



SINOR MARINE SERVICES

MIDDLE EAST FZCO

EDITION · 2026

MARINE DP EXPERTS · CAPABILITY PROFILE

Engineering Excellence for the Maritime Industry

Specialist in Dynamic Positioning systems, Electrical & Automation — supporting offshore vessels with integration, upgrades and lifecycle engineering.

DP Systems

Marine Automation

Electrical Solutions

Navigation Systems

Thruster Control



— ABOUT SINOR MARINE

Engineering reliable marine automation since 2024.

Sinor Marine Services is a specialist in Dynamic Positioning, Marine Automation and Integrated Offshore Systems — supporting offshore vessels with reliable, class-compliant DP, electrical and automation solutions.

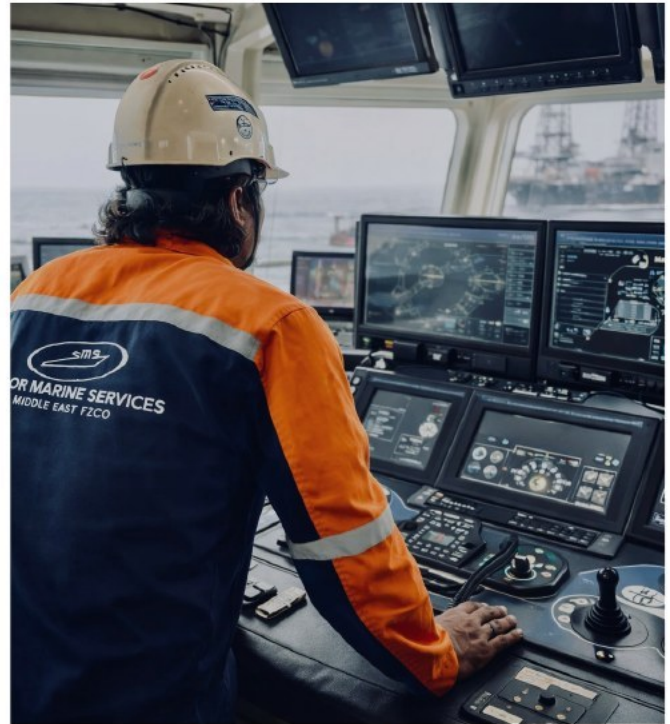
Our work is grounded in over 20 years of hands-on DP engineering experience, with extensive involvement in DP operations, system upgrades, commissioning and troubleshooting across offshore vessels.

GUIDING PRINCIPLES

- Engineering integrity — 0% error tolerance
- Ownership & accountability through sign-off
- Operational excellence under demanding schedules
- Innovation aligned with offshore standards

**"Accuracy creates credibility.
Credibility creates trust."**

NAVEEN THANDARATH · GENERAL MANAGER



OFFSHORE ENGINEERING · DUBAI, UAE

20+

YEARS EXPERIENCE

50+

PROJECTS COMPLETED

40+

COUNTRIES SERVED

98%

CLIENT SATISFACTION

— DP & THRUSTER CONTROL

Class-approved DP systems & Z-Thrust thruster controls.

Dynamic Positioning system installation, maintenance and annual trials together with PLC-based independent thruster control.

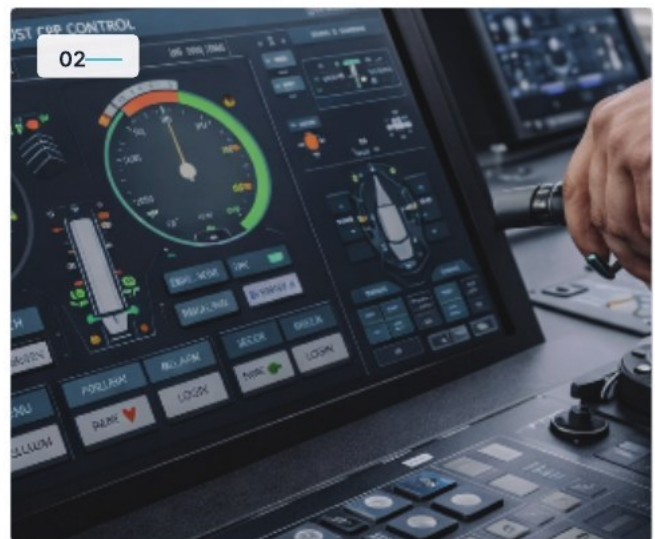
As authorised representatives of the two major DP manufacturers — Marine Technologies (MT) and NAVIS Engineering — we deliver type-approved DP systems with full OEM backing.



DP Systems

- DP system installation & commissioning
- Annual DP trials
- FMEA documentation
- DP operator training & system upgrades

CLASS-COMPLIANT · OEM-NEUTRAL



Z-Thrust Thruster Control

- PLC-based independent control solution
- Independent steering system
- Propulsion integration
- System diagnostics & monitoring
- Reliable maneuvering control

CLASS-COMPLIANT · OEM-NEUTRAL

INTEGRATION OUTCOME

Single-source bridge engineering across DP and thruster networks.

DP SYSTEMS

Dynamic Positioning Systems.

Sinor Marine Services (SMS) delivers type-approved DP systems across all classes, with joystick and manoeuvring controls for offshore vessels, cruise ships, ferries, workboats and super yachts — backed by integration, upgrades, retrofits and global after-sales support.

50+

PROJECTS COMPLETED

40+

COUNTRIES SERVED

98%

CLIENT SATISFACTION

DP TECHNOLOGY PARTNERS

Advanced Dynamic Positioning solutions from NAVIS and Marine Technologies.



NAVIS Engineering

High-end Dynamic Positioning and joystick control systems including NAV DP 4000 and NJOY — designed for operational efficiency, fuel optimization and compact bridge integration.

- NAV DP 4000 Class DP System
- NJOY Joystick Control
- Fuel Saving Modes
- Compact Bridge Footprint



Marine Technologies

Fully integrated bridge and Dynamic Positioning systems meeting IMO Class I, II and III requirements with complete propulsion, navigation and thruster control integration.

- Integrated Bridge Systems (IBS)
- DP Class I, II & III
- Thruster Control Systems
- Position Keeping & Remote DP

ADVANCED DP CAPABILITIES

Real-Time Position Control

Multi-sensor fusion maintains vessel stability under extreme wind, wave and current conditions.

Redundant Architecture

Fail-safe design with automatic redundancy management for uninterrupted operations.

Class Approved Systems

Compliant with DNV, ABS and Lloyd's Register DP requirements.

DP REFERENCE & SENSORS

DP reference systems & navigation instruments.

A focused lineup of DP reference systems & sensors, motion and inertial systems, and navigation instruments from trusted manufacturers.

01	DGPS / DGNSS FUGRO	High-accuracy satellite positioning for DP operations and station keeping.	
02	Hydroacoustic Systems SONARDYNE	Underwater positioning reference for subsea operations and DP redundancy.	
03	Laser, Optical & Radar PRS CYSCAN · RADASCAN	Non-contact relative positioning for DP reference and close-proximity ops.	
04	Taut Wire Position Reference SMT (UK)	Robust position reference where taut wire is preferred or required.	
05	Motion Reference Unit (MRU) MARINE TECHNOLOGIES · INERTIAL LAB · NAVIS	Heave, pitch, roll and motion data for DP, survey and vessel control.	
06	Inertial Navigation System SONARDYNE SPRINT-NAV	Inertial navigation and aiding for reliable vessel positioning.	
07	Wind Sensors R. M. YOUNG · OBSERVATOR	Accurate wind speed and direction sensing for DP and bridge systems.	
08	Gyrocompass & Navigation MARINE COMPLIANT	Core navigation instrumentation for heading, attitude and bridge integration.	

MARINE AUTOMATION

Vessel automation, engineered for uptime.

Advanced automation solutions for engine rooms, cargo systems and vessel operations — improving efficiency and reducing operational costs.

01	Engine Room Automation CLASS-COMPLIANT	Integrated engine-room control with alarm & monitoring across main propulsion and auxiliary plant.	
02	Cargo Monitoring Systems OSV · TANKER	Tank-level, temperature and pressure monitoring with centralised cargo control room interface.	
03	Alarm & Monitoring (AMS) IMO COMPLIANT	AMS configuration, sensor mapping and human-machine interface tuning for reliable watchkeeping.	
04	PLC Programming & Upgrades MULTI-OEM	Ladder-logic upgrades, controller migration and field-bus retrofits with full FAT/SAT support.	
05	System Integration BRIDGE-WIDE	End-to-end integration tying DP, propulsion, navigation and power management into one bridge.	

OUTCOME

Integrated control improving vessel efficiency and reducing operational costs.

ELECTRICAL & POWER

Marine electrical and power systems.

Complete marine electrical services from power generation to distribution — high and low voltage systems for all vessel types.

01	Power Management Systems HV / LV	PMS configuration, load sharing and blackout prevention for diesel-electric vessels.	
02	Switchboard Upgrades MV / LV	MV/LV switchboard refurbishment, breaker replacement and protection-relay coordination.	
03	Cable Installation & Surveys IEC COMPLIANT	Marine-grade cable routing, gland sealing, IR testing and electrical condition surveys.	
04	Frequency Power Converter IEC 80005-3	Fast MV/LV installation, 230–700V+ output and 50/60Hz conversion for shore-supply readiness.	

ENGINEERING OUTCOME

Power systems engineered for reliability and class compliance.

DP Suite

DPO DECISION SUPPORT & TRAINING PLATFORM

EXPERIENCE THE SOLUTION

A joint initiative by **Sinor Marine Services** and **Xplisi Technologies** - combining proven DP system engineering with deep offshore operational experience to deliver an integrated decision support platform that empowers DP Operators, Masters, and vessel owners.



Sinor Marine Services DP INTEGRATION & 24/7 SUPPORT

Specialists in Dynamic Positioning, Marine Automation, and Integrated Offshore Systems. OEM-certified engineers, class-approved service providers, with proven expertise in DP system installation, upgrades, commissioning, and troubleshooting. SMS ensures seamless real-time connectivity between the DP Suite and the vessel's DP system - backed by round-the-clock global technical support.



Xplisi Technologies PLATFORM DESIGN & DEVELOPMENT

A team of seasoned maritime professionals with decades of frontline experience in DP operations, regulatory development, and DPO training and assessment - including Nautical Institute-accredited DP assessors and senior instructors. Xplisi designs, builds, and continuously evolves the DP Suite platform based on real operational needs from the bridge.

DP Suite - A Complete Operations Platform

Designed and developed by **Xplisi Technologies** and integrated with live DP systems through **Sinor Marine's** proven engineering capabilities, the DP Suite combines real-time monitoring, intelligent decision support, regulatory compliance management, and continuous training into a single, unified platform - a **total solution**, not just software.

ASOG Monitor Real-time ASOG with automatic status changes that instantly inform the DP Operator what action to take	CAM / TAM / SIMOPS Continuous Activity Monitoring, Task Appropriate Mode, and Simultaneous Operations management per operation type	DP Checklists Configurable operational checklists - Field Arrival, 500m Zone, Location, 6-Hour, Engine Room	Risk Assessment Peak-based risk algorithm with operation-specific factors and real-time scoring
AI Manual Assistant Instant answers from vessel manuals - the DPO asks, the AI delivers relevant guidance directly from onboard documentation	Human Factors Fatigue monitoring, human factor assessments, and crew readiness tracking to manage bridge team performance	Drills & Scheduling DP drill planning with schedule management, automated reminders, and completion tracking per IMCA requirements	Standing Orders & FAM DP Standing Orders, DPO Familiarisation workflows, and structured onboarding for bridge team readiness
Document Control Full documentation management aligned with IMCA guidelines - FMEA, trials, audits	Activity Logging Complete audit trail of all DP events, status changes, watch handovers, and system actions	Role-Based Access Master, SDPO, DPO, Chief Engineer, Company Admin - each with appropriate permissions	Fully Configurable Every aspect user-configurable to match the vessel's specific technical characteristics and equipment layout
Locked Workflow Step-by-step locked procedures ensure the DP Operator always follows the correct sequence - no confusion, no missed steps	Live Chat with Office Real-time communication channel between bridge team and shore-based management for immediate coordination	Incident Reporting DP incident recording, tracking, and reporting - ensuring proper documentation and lessons learned	Live DP Integration Direct connection to vessel DP systems via Sinor Marine's proven integration technology

Who Benefits

For Masters & DPOs > Clear, real-time guidance on what to do and when > Automated ASOG status tracking > Continuous learning through tips and workflows > Confidence during critical situations > Structured checklists that prevent omissions	For Vessel Owners & Managers > Full visibility into vessel DP status > Regulatory compliance and audit trails > Reduced operational risk and liability > Assurance of correct bridge procedures > Document control per IMCA & Class standards	For DP Training Centers > Real operational scenarios for hands-on training > Scenario-based ASOG decision exercises > Regulatory framework applied in practice > Bridge readiness assessment tool > Measurable trainee competency outcomes
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"Accuracy creates credibility. Credibility creates trust."

- Sinor Marine Services

WHY SINOR MARINE

Why choose Sinor Marine Services?

Over 20 years of hands-on DP engineering experience forms the foundation of our technical capability — delivering reliable, class-compliant solutions for offshore and commercial vessels.

01	Certified Engineers CLASS-APPROVED	Class-approved service providers and OEM-certified technicians supporting every scope.	
02	Global Coverage 40+ COUNTRIES	Delivered projects across 40+ countries with local mobilisation from key offshore hubs.	
03	Quality Assured 0% ERROR TOLERANCE	Multi-specialised engineering team committed to technical accuracy and zero-error delivery.	
04	24/7 Support ON-CALL WORLDWIDE	Around-the-clock technical assistance and engineer dispatch for urgent operational needs.	

CERTIFICATIONS

ISO 9001:2015

QUALITY MANAGEMENT

ISO 14001:2015

ENVIRONMENTAL MANAGEMENT

ISO 45001:2018

OCCUPATIONAL HEALTH & SAFETY

TECHNOLOGY PARTNERS

Trusted by global engineering leaders.

Sinor Marine Services is proud to be associated with the world's most respected names in Dynamic Positioning, marine automation, navigation, propulsion and power. These long-standing OEM relationships allow us to deliver type-approved, class-ready solutions backed by genuine spares, factory training and global lifecycle support.



NAVIS ENGINEERING



MARINE TECHNOLOGIES



SONARDYNE



FUGRO



GUIDANCE MARINE



SMT



WOODWARD



VACON



ABB



SIEMENS



SCHNEIDER ELECTRIC



DEIF

One partner. Twelve world-class brands. Limitless capability.

Type-approved equipment · Genuine spares · Factory-trained engineers · Lifecycle support



GET IN TOUCH

Looking for marine technology solutions?

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24/7 technical support
available for urgent needs

ENGINEERING EXCELLENCE · CLASS-COMPLIANT DELIVERY · 24/7 SUPPORT

Ready to discuss your next project?

Connect with our DP engineering team — we respond within one business day.