



DEFINING EXCELLENCE

 | Lumut Naval Shipyard Sdn Bhd

    | lumutnavalshipyard

 | @LUNAS_MY



ABOUT US

LUNAS aims to be a trusted partner in innovation for the maritime industry. With a strong focus on national security through naval shipbuilding, it also offers a wide range of maritime services, supporting nation-building and excellence. Through strategic partnerships, LUNAS plays a key role in advancing Malaysia's maritime and defense sectors, particularly by strengthening local vendors and workforce skills through the Vendor Development Programme (VDP).

Growing beyond our core services, LUNAS continues to strengthen its presence through its subsidiary, LUNAS Langkawi Shipyard Sdn Bhd.

MISSION



To strengthen Malaysia's maritime future by delivering world-class shipbuilding and repair services, powered by technology, sustained by innovation, and driven by the continuous growth of our people.

VISION



Anchored in purpose, powered by innovation and people. Our vision is to build ships that propel our nation forward and build the talent that carries its legacy.

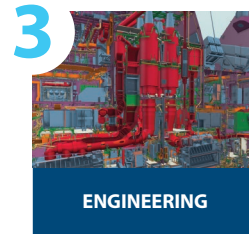
OUR SERVICES



SHIPBUILDING



SHIP REPAIR



ENGINEERING



COMBAT SYSTEM
CENTRIC

CORPORATE SOCIAL RESPONSIBILITY

HUMAN CAPITAL DEVELOPMENT

At LUNAS, we empower individuals by fostering talent, nurturing skills, and promoting lifelong learning.

1. Support employee growth through training programs and offer industry visits and internships in collaboration with institutions, ensuring both our workforce and the communities we serve are ready for the future.
2. Partnerships with National Defence University of Malaysia (UPNM) underscores our commitment to workforce development and innovation, highlighting our dedication to enhancing skills and capabilities in the maritime industry.

COMMUNITIES

1. We foster an inclusive environment for our employees and sponsor events that promote physical, mental, and spiritual well-being.
2. Our participation as an executive committee (EXCO) member of the Association of Marine Industries of Malaysia (AMIM) and Coalition of Defense Industry Malaysia (CDIM) highlights our strong commitment to the maritime industry that contributes significantly to the development and innovation within the industry, demonstrating our unwavering commitment to the communities we serve.

GREEN & SUSTAINABILITY

LUNAS integrates sustainability into every aspect of our businesses, from reducing our environmental footprint to supporting green innovations.

1. Actively participate in the Green Electricity Tariff (GET) program by Tenaga Nasional Berhad (TNB) and have been recognized with a Certificate of Achievement for our efforts in promoting renewable energy.

YOUR COMPLETE MARITIME PARTNER

Why Choose LUNAS?

SHIPBUILDING

We design and construct sophisticated vessels, from patrol boats to advanced warships, for the Royal Malaysian Navy and other clients.

MAINTENANCE, REPAIR & OVERHAULS (MRO)

We offer comprehensive maintenance, repair, and overhaul services.

ONE-STOP CENTER

We handle all your shipbuilding and ship repair needs.

PROVEN EXPERIENCE

Decades of success in the maritime industry.

WORLD-CLASS FACILITIES

Advanced infrastructure for top-quality results.

COMMITMENT TO EXCELLENCE

We uphold the highest safety and performance standards.

CAPABILITIES

We are equipped with a highly skilled team.

PROVEN EXPERIENCE UNMATCHED RESULTS

LUNAS boasts a remarkable history of success, having repaired over 400 vessels for the Royal Malaysian Navy (RMN) alone. This achievement is a testament to our diverse capabilities across various programs, including:

- Shipbuilding
- Refits
- Docking Essential Defect (DED)
- Emergency Defect Repair (EDR)
- Naval Overseer Outside Repair (NOOR)
- Slipping and Drydocking
- Service Life Extension programme (SLEP)



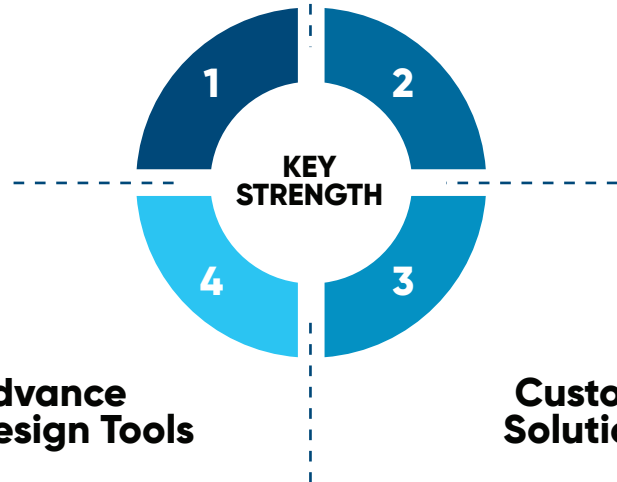
LUNAS ENGINEERING

Powering Innovation
and Excellence

Our dedicated Engineering Department is the backbone of LUNAS's success. Since 1991, they've continuously built expertise across all shipbuilding and shiprepair projects.

**Complete
Design
Capabilities**

**Global
Collaboration**



**Advance
Design Tools**

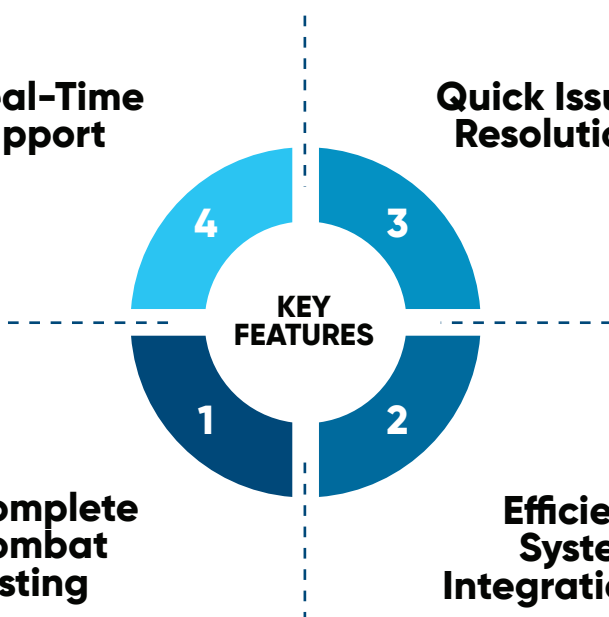
**Custom
Solution**

This commitment to innovation solidify our position as a leader in the maritime industry.

SHORE INTEGRATION FACILITY (SIF): REVOLUTIONIZING NAVAL COMBAT SYSTEMS

**Real-Time
Support**

**Quick Issue
Resolution**



**Complete
Combat
Testing**

**Efficient
System
Integration**

As the only facility of its kind in Malaysia, the Shore Integration Facility (SIF) plays a vital role in the LCS project's success, driving excellence in naval technology and training for RMN personnel.

This state-of-the-art facility ensures the LCS's data systems, sensors, and subsystems are integrated, tested, and optimized before deployment.



ONGOING PROJECT



LITTORAL COMBAT SHIP (LCS)

The Littoral Combat Ship (LCS) is built based on the design of the Gowind 2500 corvette developed by the Naval Group. The Maharaja Lela-Class frigate is the most advanced ship of the Royal Malaysian Navy (RMN) designed for four-dimensional maritime operations.

1

Can accommodate 138 people onboard.

2

Maximum speed of 28 knots with a total range of 5,000 nautical miles and an endurance of 21 days at sea.

3

The ship boasts an array of sensors and processing systems. The Naval Group SETIS combat system forms the backbone of its combat capabilities, complimented by the Thales SMART-S Mk2 search radar, Rheinmetall TME0 Mk2 fire control radar, and the Thales towed array sonar which enhance its situational awareness and anti-submarine warfare capabilities.

4

With a displacement of 3,100 tons and a length of 111 meters, the frigate combines versatility and power.

5

A CODAD propulsion system, consisting of four MTU 20V 1163 TB93 engines, provides a total output of 29,600kW.

6

Carries 16 VL MICA surface-to-air missiles for air defence, eight Naval Strike Missiles for anti-ship operations, and two triple SEA torpedo launcher for anti-submarine warfare. The vessel can accommodate various type of UAVs and helicopters, weighing up to 10 tons, in its stern hangar and helicopter landing platform.

7

Equipped with a Bofors 57 mm Mk3 gun and two MSI DS30M 30 mm cannons for surface engagements.



FUTURE PROJECT

NEW GENERATION PATROL VESSEL BATCH 2 / LITTORAL MISSION SHIP BATCH 3

The second batch of our New Generation Patrol Vessel (2nd NGPV) consists of building 6 vessels specifically designed to:

Enhance Local Expertise

The NGPV program foster advancements in domestic naval shipbuilding design, engineering, and construction capabilities.

Building on a Proven Platform

The NGPV utilizes the well-established MEKO 100 hull design, ensuring reliability and performance. LUNAS incorporated upgrades, including more durable machinery and equipment, to increase vessel endurance.

LUNAS collaborates with local design firms and research institutions for a comprehensive review of the ship design, incorporating expertise in specialized military applications.

Maximize Local Content

LUNAS prioritizes using locally-sourced materials and technical support services wherever possible.

Synergy and Collaboration

The NGPV program leverages the recently acquired * ship construction facilities used for the LCS program, maximizing efficiency.

PRINCIPAL DIMENSIONS

Length Overall	91.10 m
Length DWL	82.80 m
Beam on 1st Deck (MAX)	12.85 m
Beam DWL	11.80 m
Depth to 1st Deck	6.80 m
Design Draught Hull Approx.	3.40 m
Displacement Full Load Approx.	1,852 tonnes
Speed	22 knots
Endurance	21 days
Range at Economical Speed	5000 nM
Complement	76 plus 14 persons
Propulsion Power	2 x Main Engines 10,900 kW
Electrical Power	3 x Generator Set 1,500 kVA
Medium Range Gun	57 mm
All Range Gun	30 mm



ACHIEVEMENTS

**6 UNITS KEDAH-CLASS
NEW GENERATION
PATROL VESSELS (NGPV)**



**4 UNITS KERIS-CLASS
LITTORAL MISSION SHIP
(LMS)**



**2 UNITS SRI TIGA-CLASS
FAST TROOP VESSEL (FTV)**



**SERVICE LIFE EXTENSION
PROGRAMME (SLEP) OF
KASTURI-CLASS CORVETTE**



COMMERCIAL SHIPBUILDING

2002



**2 IN NOS
PULAU PINANG
FERRIES**

2006



**60M OFFSHORE
SUPPORT VESSEL
MV TASNEEM 2**

2008



**60M ANCHOR
HANDLING TUG
MV TANJUNG SARI**

2009



**60.8M WELL TEST
SERVICING VESSEL
TANJUNG GELANG**

2010

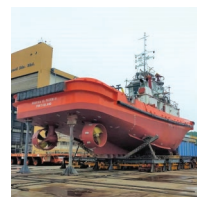


**141M YATCH
HOTEL
SUNBORN III**

COMMERCIAL SHIPREPAIR



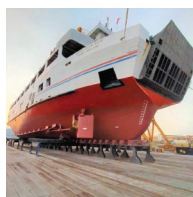
MY CALISTO



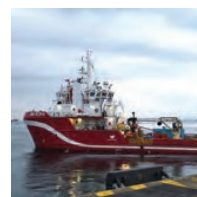
**NAUTICA TANJUNG
PUTERI 2**



**GRADE ONE
MANJUNG 7**



RORO JAYA SATU



**CONVERSION &
MODIFICATION WORKS
FOR JAVA IRDINA**



MY ADASTRA

OTHER BUSSINESSES



PORT CONTAINER CRANE



HYDRAULIC PIPE REPAIR



PIPE FABRICATIONS WORKS



TUGBOAT SERVICES

FACILITIES

AREA

77.28 hectares
(land and water)

JETTY

Floating jetty with quayside
crane

BERTHING

Berthing facility with reticulated
saltwater, fresh water and electrical
supply of 440V and 415V

SHIPLIFT

One 4,500 tonne Synchrolift
Length : 120 meters
Breadth : 23 meters
Depth : 9 meters

SHIP TRANSFER SYSTEM

Rail bound transfer system with
parking length of 1,000 meter

WAREHOUSE

Ten Locations Warehouse
(19,000 sqm)

WORKSHOPS

Steel Fabrications (19,471 sqm)
Ship Assembly & Erection (29,907 sqm)
Outfitting (8,300 sqm)
Piping & Mechanical (19,691 sqm)
Electrical (2,300 sqm)
Electronics & Weapon (6,500 sqm)

LIFTING CAPACITY

Elevating Trucks
Scheuerle
Brohl Shunting Carriage
300T Rubber Tyred Gantry Crane
280T Crawler Crane
50T and 70T Mobile Crane
5T, 10T and 40T Quay Side Luffing Crane

HARDSTAND

Five Locations (31,059 sqm)

HANGAR

8 X Big Tops (Height 29m, area 375 sqm)
Hangar Location 25 (Height 34.5m, area 2,500 sqm)
Hangar Location 31 (Height 10.3m, area 2,400 sqm)
Hangar Location 35 (Height 9m, area 7,200 sqm)
Hangar Location 77 (Height 32m, area 7,500 sqm)
Hangar Location 78 (Height 32m, area 4,500 sqm)

LUNAS 



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