



PRO MARINE

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PRO MARINE SOLUTIONS: PIONEERING MARITIME EXCELLENCE

Overview :

Established in 2008, PRO Marine Solutions Private Limited is a premier system integration company dedicated to the marine and offshore sector. With nearly two decades of expertise, we deliver custom- tailored, cost-effective turnkey solutions that enhance vessel performance, safety, and efficiency. Our commitment to innovation and client satisfaction positions us as a trusted partner in maritime technology, meeting the highest industry standards.

Our Solutions :

We provide a comprehensive suite of advanced solutions covering the Navigation bridge to the machinery engine room space :

▪ **Dynamic Positioning Systems :**

DP0, DP1, DP2 & DP3 systems: in accordance with IMO & IACS requirements.

▪ **Environment & Reference Sensors :**

- **Environmental Sensors used in dynamic positioning of vessels**
 - ▷ Wind sensors (DEIF & RM YOUNG)
 - ▷ Motion reference sensors (Inertial LABS)
- **Absolute & Relative positioning reference sensors providing accurate position reference for Dynamic positioning**
 - ▷ Heading sensors : Gyro, INS (Inertial Labs)
 - ▷ Absolute position sensors : DGPS (RONAV)
 - ▷ Targetless reference sensors : (Furlong Sensing)
 - ▷ Laser reference sensors : CYSCAN A/S (Guidance Marine)

- ▷ Microwave/Radar reference sensors : RADASCANVIEW
(**Guidance Marine**)
- ▷ Acoustic reference sensors : RANGER2 (**Sonardyne**)
- ▷ Taut wire reference Sensors : (**SMT-AB**)

■ **Integrated Machinery Alarm monitoring & Control Systems :**

For automating, monitoring (Visualisation, Data Logging & Trending) and control of the various ship's machinery from a centralised control. Protects machinery from malfunctions & failures. Flexible & redundant architecture which meets all class rules for centralised monitoring & control and UMS notations. Remote access for remote troubleshooting.

■ **Propulsion Control Systems. :**

Designed to control single or multiple propeller and thrusters. Tailored to suit any existing CPP or FPP propulsion, tunnel, azimuth thruster or rudder control. Retrofits existing and obsolete Rolls Royce Helicon X / Wartsila Lipstronics / Berg ERC 3000 or NORIS controls systems.

■ **Engine controls. :**

Designed for the monitoring & Protection of 4-stroke diesel engines driving alternators or the propulsion plant. We retrofit obsolete 4-stroke diesel engine control system & our proven retrofit solution for the Wartsila WECS controls system is operational on vessels operating in the Middle east under extreme conditions.

■ **Fuel Consumption Monitoring. :**

Using Coriolis flow meters and data analytics with remote cloud monitoring. The solution complies to many oil majors like ONGC, ADNOC, ARAMCO.

■ **Power Management Systems :**

Integrated with the power plant & distribution system, the multi master designed power management system ensures optimal generation of the ships electric power ensuring economy, reliable and fuel-efficient power plant operation. Designed to work under split bus and closed bus conditions for Dynamic Positioned vessel with DP2 & DP3 notation.

Our Products :

- Fire detection systems (conventional & addressable solutions)
- Gas detection systems (multiple gases monitored)
- Tank level gauging (cargo tanks, ballast, fuel oil & fresh water tanks)
- Shaft power monitoring & ShaPoLi

Our Services :

Our end-to-end services ensure project success :

■ **Engineering & Design :**

Custom solutions from concept to detailed drawings, class approvals

■ **Manufacturing & Procurement :**

High-quality components with strict quality control.

■ **Testing & Quality Assurance :**

Rigorous testing for reliability and regulatory compliance.

■ **Installation & Commissioning :**

Seamless system integration with vessel systems by certified engineers & technicians.

■ **Training & Documentation: :**

On site training & Comprehensive resources for crew proficiency.

■ **Technical Support & Maintenance :**

Remote connectivity, 24/7 after sales support for uninterrupted operations.

■ **Refit & Retrofit :**

Obsolescence & Modernizing vessels for enhanced performance.

■ **Project Management :**

Planned & timely execution. Budget-conscious project delivery.

Major Projects :

Our portfolio showcases transformative achievements:

- **Upgraded various offshore vessel dynamic positioning capabilities for offshore operations in line with oil majors & IACS requirements.**

Converted below Vessels from DP1 to DP2 :

- Priya Twenty Three,
- Priya Twenty-Five,
- Priya Twenty-Seven.
- Coastal Triumph
- Greatship Amaira
- Triton Harmony
- ABS Anokhi
- AHTS Shubhapradha
- Taurus 24
- PSV Kamet

Albatross 37- Converter from Non-DP to DP#1 Vessel.

Offshore Adventure- Retrofitted obsolete Poscon with Tricon IJ.

Albratross 5- Retrofitted obsolete Poscon with IJS.

- **Modernized vessels with retrofit solutions for efficiency and safety. Retrofitted obsolete vessel management & power managements systems to latest technologies to meet regulatory compliance.**
 - Priya Twenty-Three,
 - Priya Twenty-Five,
 - Priya Twenty-Seven.
 - Greatship Amaira
 - Triton Harmony
 - AHTS Shubhapradha
 - Canara Pride.
 - Taurus 24

- **Implemented advanced data logging for charter compliance.**
 - Priya Twenty-three,
 - Priya Twenty-Five,
 - Priya Twenty-Seven.
 - Greatships Amaira
 - Triton Harmony
 - AHTS Shubhapradha
 - Canara Pride.
 - Greathsip Amrita
 - Greatship Anjali
 - Offshore Warrior
 - Taurus 24
 - Offshore Adventure
 - Greatship Dipti
 - Sagar Fortune
 - Offshore Monark
 - Saroja Blessing
 - Adwita
 - Winposh Regent

- **Enhanced offshore vessels & yacht manoeuvrability with custom thruster controls and propulsion control systems.**
 - Priya Twenty-Seven
 - Priya Twenty-Five
 - Olympus

- Implemented advanced fuel consumption monitoring solutions offshore vessels operating in ONGC charter.
 - Priya Twenty-Three,
 - Priya Twenty-Five,
 - Priya Twenty-Seven.
 - Olympus
 - Great Ship Anjali
 - Thera
 - Offshore Unity (Ex- Ortalano Tide)

Strategic Partnerships :

We collaborate with world-class OEMs to deliver cutting-edge technology, ensuring our solutions meet global standards set by IMO & IACS

■ OEM PARTNERS :



■ TECHNOLOGY PARTNERS :



Why Choose PRO Marine Solutions ?

- **Proven Expertise** : Nearly two decades of delivering innovative solutions.
- **Global Compliance** : Approved by leading classification societies.
- **Client-Centric Approach** : Tailored solutions with comprehensive support.
- **Flexible Workforce** : Tackling challenges with agility and precision.

READY TO TRANSFORM YOUR MARINE OPERATIONS?

Visit www.promarine.in to connect with our team and explore how our innovative solutions can elevate your fleet.

