



GENERAL PRESENTATION

BV SOLUTIONS M&O

INTRODUCTION TO OUR SERVICES

OCTOBER 2020



**BUREAU
VERITAS**

SOLUTIONS
Marine & Offshore



1.

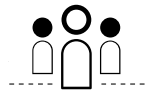
TECHNICAL
ADVISORY, ASSET
MANAGEMENT AND
ASSURANCE

FOR THE MARINE &
OFFSHORE ENERGY
MARKETS



**BUREAU
VERITAS**

SOLUTIONS
Marine & Offshore



1

Focal and dedicated
team to develop
our services portfolio



5

Service lines
to address
concrete needs



9

Local offices
all around the world



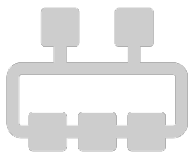
50M€

In 2019



DEDICATED SERVICES FOR THE MARINE & OFFSHORE ENERGY MARKETS

**MORE RELIABLE,
MORE EFFICIENT,
IN AN EVER MORE DIGITAL WORLD.**



➤ **Independent**



➤ **Agile**



➤ **Expert**

BV SOLUTIONS M&O PROVIDES NON-CLASS SERVICES

CLASSIFICATION AND STATUTORY SERVICES

3rd party

Class

Certification

Verification



BUREAU
VERITAS



ClassNK



MANDATORY
TO SAIL AND OPERATE

TECHNICAL ADVISORY, ASSET MANAGEMENT & ASSURANCE

Independent analysis/Verification

Engineering

Consulting

Assurance

CLASS KNOWLEDGE
METHOD VALIDATION



BUREAU
VERITAS

SOLUTIONS
Marine & Offshore

SUPPORT
TO DECISION MAKING



2.

OUR SERVICES



FOCUSED ON THE MARINE AND OFFSHORE ENERGY MARKETS



**MARINE
NAVY**



**RENEWABLES
OFFSHORE WIND**



» **FOR CAPEX
& OPEX
PROJECTS**



**OFFSHORE, FLOATING
JACKETS, TOPSIDES
LNG,FSRU,TERMINALS ..
SUBSEA**



**TECHNICAL STUDIES
FROM CONCEPT
TO DECOMMISSIONING**

**BV SOLUTIONS M&O PROVIDES
INDEPENDANT SUPPORT TO
DECISION MAKING**

**PROJECT
MANAGEMENT**

**PROJECT
ASSURANCE,
ASSET
MANAGEMENT,
SURVEY, AUDIT**





CUSTOMER'S NEEDS DRIVEN





3.

TEAM PRESENTATION



BV SOLUTIONS GLOBAL NETWORK

BVS ZONE MANAGERS PROVIDE **SALES & MARKETING, PRODUCTION, QUALITY AND CUSTOMER SERVICE & FEEDBACK**

GLOBAL SERVICE LINE MANAGERS PROVIDE YOU **GLOBAL VISION AND STRATEGY, PRODUCT KNOWLEDGE AND SUPPORT, QUALITY AND INNOVATION**

- **ENGINEERING & RISK**
- **ENVIRONMENT**
- **ASSURANCE**
- **ASSET MANAGEMENT**



TECHNICAL KNOWLEDGE CENTRES & PRODUCTION

- **TC FRANCE**
- **TC UK**
- **TC MALAYSIA**
- **And local TCs**



A GLOBAL ORGANISATION OUR LOCAL OFFICES



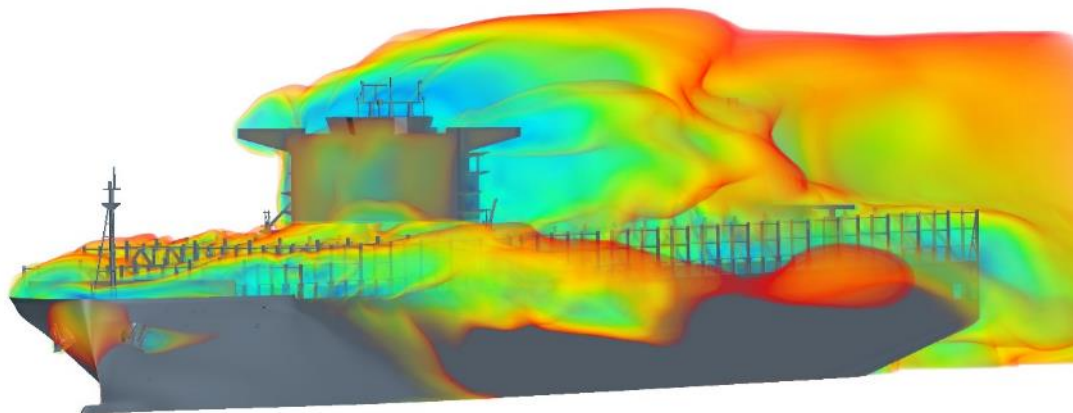
- **BVS CROATIA**
- **BVS DUBAI**
- **BVS FRANCE**
- **BVS GERMANY**
- **BVS GREECE**
- **BVS ITALY**
- **BVS SINGAPORE**
- **BVS SHANGHAI**
- **BVS UK**

The background of the slide is a blue-tinted photograph of an industrial port. On the left, a large offshore oil rig is visible. In the center and right, several large gantry cranes are positioned along a pier, with ships docked nearby. The sky is overcast with clouds.

4.

OUR SOLUTIONS

We provide engineering solutions **in design, retrofit and diagnostics** to maximize marine and offshore assets' **efficiency and profitability**.



In-depth engineering expertise to maximise the lifecycle, sustainability and profitability of marine and offshore assets.



Engineering Services for Ships & Floating and fixed platform, Subsea, Topsides



TECHNICAL
ASSISTANCE

HYDRODYNAMIC

STRUCTURAL
ANALYSIS

NOISE &
VIBRATION

SEAKEEPING

ON-BOARD
MEASUREMENTS

CONVERSION
LIFE
EXTENSION

RISK SOLUTIONS AND HSE

Using anticipatory design, qualitative and quantitative analysis, we provide a **confident approach to risk management.**

Asset availability is key to marine and offshore profitability.



ALTERNATIVE
DESIGN
STUDIES

QUALITATIVE
ANALYSIS

QUANTITATIVE
ANALYSIS

RELIABILITY

AVAILABILITY

MAINTENANCE

SAFETY CASE



ENVIRONMENT SOLUTIONS

We assist owners and operators **to compliance to environmental regulations and beyond, we develop innovative solutions.**

BV Solutions M&O keeps clients abreast of regulations, helping them remain compliant in terms of emissions, waste, disposal and more.



**SHIP
RECYCLING**

**INVENTORY OF
HAZARDEOUS
MATERIALS (IHM)**

**EMISSIONS
MONITORING**

**RADIATED
NOISE**

**ENERGY
TRANSITION
NEW
PROPULSION**

**ENERGY
EFFICIENCY**

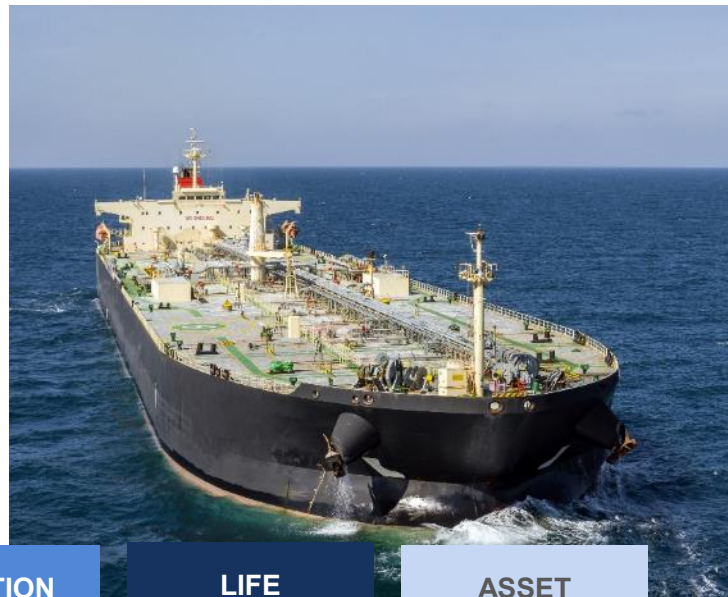


ASSURANCE SOLUTIONS – AUDIT – SURVEYS ON BOARD

We assist you to **optimize construction and repair**

From condition assessments to asset conversions,
we optimize asset life and promote profitability,
sustainability, and efficiency.

Operational limits
Operational booklet
DP analysis, FMEA
Marine surveyor



COMPLIANCE
SURVEYS &
AUDITS

PROJECT
MANAGEMENT

DP FMEA &
CONSULTANCY

CONDITION
ASSESSMENT

LIFE
EXTENSION

ASSET
CONVERSION



ASSET MANAGEMENT SOLUTIONS

Our engineers and experts **monitor and analyze assets**
to maximize operability and maintenance.



BV Solutions M&O support you to maximize the life-cycle of marine and offshore assets, reducing costs and promoting sustainability for the life of the asset.

**ASSET INTEGRITY
MANAGEMENT**

**DIGITAL
TWINTELLIGENCE**

**CYBER
SERVICES**


MAINTENANCE


**RISK BASED
APPROACH for
INSPECTION**





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FOR THE BUSINESS AHEAD

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VERITAS**

SOLUTIONS
Marine & Offshore