



BUREAU
VERITAS

SHAPING A WORLD OF TRUST

YOUR OFFSHORE ENERGY PARTNER



SHAPING TRUST IN ENERGY INDUSTRIES

HELPING ENERGY COMPANIES ACHIEVE OPERATIONAL EXCELLENCE

Global technical expertise and local knowledge to support safe delivery of challenging projects and efficient operations, while remaining cost-effective

A LEADING OFFSHORE TIC PROVIDER

With an integrated inspection and verification offer to keep assets safe, compliant and efficient throughout the lifecycle

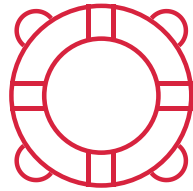
PARTNERING ON THE ENERGY TRANSITION

Supporting you to adapt your energy profile for renewable source usage and to work towards your Net Zero targets



OUR COMMITMENT TO OFFSHORE STAKEHOLDERS

STARTS WITH SUSTAINABILITY FROM SAFETY, ENVIRONMENTAL AND PERFORMANCE PERSPECTIVES



SAFETY

Reducing offshore risk to protect our clients' people, safeguard valuable assets, increase reliability and minimize incidents



ENVIRONMENT

Helping clients comply with regulations, protect the environments in which they operate and achieve their net zero and energy transition objectives



PERFORMANCE

Taking a risk-based approach through the asset lifecycle to avoid costly downtime and achieve optimum performance



Through our BV Green Line of services and solutions, we empower organizations to implement, measure and achieve their sustainability objectives.

And we don't just help our customers deliver in a sustainable manner. We hold ourselves internally to the same high standards.



Member of Euronext CAC 40 ESG

1st

BV ranking in 2020
Dow Jones
Sustainability Index

#1

Certification body
for social audits
(SMETA)

#1

Certification body
for health and safety
audits (ISO 45001)

AN INTEGRATED OFFER TO MEET THE CHALLENGES OF GLOBAL AND LOCAL ENERGY PLAYERS



*Provided by Bureau Veritas Commodities, Industry & Facilities teams



INDEPENDENT VERIFICATION AND VALIDATION

200+
ASSETS

**INDEPENDENT
VERIFICATION
BODY**

30+
YEARS'
EXPERIENCE

**ISO 17020
ACCREDITED
BODY**

100+
EXPERTS

**CERTIFIED
VERIFICATION
AGENT**



A LEADING CLASSIFICATION SOCIETY FOR FLOATING AND FIXED OFFSHORE ASSETS



PARTNER OF CHOICE FOR INNOVATIVE DESIGNS

Classification of new modular FPSO concepts and power barges

LEADER IN GAS

Dedicated rules and notations for FSRUs and FSUs

#1
IN FSRUs

200+
FLOATING UNITS

EXPERTISE IN CONVERSIONS

Experience in classing conversions of tankers to floating units

FPSO EXPERTISE

Rules and guidance notes to verify the safety and compliance of offshore structures



OUR INTEGRATED IVB AND CLASS OFFER

SECURE AND MAINTAIN A LICENSE TO OPERATE AND SAVE TIME AND COSTS
WITH OUR FULLY INTEGRATED CLASS AND VERIFICATION SOLUTION.

Our integrated offer is built on a risk-based approach that aims to ensure **integrity** is as **high** as reasonably practicable and **risk** is as **low** as reasonably practicable.

COMMISSIONING

Verification that safety and environmental critical systems have been designed, constructed and installed to protect people onboard

CAPEX

Providing plan approval of design, yard surveys, supplier inspections, certification of materials, marine assurance and MWS

OPEX

Support to control and reduce safety risks, comply with regulations and improve efficiency and environmental performance



CERTIFICATION OF EQUIPMENT

OUR EXPERTS PROVIDE CERTIFICATION SERVICES FOR ALL MATERIALS AND EQUIPMENT THAT FALL UNDER CLASSIFICATION RULES.

From **design review** through witnessing inspection to acceptance tests and **certification**

Providing **statutory certification** or compliance within a regulatory or voluntary **verification** framework

Remote assurance and inspections enables certification to be carried out anywhere in the world



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DESIGN REVIEW

DESIGN REVIEW ENGINEERS CONDUCT INDEPENDENT ASSESSMENTS OF DESIGN PLANS, SYSTEMS, AND PROCESSES, FOLLOWING INTERNATIONALLY DOCUMENTED STANDARDS

Conformity assessment services on marine equipment listed in international maritime directives

Help in obtaining **Type Approval Certificate**; verification of materials in **product design assessment**

Remote deployment enables certification anywhere in the world



SURF SERVICES

WE HELP OUR CLIENTS TO CARRY OUT THEIR SUBSEA PROJECTS IN REMOTE AND CHALLENGING LOCATIONS DRAWING ON LONGSTANDING VERIFICATION AND CERTIFICATION EXPERTISE

3rd party certification (TPIA): **verification** of EPCI for subsea pipelines, umbilical and service line, Subsea Completion System

Certification of umbilical, riser and flowlines, flexible pipe and power cables



DIGITALIZATING TIC SERVICES FOR OFFSHORE

REMOTE INSPECTION & VERIFICATION

REDUCE OFFSHORE VISITS BY 40%

Increased responsiveness and compliance

—
Lower costs

—
Flight reductions contribute to net zero targets



BV COMPLIANCE

CONSOLIDATED DIGITAL
DELIVERY MODEL

Facilitates asset management

—
Integrates with digital twin tools, IoT and CMMS

—
Consolidates planning, scheduling and reporting



BV COMPLIANCE: A DIGITAL PLATFORM FOR END-TO-END OFFSHORE COMPLIANCE

REAL-TIME TRACKING

PLANNING & SCHEDULING

**INTEGRATED WITH ASSET
MANAGEMENT TOOLS**

**INTEGRATED WITH
INTERNAL TOOLS**

**CONNECTION AND
ANALYSIS OF DATA**

SERVICE DELIVERY

RISK PROFILING



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OFFSHORE WIND SERVICES

WE BRING OUR SIGNIFICANT EXPERIENCE IN DEVELOPING AND APPLYING TECHNICAL, ENVIRONMENTAL AND SAFETY STANDARDS TO OUR CLIENTS IN THE OFFSHORE WIND SECTOR

Technical expertise from early-stage **planning***

Construction and industrialization **consultancy***

Classification services

Risk studies and regulatory **compliance***

Environmental **studies***

Certification services, project certification via accredited body

Marine warranty survey for asset transportation*

Approvals in Principle

*Technical advisory services are delivered by independent BV entities to avoid any potential conflict of interest with 3rd Party services, namely BV Solutions M&O, MatthewsDaniel and TMC Marine.

CONSULTANCY SERVICES

FROM OUR TECHNICAL CENTERS AROUND THE WORLD, WE COMBINE GLOBAL EXPERTISE WITH DEEP KNOWLEDGE OF LOCAL REGULATIONS

ADVISORY EXPERTISE



RISK



MAINTENANCE
ENGINEERING



ENGINEERING



ASSET
MANAGEMENT



ASSURANCE



REGULATORY

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CLIENT REFERENCES



PTTEP



PETRONAS



BUREAU VERITAS

VENDOR REFERENCES





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Shaping a World of Trust

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