



**OPTIRAS MARITIME PTE LTD**  
**REGISTERED UNDER THE LAWS OF THE REPUBLIC OF SINGAPORE**  
Registered Address: 77 High Street, #09-11, High Street Plaza, 179098, Singapore  
REG. NO. 201922679Z

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## OPTIRAS MARITIME WORLDWIDE SUPPORT



### Company profile

Optiras Maritime Pte Ltd has been established in Singapore in 2019 and is the facilitator of a global network of experienced engineers, professionals, and experts that we managed to structure, connect and control in a fairly short period of time. We provide full technical shipping services for all vessel types.

Our know-how in combination with our five core values of integrity, responsible approach, respect to all partners and customers, ethos and honesty make us a considerable rival in the global market.

Additionally, Optiras Maritime strives to maintain its affordable prices without compromising high quality when it comes to services.

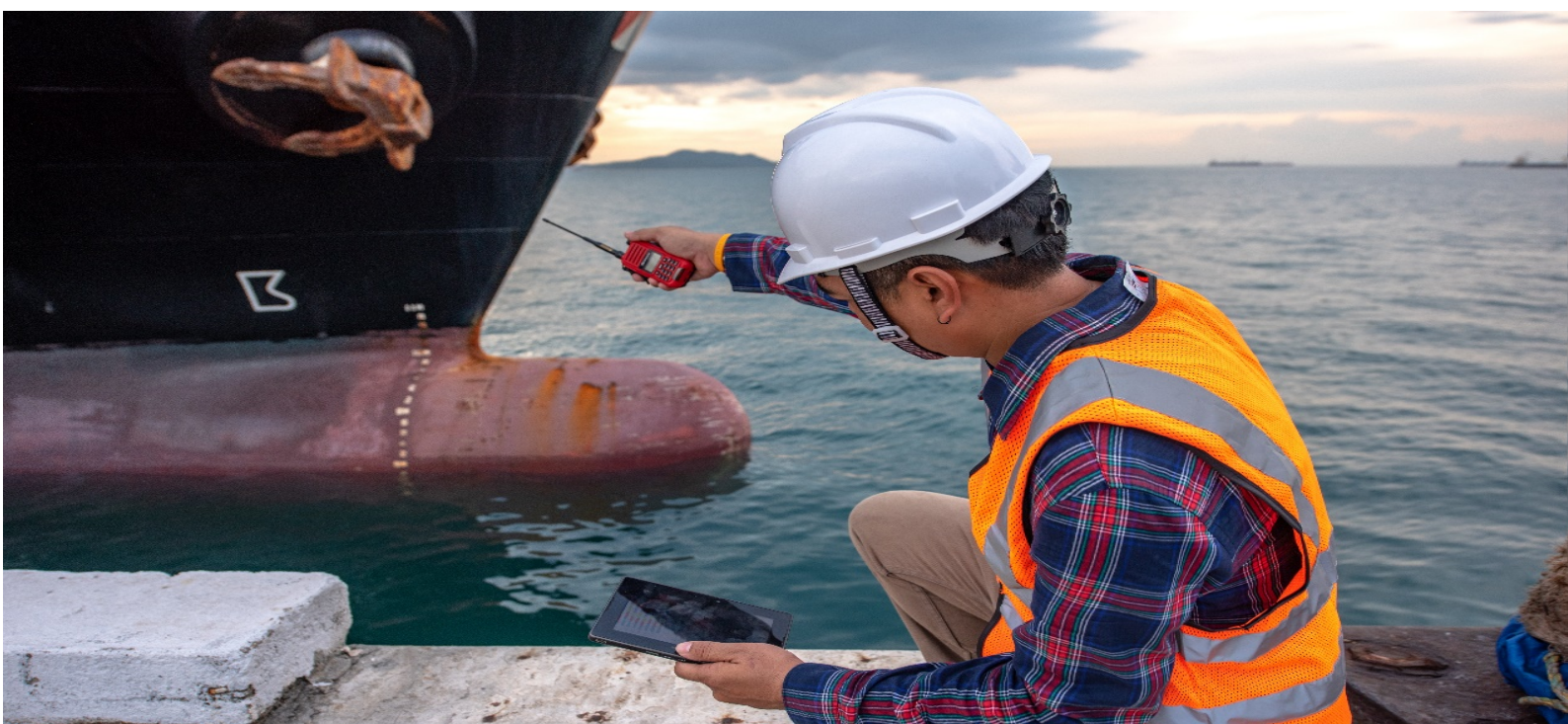


## Our Mission

Fulfilling the requests of our clients in the market via a dynamic approach with the highest standards for environmental protection. Our characteristic is the quality focused - but simultaneously realistic approach to all issues and challenges related to the maritime activities.

## Our Services

Optiras Maritime provides independent services to the shipping community, such as Consulting, Surveying & Inspection, Technical Guidance & Supervision solutions. We have an established network in Asia, Europe, Africa and America. The team of highly trained Naval Architects, Marine Engineers and Master Mariners is available on a 24/7 basis, providing expert advice and cost-effective solutions. Our people all over the world share the same corporate culture and the services we provide are always in line with our core values. We are focused on the needs of our customers and take all possible actions to make this happen.



## Consultancy

### Surveys

- Pre-purchase Surveys Condition Inspection Surveys Cargo Surveys
- Bunker Survey
- ULD Ultrasonic Hatch Covers VDR Remote Data Analysis Inventory of Hazardous Materials (IHM) SIRE/Rightship Pre-Vetting by OCIMF or/and Non-OCIMF Inspector
- SIRE Inspection Attend & Assistance
- Change owners – Class – Flag attendance
- H&M (Hull & Machinery) Lay-up Recovery
- 3D Scan Load Test
- Dry-Dock attendance Engineering
- S&P (Sales & Purchase vessels) P&I Correspondents
- Pre-purchase surveys and class records review Damage Cargo Survey
- Pre-loading Survey Pre-discharge Survey Off/on hire Survey





### Audits

- Cargo Operations (Dry) Audit
- Cargo Operations (Wet) Audit
- Energy Efficiency Internal Audit
- Engineering Operations Audit
- Environmental Compliance Audit
- ISM Audit
- ISPS-MLC Audit
- ISO 14001:2014 Internal Audit
- ISO 27001:2013 Internal Audit
- ISO 45001:2018 Internal Audit
- ISO 50001:2018 Internal Audit
- ISO 9001:2015 Internal Audit
- Marine Inspection (Safety)
- Maritime Cyber Security Internal Audit
- Mooring Operations Audit
- Navigational Audit
- Pre-Vetting Inspection Oil Majors
- Pre-Vetting Inspection Rightship
- PSC Attendance Preparation

### Systems Management

- Operation manuals
- PMS
- Plans and Study
- Trim & stability manuals
- Damage stability manuals
- Hull strength calculations
- Load line calculations
- ITC'69 tonnage calculations
- Cargo Securing Manuals
- Ballast Water Management Plan
- Garbage Management Plan
- SOPEP, SMPEP
- Vessel's specify Safety and Fire Training Manuals
- Fire Control and Safety Plan
- Safety Management System (ISM) and SSP (ISPS)
- Work Permit Audit

### Vessel and Cargo Assurance

- P & I Condition Survey
- Hull & Machinery Survey
- P&I Correspondents
- Damage Cargo Survey
- Pre-loading Survey
- Pre-discharge Survey
- Off/on hire Survey
- Damage Assessment



## Engineering

### ✓ *New Building Projects*

#### Technical Studies

- Preparation of technical specification
- Preparation of drawings & documents for class approval
- Preparation of production drawings
- Co-ordination with class for conducting inclining experiment
- Preparation of stability booklet and longitudinal strength calculation
- Preparation of As-Built drawings

#### **Representation of the owner providing supervision that covers all stages from vessel's design review to sea trials/delivery**

- Specification, tenders preparation, Bids appraisal
- Design approval
- Site supervision of fabrication, construction and installation
- Assessment of contractors' quality control at works
- Technical Acceptance and operating assistance





**✓ Major conversion / modification****Technical Studies**

- Preparation of technical specification
- Preparation of drawings & documents for class approval
- Preparation of production drawings
- Co-ordination with class for conducting inclining experiment
- Preparation of stability booklet and longitudinal strength calculation
- Preparation of As-Built drawings

**Representation of the owner providing supervision that covers all stages from vessel's design review to sea trials/delivery**

- Specification, tenders preparation, Bids appraisal
- Design approval
- Site supervision of fabrication, construction and installation
- Assessment of contractors' quality control at works



✓ ***Ship Repair Management***  
**Technical Studies**

- Drafting of repair specifications
- Assessment of repair quotations
- Preparation of technical specification
- Preparation of drawings & documents for class approval
- Preparation of production drawings
- Co-ordination with class surveys
- Preparation of As-Built drawings
- Assistance to owners during final negotiations with shipyard

**Representation of the owner providing supervision that covers all stages from vessel's design review to sea trials/delivery**

- Specification, tenders preparation, Bids appraisal
- Design approval
- Supervision during repairs
- Co-ordination with class surveys
- Assessment of contractors' quality control at works
- Attendance during sea trials





## Surveillance

### ***OPTIRAS Oil Spill Detection***

The most innovative system we have developed in-house, is the OPTIRAS oil spill detection application.

The integrated OPTIRAS oil spill detection system, through specialized innovative software and high-tech systems, has the ability to detect oil products on the sea surface 24 hours a day, providing real-time information.

The data generated indicate the location, an estimation of the volume of oil and the along with updates and reports. For the completeness and accuracy of the data, the local geographical factors and the peculiarities/uniqueness of the surveillance area are taken into account.



***OPTIRAS Security***

Optiras Security provides identification of possible threats against ship / port-shore facilities.

The early detection of threats in a marine environment is crucial to avoid incidents that can act as a threat to the ship and if that is no longer possible, to ensure critical time to deal with the incident.

Optiras uses infrared cameras and advanced computer vision algorithms to detect targets of interest based on their different spectral signature in relation to the surrounding sea water.

The effective range for detection and identification of a target of interest depends on the specifications of the selected infrared camera and the size of the target.





***OPTIRAS Safety***

Optiras safety is a brand-new application with the man-at-sea detection ability that is key to a successful research and rescue operation.

During navigation, early detection of potential threats to the safety of the vessel and passengers/crew can prevent unpleasant situations such as avoiding a collision with another vessel or early warning of a threat from another vessel. The range for effective detection and identification of a target of interest, depends on the specifications of the selected infrared camera and the size of the target. Indicative ranges for various cameras and target dimensions are available upon request. Optiras is able to make a detection as soon as a target of critical dimension and brightness is present in its field of view.



***OPTIRAS Surveyor***

Optiras surveyor refers to the overview of an area or targets by using purpose-built equipment.

The Operator and the corresponding Engineer perform inspections on areas such as ships, port and shore facilities for specific purposes - environment monitoring, security, research and rescue cases - while the sensors scan these areas thoroughly in order to detect potential targets and samples from a specific area.

Optiras uses infrared cameras and advanced computer vision algorithms to detect targets of interest based on their different spectral signature compared to the surrounding sea water.

The effective range for detection and identification of a target of interest depends on the specifications of the selected infrared camera and the size of the target. Indicative ranges for various cameras and target dimensions are available upon request. Optiras is able to make a detection as soon as a target of critical dimension and brightness is present in its field of view.





## Optiras Maritime Global Network

<b><u>ASIA</u></b>	<b><u>EUROPE</u></b>	<b><u>AFRICA</u></b>	<b><u>AMERICA</u></b>	<b><u>AUSTRALIA</u></b>
BANGLADESH	BULGARIA	ALGERIA	ARGENTINA	AUSTRALIA
CHINA	CROATIA	EGYPT	BAHAMAS	NEW ZEALAND
INDIA	FRANCE	GHANA	BRAZIL	
INDONESIA	<b>GREECE</b>	IVORY COAST	CHILE	
JAPAN	GIBRALTAR	KENYA	COLUMBIA	
MALAYSIA	ITALY	SIERRA LEONE	COSTA RICA	
PHILIPPINES	ROMANIA	MOROCCO	CURACAO	
QATAR	SLOVENIA	SOUTH AFRICA	CANADA	
REPUBLIC OF KOREA	SPAIN	SIERRA LEONE	DOMINICIAN REPUBLIC	
RUSSIA	UNITED KINGDOM	TYNISIA	ECUADOR	
<b>SINGAPORE</b>			JAMAICA	
TAIWAN			MEXICO	
THAILAND			PANAMA	
TURKEY			PERU	
UAE			PUERTO RICO	
VIETNAM			USA	
			VENEZUELA	

## Contact us



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