



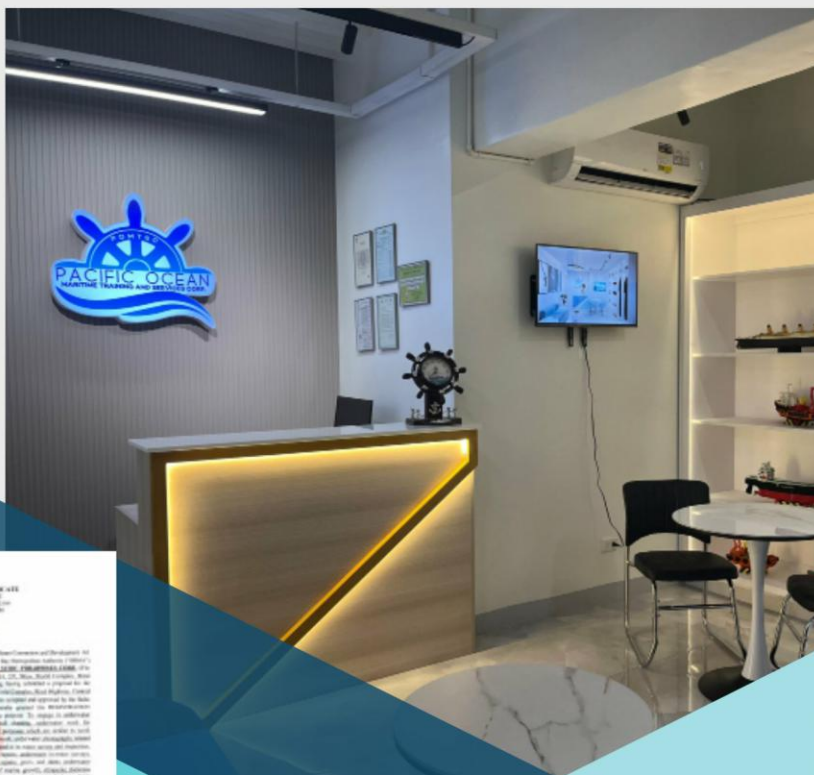
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PACIFIC OCEAN SUBIC
PHILIPPINES CORP.





CEO's Message

Welcome to Pacific Ocean Subic Philippines Corp. We are proud to be a duly registered enterprise of the Subic Bay Metropolitan Authority, authorized to operate within the Subic Bay Freeport Zone and to deliver specialized underwater and marine services. Our registration reflects our strong commitment to compliance, safety, and operational excellence in every project we undertake.

Our company is built on technical expertise, disciplined execution, and a deep understanding of underwater construction, inspection, repair, and subsea operations. From marine surveys and underwater welding to hull cleaning, propeller polishing, and advanced diving works, we strive to provide reliable and high-quality solutions to our clients and partners.

As we continue to grow, we remain committed to professionalism, innovation, and service integrity. We thank you for your trust and look forward to supporting your marine and underwater operational needs.

Hyo Jin Lee
 President
 Pacific Ocean Subic Philippines Corp.



Located within the Subic Bay Freeport Zone, Pacific Ocean Subic Philippines Corp. is a duly registered SBMA enterprise specializing in professional underwater and marine support services. The company is authorized to conduct a wide range of underwater operations, including underwater construction, welding and cutting, propeller polishing, hull cleaning, pipeline inspection and repair, marine surveys, dredging, ROV operations, and general commercial diving works.

Our services cover underwater inspection, photography and videography for in-water surveys, ship and port maintenance, ultrasonic thickness gauging, marine growth removal, sandblasting and painting support, and underwater concrete jacketing and pipe retrofitting. We deliver reliable, safety-driven solutions for marine and subsea projects, supporting industrial, commercial, and maritime clients across the region.





UNDERWATER REPAIR WORKS

Our company specializes in ship maintenance and underwater operations, providing a range of services such as hull cleaning, underwater welding, and propeller repair to enhance the efficiency and safety of vessels. Utilizing the latest technology and equipment, we offer customized solutions tailored to our clients' needs, positioning ourselves as a reliable partner in the marine industry



Underwater hull cleaning

Ship hull cleaning should be conducted periodically, and each task should be performed safely using specialized equipment and skilled personnel. This optimizes the ship's performance and protects the marine environment



Underwater Welding / Cutting

Underwater welding is a welding technique performed in underwater environments such as seas or lakes. It is primarily used in the marine industry, for the maintenance of marine facilities, and in the construction of marine structures. There are two main methods of underwater welding



Ship Propeller Repair

Ship propeller repair involves the maintenance and restoration of the propeller (propeller screw), which provides the main thrust for the ship. The propeller is a crucial component that controls the speed and direction of the ship and requires regular inspection and repair



LAND-BASED REPAIR OF SHIP UNDERWATER PROPELLERS

Land-based repair of ship underwater propellers refers to the process of transporting a ship's propeller from underwater to a land-based facility for repair. This is primarily done to recover or repair damaged propellers. The propeller is a critical component of a ship, responsible for providing the necessary thrust for movement in water.

When the propeller operates underwater, it might sustain damage or wear. Bringing it to a land-based facility allows for thorough inspection, repair, and maintenance work to be performed. This process is crucial for maintaining the ship's performance and ensuring safety.

OIL SPILL RESPONSE

The primary role of an oil spill response vessel is to respond quickly and efficiently to marine pollution incidents, minimizing the impact of pollutants on the marine ecosystem. Specifically, the key roles of an oil spill response vessel include

OIL SPILL RESPONSE - NO.1 VESSEL



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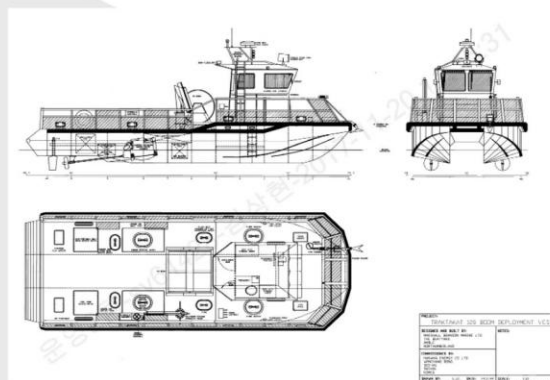
OIL SPILL RESPONSE - NO.2 VESSEL



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MARINE POLLUTION RESPONSE OPERATIONS

Containment of Pollutants

Deployment of Oil Booms: Oil booms are used to contain the spread of spilled oil, preventing it from reaching the shoreline.

Use of Absorbent Materials: Absorbents are used to remove oil and other pollutants from the water surface.

Removal of Pollutants

Skimmer Usage: Skimmers are used to remove floating oil from the water surface, separating and recovering the oil.

Chemical Dispersants: Dispersants are used to break down and disperse oil, aiding its natural degradation in the water.

Shoreline Cleanup

Beach Cleanup: Cleaning contaminated beaches and shorelines manually or with equipment.

Vegetation Restoration: Restoring damaged coastal vegetation and replanting where necessary to rehabilitate the ecosystem.

Environmental Monitoring

Water Quality Monitoring: Regularly testing water quality to monitor the spread and impact of pollutants.

Wildlife Protection: Protecting and rescuing affected wildlife and providing rehabilitation care.

Post-Incident Management

Disposal of Removed Pollutants: Safely disposing of recovered pollutants and waste. Implementation of Restoration Plans.

Developing and executing long-term plans to restore the affected environment.



SAFETY MANAGEMENT POLICY



Underwater construction requires specialized skills, equipment, and thorough safety protocols due to the challenging working conditions. Proper training and adherence to safety measures are crucial for successful underwater operations.



Leadership Commitment:

Management must demonstrate a strong commitment to safety by providing the necessary resources and support to implement safety programs and initiatives.

Employee Involvement:

All employees must actively participate in safety activities, including reporting hazards, attending training sessions, and following safety procedures.

Risk Assessment and Management:

Regular risk assessments must be conducted to identify potential hazards and implement appropriate control measures to mitigate risks.

Training and Education:

Continuous safety training and education programs must be provided to ensure that all employees are aware of safety procedures and best practices.

Incident Reporting and Investigation:
A clear process for reporting and investigating incidents must be established to understand the root causes and prevent future occurrences.

UNDERWATER INSPECTION



REASONS FOR UNDERWATER SHIP INSPECTION

Underwater inspections are conducted to assess the condition of ships or marine structures, including visual inspections, non-destructive testing, and measurements and recordings to improve efficiency, reduce maintenance costs, and provide environmental benefits, thereby ensuring optimal performance, safety, and sustainability of maritime operations.

Conducting underwater inspections instead of using a dry dock saves time and costs, maintains operational continuity, allows for immediate issue identification and resolution, and has environmental benefits by reducing fuel consumption and carbon emissions.

"Our comprehensive solutions ensure that vessels remain safe, efficient, and compliant with industry standards, ultimately contributing to the smooth operation and sustainability of maritime activities."

GENERAL HULL INSPECTION



- Inspect the external structure of the ship using divers or Remote Operated Vehicles (ROVs).
- Check for damage, erosion, and cracks on the hull as well as fouling conditions.

PROPELLER SHAFT SURVEY



- Examine the condition of the ship's propeller for cracks, erosion, and wear.
- Checks the balance and efficiency of the propeller.

SALE AND PURCHASE INSPECTION



- Inspect the external condition of the ship to check for damage, rust, and paint condition.
- Verify the structural integrity of the ship.

UNDER WATER SURVEY IN LIEU OF DRY-DOCKING



- In-Water Survey is an inspection method performed while the vessel remains afloat.
- It is mainly used for routine inspections and minor maintenance, offering a practical alternative that saves time and costs.

ULTRASONIC THICKNESS MEASUREMENT



- Use ultrasound to measure the thickness of the hull to detect erosion.
- Commonly used in cargo ships like tankers.

UNDERWATER STRUCTURE INSPECTION



- Check the condition of underwater structures where the ship is moored.
- Inspects piers, port structures, and underwater cables.

UNDERWATER HULL CLEANING

One of the main concerns for ship owners is 'fuel consumption.' Fouling accumulated on the surface of the ship's hull not only reduces speed but also decreases engine efficiency. We have been striving to develop our own equipment and devices for underwater cleaning to conduct fast and perfect hull cleaning. Additionally, we have introduced the newest equipment and systems from all over the world to improve our service. Using our best methodology, we complete underwater hull cleaning work within 8-15 hours. Upgrade your ship's performance efficiency with our high-quality service.



Underwater hull cleaning is the process of removing fouling and contaminants from the submerged parts of a ship's hull while it remains in the water



EFFICIENCY IMPROVEMENT

Removing fouling such as barnacles, algae, and other marine growth reduces drag, allowing the ship to move more smoothly through the water. This can significantly improve fuel efficiency and reduce operational costs.



ENVIRONMENTAL BENEFITS

Regular cleaning helps in preventing the transfer of invasive species from one region to another, thereby protecting marine ecosystems.



OPERATIONAL CONTINUITY

Underwater cleaning eliminates the need for dry-docking, allowing the ship to remain operational and reducing downtime.



SAFETY AND PERFORMANCE

A clean hull improves the overall performance and maneuverability of the ship, contributing to safer navigation.



COST SAVINGS

By avoiding dry-docking and reducing fuel consumption, underwater hull cleaning can lead to substantial cost savings for ship owners.

PROPELLER SUPER POLISHING



Efficiency Improvement

Polishing the propeller optimizes the flow around the blades, increasing thrust and reducing fuel consumption.



Damage Prevention

The cleaning process reduces resistance and prevents damage to the propeller.



Maintenance Reduction

Regular polishing prevents performance degradation and lowers maintenance costs.



Environmental Protection

Improved fuel efficiency results in lower CO2 emissions, reducing the environmental impact.

Propeller polishing is essential because it improves fuel efficiency, reduces operating costs, and contributes to environmental protection



"The diving team is always ready."

Our highly skilled diving team is always prepared to deliver exceptional service. Equipped with the latest and most advanced equipment, they ensure that every task is performed under optimal conditions to achieve the highest standards of quality and safety.

Rubert A scale



Before Cleaning Condition



After Cleaning Condition



After Super Polishing Condition

BEFORE SUPER POLISHING CONDITION

Biofouling

Accumulation of marine organisms like algae, barnacles, and mussels on the propeller surface.

Corrosion

Oxidation and corrosion of the metal surface due to prolonged exposure to seawater.

Erosion and Pitting

Physical wear and tear from water flow, debris impact, and cavitation, leading to surface irregularities and pits.

Efficiency Reduction

Increased drag and reduced propulsion efficiency due to rough and fouled surfaces.

Vibration and Noise

Increased vibrations and noise caused by imbalance and rough surfaces.

AFTER SUPER POLISHING CONDITION

Exceptionally Smooth Surface

The propeller surface is polished to Rubert A scale, greatly reducing surface roughness and enhancing hydrodynamic efficiency.

Maximum Efficiency

The super-polished surface minimizes drag, resulting in optimal fuel consumption and improved propulsion efficiency.

Extended Lifespan

The reduction in resistance and smoother operation decreases wear and tear, extending the propeller's operational life.

Reduced Cavitation

The smooth surface helps in reducing cavitation, which can cause damage and reduce efficiency.

Improved Performance

Overall performance is enhanced, with increased speed and better maneuverability.

Environmental Benefits

Improved fuel efficiency leads to lower emissions, contributing to environmental sustainability.

UNDERWATER CONSTRUCTION

REPAIR AND MANAGE SHIPS

We are uniquely qualified to respond to your requirements. With our own strict training procedures and optimum facility, we deliver an effective and experienced welding team onsite. This team is composed of underwater wet welding specialists approved by class.



MARINE SPECIALIST

Pacific Ocean Marine Industries Co., Ltd. provides comprehensive O&M and technical support service such as site survey, periodical inspection via the worldwide partnership network.

We provide optimal solutions through skilled executives and employees and the latest equipment for planned inspections and unexpected emergencies or emergency repairs. The Pacific Ocean Industry Co., Ltd. has been approved by all agencies in 8 IACS countries and always provides the best service regardless of the type and size of the ship. All work is carried out in accordance with strict safety regulations, and we are doing our best to satisfy our customers by publishing concise and professional reports.



SHIP HULL MAINTENANCE AND REPAIR



UNDERWATER
PAINTING AND COATING



UNDERWATER
WELDING AND CUTTING

PROPELLER AND THRUSTER MAINTENANCE



PROPELLER REPAIR
AND BALANCING



THRUSTER
INSTALLATION

SUBSEA EQUIPMENT INSTALLATION AND MAINTENANCE



UNDERWATER HABITAT
INSTALLATION



SUBSEA CABLE
INSTALLATION

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Our main purpose is to provide and complete our services underwater, just like in a Dry-dock. To achieve this, we have developed numerous technical patents and achieved significant results. If you have any problem related to underwater, we can definitely provide a customized and economical solution for you.

Azimuth thruster installation is one of the most important operations in the construction of drill ships and semi-rigs due to their height and width. In the worst-case scenario, a failure in thruster installation can lead to dry docking, incurring unexpected enormous expenses. With our service, azimuth thrusters can be safely installed underwater by professionally trained engineers and divers without the need for dry docking. We promise to provide the best service with high satisfaction and a strong sense of responsibility. Come to us for safe and effective cost savings.



SHIP REPAIR SERVICES



BREATHING NEW LIFE INTO SHIPS

With a focus on sustainability and environmental responsibility, we also implement eco-friendly practices in our repair processes. Partner with us to keep your fleet in prime condition, ensuring optimal performance and safety at sea.



Our company takes pride in offering comprehensive ship repair services that cater to the diverse needs of the maritime industry. We understand the crucial role that well-maintained vessels play in the smooth and safe operation of maritime activities. Our state-of-the-art repair facilities are equipped with advanced technology and staffed by experienced professionals who are committed to providing top-notch service.

OUR DEDICATED ONSHORE TEAM IS ALWAYS READY TO SERVE

Through regular maintenance and timely repairs, we help extend the lifespan of ships, enhance their operational efficiency, and ensure compliance with international safety standards. Our holistic approach includes everything from routine inspections and preventive maintenance to complex repairs and retrofitting.

01

HULL REPAIR

The hull is one of the most critical parts of a ship, often subject to damage from seawater and other external factors. Hull repair involves restoring cracks, corrosion, or physical damage to the external structure of the ship. This helps maintain the structural integrity and safety of the vessel.

02

ENGINE AND PROPULSION SYSTEM REPAIR

The engine and propulsion system are key components responsible for the movement of the ship. Malfunctions or performance issues in this system can significantly impact the vessel's operation. Regular inspection and repair are necessary, including replacing engine parts, checking the fuel system, and maintaining the propulsion units.

03

ELECTRICAL AND ELECTRONIC SYSTEMS REPAIR

Various electrical and electronic systems are installed on ships, essential for navigation, communication, and safety management. Electrical and electronic systems repair includes checking and replacing electrical wiring, repairing navigation equipment, and maintaining communication systems. These efforts ensure the electrical stability and efficiency of the vessel.



MARINE POLLUTION RESPONSE



MANAGEMENT OF SUNKEN VESSEL

The process of recovering remaining oil from sunken ships involves several stages. First, GPS and sonar are used to accurately determine the location of the sunken ship. Then, the condition of the ship and the surrounding environment are assessed to analyze potential risk factors.



Based on the risk assessment results, a detailed work plan is formulated and the necessary equipment is prepared. Divers or remotely operated vehicles (ROVs) are used to recover oil from the sunken ship, carefully ensuring that the oil does not spill into the ocean. The recovered oil is then safely treated and stored. After the recovery operation, the condition of the surrounding marine environment is monitored and additional measures are taken to prevent further pollution. This entire process is meticulously planned and executed to ensure environmental protection and the safety of the vessel.

Our divers are regularly trained to improve their ability to react whenever, wherever, and whatever the situation is. We do our best to provide the best service using the newest equipment. Our experienced and professional divers are always waiting for you.

COMPLETED DIVING SPREAD

With an emphasis on safety, we provide a wide range of diving services in construction, inspection, repair, and maintenance. We maintain multiple diving spreads that support complex operations at depths of up to 80 meters. Diving spreads can be customized to meet the client's requirements. Additionally, we have the capability to conduct multiple operations simultaneously. These spreads come complete with a mixed gas system, decompression chamber, launch and recovery system, and equipment container.



EMERGENCY RESPONSE/SALVAGE

Ship salvage plays a critical role in the maritime industry

It involves rescuing stranded or sunken vessels due to accidents or malfunctions, removing oil or cargo to minimize environmental damage, and restoring the ship as much as possible. This helps enhance maritime safety and protect the marine environment.



Initial Response

Quickly arriving at the scene after an accident to assess the situation and begin emergency rescue operations.

Site Assessment

Evaluating the condition of the vessel and the surrounding environment to formulate a salvage plan.

Pollutant Removal

Removing spilled oil or chemicals to prevent environmental pollution.

Salvage Operations

Using necessary equipment and techniques to lift or restore the vessel.

Post-Operation Monitoring

Continuously monitoring the condition of the vessel and the environment after the salvage operation to prevent further damage.

OIL SPILL RESPONSE

In order to respond quickly and effectively to marine pollution accidents, we operate a 24-hour emergency standby system. This system includes a team of skilled experts ready to be dispatched immediately in case of a spill, utilizing the latest equipment and technology to promptly and safely remove pollutants.



Developing the capability to respond to marine pollution accidents and to quickly remove spilled oil in an appropriate and scientific manner is essential to minimize economic loss to the nation and the general public, as well as to mitigate the impact on the natural environment. We actively cope with oil spill response through the cooperation of the Ministry of Oceans and Fisheries and the Ministry of Public Safety and Security, Republic of Korea. Additionally, we implement oil removal from the ships involved in accidents.

RENEWABLE ENERGY

TRUST PACIFIC OCEAN MARINE !

A fully integrated solution for the installation of offshore energy production facilities is available for both fixed (shallow water) and floating (deep water) installations. This comprehensive service includes meticulous management of all stages, from initial design and planning, engineering and procurement, construction and installation, connection and integration, operation and maintenance, to environmental monitoring and reporting. By systematically managing each step, this solution ensures the safe and efficient production of energy. Advanced equipment and technology are utilized to provide safe and prompt maintenance, contributing to the protection of the marine environment.



Our latest maintenance services ensure efficient and stable wind power generation at sea. Our professional team maximizes turbine performance and extends their lifespan with regular inspections and repairs. We provide safe and prompt maintenance using advanced equipment and technology. Harness the wind of the sea into energy! We accompany you on your journey towards a sustainable future.

FOR THE BEST OFFSHORE WIND POWER MAINTENANCE MANAGEMENT, CONSULT WITH US NOW!



ENVIRONMENTAL PROTECTION

Renewable energy does not use fossil fuels, thereby reducing greenhouse gas emissions and mitigating global warming and climate change.



ENERGY SECURITY

By producing energy locally through renewable sources, dependence on external energy is reduced, thus enhancing the stability of energy supply.



TECHNOLOGICAL INNOVATION

The development and advancement of renewable energy technology promote innovation in related industries and provide new technological breakthroughs, positively impacting other sectors.



SUSTAINABILITY

Renewable energy sources such as the sun, wind, and water are inexhaustible and ensure a stable energy supply in the long term.



ECONOMIC BENEFITS

The renewable energy sector creates numerous jobs and revitalizes local economies. Additionally, it provides economic benefits through relatively low operational costs after initial investments.



PUBLIC HEALTH AND SAFETY

Renewable energy reduces air and water pollution compared to fossil fuels, thereby improving the health and safety of local communities.



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