

DP ASSURANCE & CONSULTANCY SOLUTIONS

OUR SERVICES
DEDICATED TO
DYNAMIC
POSITIONING
ASSETS



**BUREAU
VERITAS**

SOLUTIONS
Marine & Offshore

DP ASSURANCE & CONSULTANCY SOLUTIONS

Vessel and Mission-specific support to select, integrate, operate and verify your DP system.

In the search for safe, efficient and cost-effective operations, DP systems are paramount.

In order to meet regulatory compliance and ensure fault-tolerant and safe DP operations you need a team of multi-disciplinary experts, with extensive field experience.

Our in-house team of experts covers all the specialities involved in DP systems and operations. They were among the first DP consultants to attain International Maritime Contractors Association (IMCA) accreditation.

OUR OFFERING & VALUE PROPOSITION

DP TRIALS

Our multi-disciplined team of DP Practitioners have decades of experience in the witnessing of DP FMEA Proving Trials and DP Annual Trials. Our team is available around the world 365 days per year, to assist with your DP Assurance requirements.

- » Our IMCA accredited practitioners can ensure the adherence of your system to industry guidelines.
- » Our team can develop a rotational trials programme which can verify the integrity of your DP system in an efficient manner.
- » Our team's expertise is comprehensive holistic, and internationally recognised.

FAILURE MODES AND EFFECTS ANALYSIS

Using Failure Modes, Effects (and Criticality) Analysis (FME(C)A) our team can identify different failure scenarios and study the effect on the overall DP Redundancy Concept.

- » Early identification of potential concerns.
- » Improving the overall resilience and redundancy of the system.
- » Enabling safe and compliant DP systems and operations.

DP FEASIBILITY STUDIES

We can assess the specific requirements for your vessel, aiming to provide flexibility in configuration for DP operations and ensuring vessel upgrades do not compromise the DP Redundancy Concept.

- » DP Equipment Class upgrade consulting, identifying the areas which must be considered during this process.
- » Energy Storage System Installation Studies to assess the impact on the DP system of converting the power plant to a hybrid system, improving fuel efficiency.
- » Fuel Savings Feasibility Studies ensuring compliance with Class notation whilst operating with increased flexibility to reduce fuel consumption.

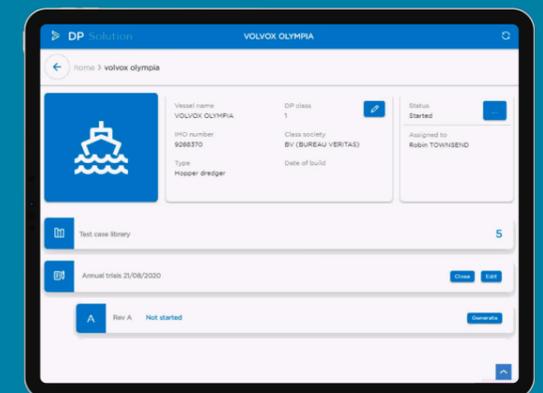
DP SOLUTION

BVS Dynamic Positioning Digital Reporting Tool

Traditionally surveyors write the DP test programs and record the tests resorting to a number of written documents, photographs and other records, while the reporting is typically done by hand.

Leveraging our R&D capabilities, BV Solutions M&O has developed a digital tool to streamline annual DP trials for vessels.

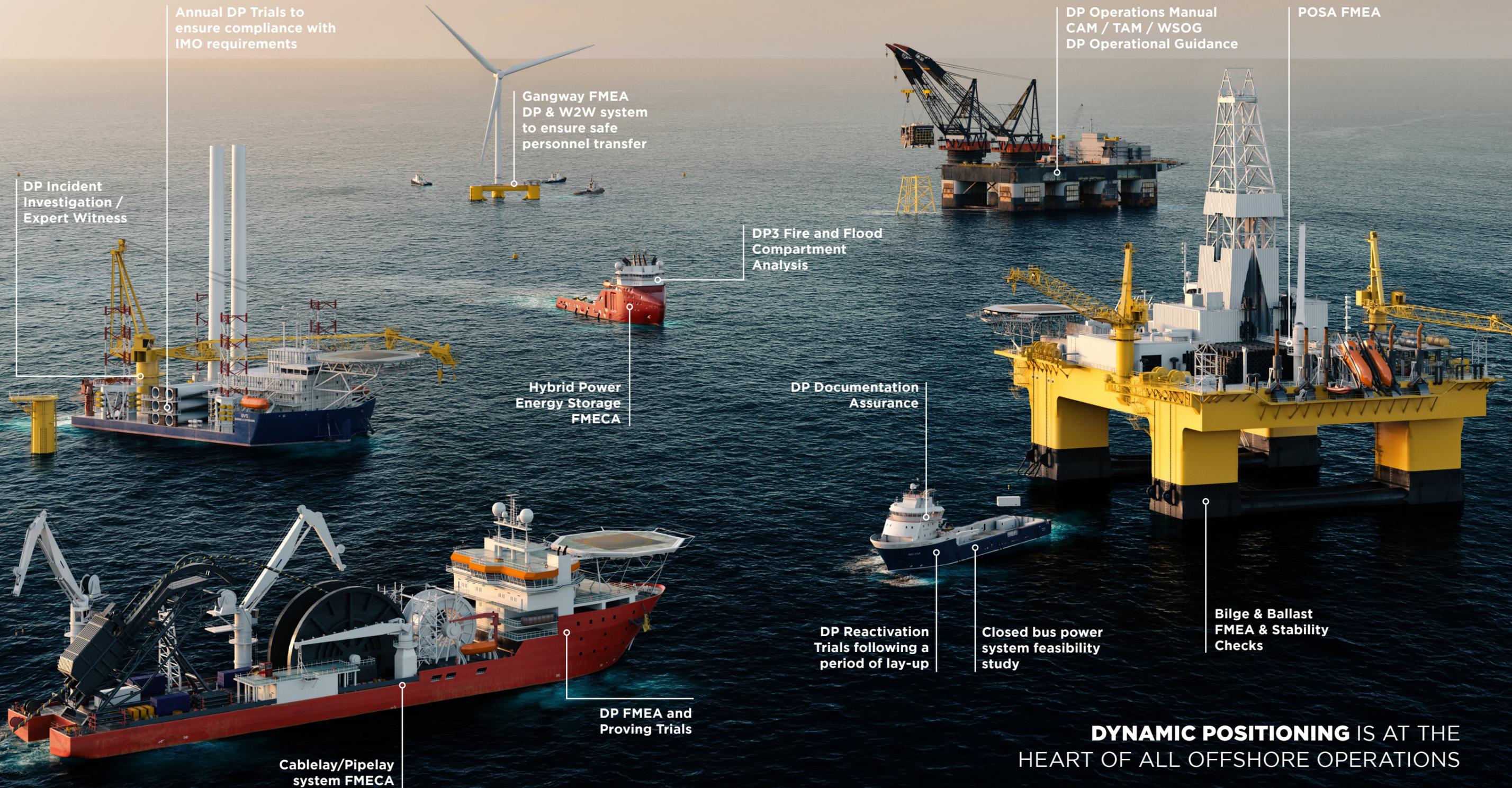
This digital tool will assist surveyors in digitizing the reporting process, reducing trial time onboard.



EXAMPLES OF DP CHALLENGES WE CAN HELP WITH:

RENEWABLES

OIL & GAS



DYNAMIC POSITIONING IS AT THE HEART OF ALL OFFSHORE OPERATIONS



FORWARD- **THINKING** FORWARD- **ACTING**

For our clients' assets, processes, people and data management in the shipping and offshore energy markets, BV Solutions M&O is the technical advisory, asset management and assurance solutions partner.

In an increasingly digital world, we go beyond pure compliance to enable our clients' assets to perform more reliably, more efficiently and at a significantly reduced level of risk. Our strong culture of service and quality allows us to resolve new or complex client issues and deliver well-packaged, top-tier solutions that de-risk projects and optimize cost.





HIGH-PERFORMANCE SOLUTIONS

FOR FAST-CHANGING MARINE & OFFSHORE ENERGY MARKETS

Bureau Veritas Solutions Marine & Offshore is an entrepreneurial, collaborative solutions provider, building on 190 years of experience.

We provide technical advisory, asset management and assurance solutions for the Marine and Offshore energy markets. Our top-tier, added-value solutions enable clients to resolve new and complex issues, de-risk projects and optimize costs.

By listening to our clients and gaining an in-depth understanding of their challenges, our experts can deliver tangible improvements to asset and business performance, safely and responsibly. In an increasingly digital world, we partner with clients to go beyond compliance, enabling their assets to perform reliably, efficiently and with a significantly reduced level of risk and cost.

Together we build on what we know today to change how things are done tomorrow... for good.

www.bvsolutions-m-o.com



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