Shipbuilding will not settle for the present but will become a pioneer in eco-friendly shipbuilding by applying progressive smart engineering solution to the shipbuilding technology.

Dongsung will continue to make our R&D achievements to lead the global standard and will grow as a true eco-friendly global shipbuilding leader that can prudently respond to changes.





ECO-NURI

THE FIRST “ECO-FRIENDLY ELECTRIC PROPULSION VESSEL” WITH DUAL FUEL ENGINE IN KOREA

- Discover a new market by developing irreplaceable vessel type
- Strengthen competitiveness by smart manufacturing system
- Actively respond to the government's eco-friendly industry policies such as carbon emission reduction

MAJOR PERFORMANCE

OUR SERVICES

PILOTAGE, TOWAGE, EMERGENCY RESPONSE, SALVAGE





MAJOR PERFORMANCE



LNG DUAL FUEL WITH ELECTRIC PROPULSION

- **SHIP NAME** : Eco-Nuriho
- **OWNER** : INCHEON PORT AUTHORITY
- **SPEC** : LOA 38M x BREADTH 8M x DEPTH 4.6M
- **GROSS TON** : 260TON
- **PROPULSION** : 1521kw x 1200RPM CPP
- **ELECTRIC MOTOR** : 700kW * 1200RPM



LNG DUAL FUEL

- **SHIP NAME** : Yeocheong No. 2
- **OWNER** : Yeosu Regional Office of Oceans and Fisheries
- **SPEC** : LOA 37.7M x BREADTH 10.6M x DEPTH 4.3M
- **GROSS TON** : 280TON
- **PROPULSION** : 1,100kw x 1000RPM CPP



HYBRID PROPULSION

- **SHIP NAME** : MEAT No.7
- **OWNER** : MEAT TUG
- **SPEC** : LOA 41.5M x BREADTH 11M x DEPTH 4.95M
- **GROSS TON** : 396TON
- **PROPULSION** : 6962PS x 750RPM FPP
- **ELECTRIC MOTOR** : 400kW



HYBRID PROPULSION

- **SHIP NAME** : SUNJIN
- **OWNER** : SUNJIN TUG
- **SPEC** : LOA 41.5M x BREADTH 11M x DEPTH 4.95M
- **GROSS TON** : 3906TON
- **PROPULSION** : 6010PS x 750RPM FPP
- **ELECTRIC MOTOR** : 400kW



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