



# OFFSHORE VESSEL SERVICES



**BUREAU  
VERITAS**

**SOLUTIONS**  
Marine & Offshore



# SERVICES

## OPERATIONAL

Our master mariners with decades of experiences, are closely supported by our desk-based technical team, enabling us to be available around the world 365 days per year, to assist with all your marine operations.

- Operational Planning and Simulation
- Downtime Assessment
- Marine Coordination
- Client Representation
- Tow Masters
- Seafastening
- Transport and Afloat Lift
- Subsea Construction Studies
- Anchor Handling and Kedging

## UPGRADES AND MODIFICATIONS

In a competitive market for Offshore Vessels, maintaining assets up to date and adaptable to different missions is critical to their financial viability. Our multidisciplinary team provides all the necessary support to ensure upgrades and modifications are cost-effective and seamlessly implemented.

- Structural Engineering and Design
- Stability and Hydrodynamics
- Propulsion and Seakeeping
- Power Plant
- Dynamic Positioning
- Critical Safety Systems
- Mission-Specific Equipment

## SAFETY AND COMPLIANCE

Our consultants can provide a comprehensive view of the risk and regulatory challenges for your vessels, offering solutions to maintain all risks as low as reasonably practical, and ensuring continuous compliance with evolving regulation and standards.

- Compliance Advisory Support
- Risk Assessments
- Verification and Approval
- Stakeholder Engagement
- Health, Safety & Environment Consultancy
- Gap Analyses
- Engineering of Compliant Solutions
- Marine Assurance and consultancy services

## LEGAL AND ARBITRATION

Providing technically sound, impartial evidence, BV Solutions M&O's team of reputable experts are available to support you with all your legal cases.

- Expert Witnesses
- Third Party Arbitration

## VESSELS WORKED ON

### CONSTRUCTION



GLOBAL SYMPHONY

### DECK CARRIER



BIGROLL BAFFIN  
BIGROLL BEAUFORT  
BIGROLL BERING  
BIGROLL BARENTZ

### DIVE SUPPORT



ULTRADEEP MATISSE  
DEEP DISCOVERER  
DEEP EXPLORER  
DEEP ARCTIC  
REVER POLARIS  
REVER SAPPHIRE  
REVER TOPAZ  
SEVEN EAGLE

### HEAVY LIFT



SEAWAY STRASHNOV

### PIPELAY



SEVEN RIO  
SEVEN SUN  
SEVEN CRUZEIRO  
DEEP ENERGY  
DEEP BLUE  
APACHE II  
DEEP ARCTIC  
ALLSEAS LORELAY  
G1200  
SEVEN CRUZEIRO

### PLATFORM SUPPLY



GRAMPIAN TALISKER  
GRAMPIAN TALISMAN

### REEL LAY



SEVEN VEGA

## EXAMPLES OF CHALLENGES WE CAN HELP WITH



**Turnkey Solution for New Missions, Including:**  
Survey of Current Vessel Condition  
Gap Analysis  
Seafastening Design  
Planning of Operations  
Downtime Assessment  
Dynamic Positioning Trials  
Tow Masters  
Client Representation  
Marine Assurance

### Dynamic Positioning Trials

**Electrical System Upgrades for Higher Power Demands**

**Helideck Compliance with CAP437**

**Crane Operational Envelope Accounting for Stability and Motions**

**Dynamic Positioning Manual Review and Updates**

**Escape Route Review and Approval**

**Structural Verification for Crane Upgrades**

**Platform Collision Risk and Consequence Study**

**Mooring Spread Installation Sequence and Procedures**

**Flood Risk Assessment and Emergency Response**

**Review of Dynamic Positioning System Following Thrusters' Upgrade**

## KEY NUMBERS

OUR TEAM HAS OVER

**250**

STAFF MEMBERS

INCLUDING

**30**

MASTER MARINERS

STAFF AVERAGE EXPERIENCE

**15 Years**

WORKING IN THE OFFSHORE INDUSTRY



# CASE STUDY



## THE CHALLENGE

A renowned Oil & Gas operator was facing a logistic challenge during a decommissioning campaign, where it required to transport a very large and complex well abandonment machinery from Central Europe to on board an offshore platform, involving multiple technical issues and potentially serious scheduling complications.

## OUR APPROACH

BV Solutions M&O's multidisciplinary team collaborated to:

Provide **Project Management Advisory**, assisting the flow of information, scheduling, and constantly monitoring of the critical paths.

Provide **Design Consultancy** with the machinery manufacturer, to incorporate all transportation and lifting considerations in the design of each sub-assembly.

Preparation of all **Lifting Procedures** before, during, and after the offshore campaign.

Designed and verified all **Rigging Arrangements**

**Seafastening Design and Verification**, including "flexible engineering principles" to allow for last-minute changes in vessel and equipment.

Review and approval of all **Marine Operations**

Carried out **Stakeholder Liaison** until all parties were satisfied of the successful closure of the project.

Attended the load outs and lifts as **Client Representative**, ensuring the operations were conducted safely and as designed.

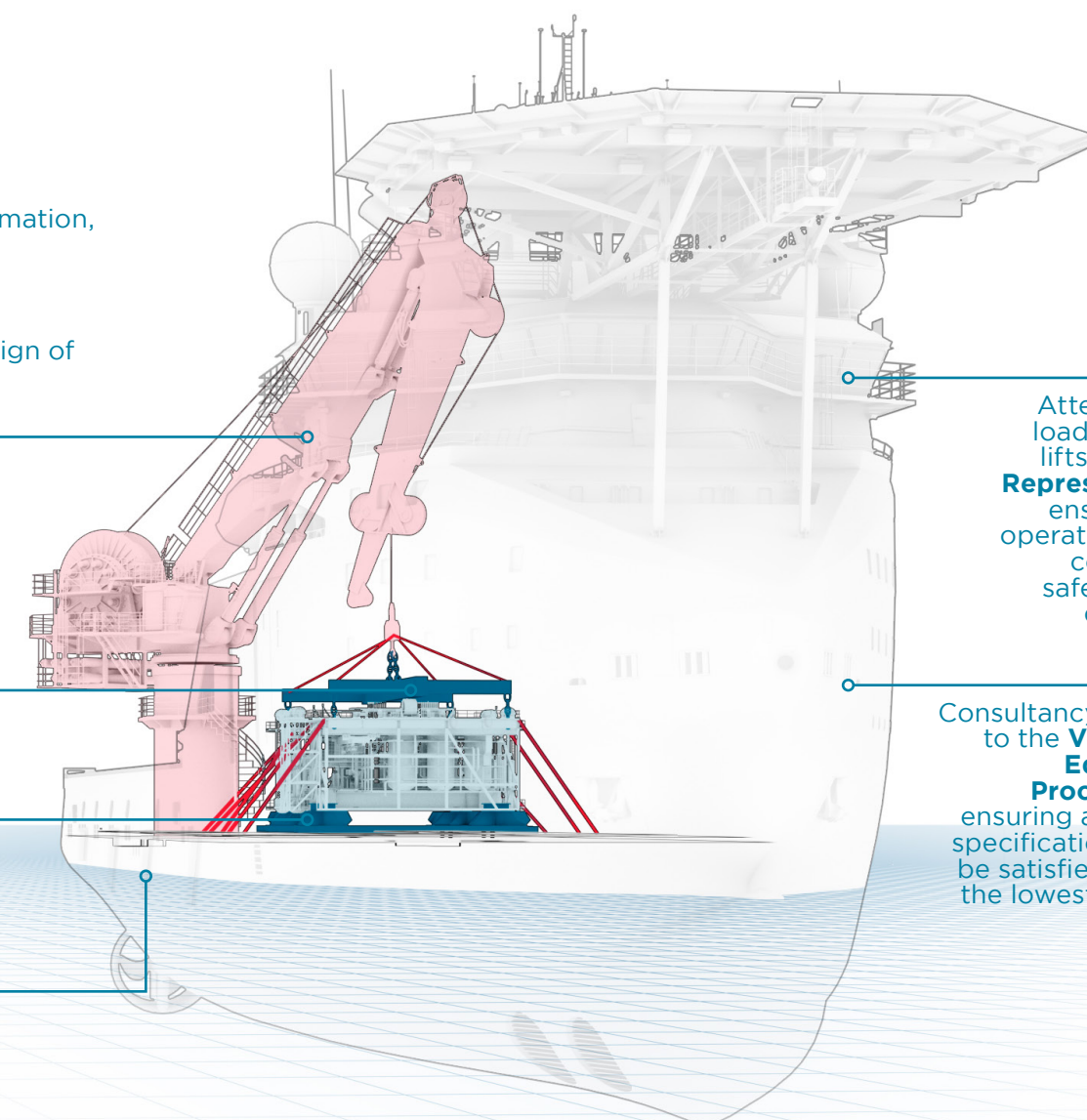
Consultancy support to the **Vessel and Equipment Procurement**, ensuring all project specifications could be satisfied within the lowest possible budget.

## THE OUTCOME

The bespoke well abandonment kit was manufactured incorporating all the necessary modifications and additions to ensure its seamless transportation, installation, and removal back to shore.

The equipment was safely transported to the offshore platform within the prescribed time frame, and the original budget.

There were no safety incidents at any point during the project, and all stakeholders were satisfied of its successful completion.







# 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.

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

BV Solutions M&O 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](http://www.bvsolutions-m-o.com)



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