



JACK-UP 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.

- Vessel Lay-Up
- Condition and Fitness for Purpose Surveys
- Wet and Dry Tow Analyses
- Tow Masters
- Site Specific Assessments
- Foundation Studies
- Location Approval
- Jacking Procedures
- Downtime Assessment
- Client Representation

UPGRADES AND MODIFICATIONS

We support your asset throughout its useful life, providing effective solutions to ensure it continues operating safely and efficiently, often beyond the original design life. When upgrades are required, our multidisciplinary team provides a holistic approach to the problem, minimising downtime, cost, and unforeseen complications.

- Jack-Up Vessel Basic Design
- Detailed Design of Key Components
- Structural Engineering
- Stability
- Leg Repairs and Extensions
- Power Plant
- Critical Safety Systems

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
- 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

TRACK RECORD

OF ALL JACK-UP DESIGNS
EVER LAUNCHED,
WE HAVE WORKED ON



Drilling Units



Wind Installation Units

WE WORK WITH
ALL TYPES OF JACK-UPS



Drilling



Harsh
Environment



Wind
Installation



Accommodation

WE ARE EXPERTS IN
ALL JACK-UP TECHNOLOGIES

Legs:



Tubular



Trussed

Jacking Systems:



Rack &
Pinion



Hydraulic

EXAMPLES
OF CHALLENGES WE CAN HELP WITH



Structural
Verification
for Crane
Upgrades

Leg Extension Study, with
Operational Envelope, Structural
Analysis and Design

Escape Route Review
and Approval

Helideck Compliance
with CAP437

Jack House
Fatigue
Assessment

Review of
Safety Critical
Elements

Site Specific Assessment

Leg Load Penetration
Analysis

Damaged Stability
Analysis

Review of Leg
Structural Strength
Accounting
for Corrosion

Development and
Approval
of Safety Case

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

➤ **WHOLE LIFE CYCLE SUPPORT**

BV Solutions M&O offers a comprehensive range of services, supported by a multidisciplinary team of experts. This makes us the ideal partners for all of your jack-up consultancy needs, from the drawing board, all the way to decommissioning.

DESIGN

Basic Design
3rd Party Review
Detailed Design Review and Validation

COMMISSION

Support with Safety and Compliance
Trial Schedule and Acceptance Criteria
Jacking Trials
Incline Tests
Client Representation
Marine Assurance and Consultancy Services

OPERATION

Weather Operational Windows
Ongoing Safety and Compliance Support
Equipment Upgrades
Corrosion and Fatigue Assessments
Life Extension Studies
Project Viability

COLD STACKING

Port Choice Support
Cold Stacking Procedures
Vessel Viability Assessments

CONSTRUCTION

Yard Attendance
Client Representation

MOBILISATION

Site Specific Assessments
Location Approval
Wet and Dry Tow Studies
Marine Operations
Planning and Coordination
Seafastening Design
Tow Masters
Barge Masters
Marine Assurance and Consultancy Services

DEMOBILISATION

Updated Stability Checks
Jacking Down and Leg Extraction
Transportation to Harbour

DECOMMISSIONING

Safe Dismantling Planning
Yard Attendance
Compliance Support

LAY-UP

Load Off
Mooring Procedures
Warm Stacking Procedures
Minimum Maintenance Schedule
Opportunity Upgrades and Maintenance



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



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