OFFSHORE SERVICE VESSELS
MEETING THE CHALLENGES OF A FAST-MOVING INDUSTRY

Move Forward with Confidence
Offshore Service Vessels (OSV) are the workhorses of the offshore energy industry, vital to the global oil and gas supply chain. Safety, reliability and operational efficiency are paramount in this challenging offshore environment. OSVs have risen to the challenge, and are now among the most sophisticated and versatile vessels in the maritime industry, meeting the highest safety, environmental and comfort standards.

Bureau Veritas, as a longstanding partner to the offshore energy industry, is committed to supporting the OSV industry owners and operators in meeting their challenges. Around 1,350 OSVs are classed by Bureau Veritas, ranking us firmly in the top three class societies for offshore service vessels. In the mobile offshore support market over one in eight vessels worldwide operates to BV class.

An Active Role in Industry Developments

Industry developments are posing new challenges. As offshore energy exploration and production moves further offshore and into more hostile environments, demand is growing for larger and more versatile vessels that can offer economies of scale, lower emissions and improved fuel consumption. Increasing use of subsea production systems (SPS) drives demand for inspection, maintenance and repair (IMR) vessels with deep water capabilities.

Operational flexibility is driving the development of a new generation of multi-role OSVs. Modular designs reduce costs, while offering ship owners a multitude of customization options to meet specification requirements.

As the offshore industry moves forward, new frontiers are opening up. Deep sea mining of minerals and rare metals requires complex vessels. OSVs operating in Arctic waters are specially designed to operate in ice and cold climate. The marine renewable energy sector is pushing the development of specialized construction and support vessels. In all these areas protection of the often sensitive and pristine marine environment is a key priority.

Bureau Veritas is at the forefront of these developments and therefore uniquely placed to support ship owners, shipyards and designers to manage risk, ensure compliance and promote innovation. We invest heavily in research and development in order to develop fit-for-purpose class notations, rules, guidelines and design assessment tools. Our technical experts also play an active role in the development of international regulations at IACS and IMO level, ensuring we are bringing you the most up-to-date information.

At the Service of a Fast-Moving Industry

The offshore energy market is moving into deeper waters, harsher climates and increasingly remote areas. Bureau Veritas supports Offshore Service Vessel owners and operators in meeting the challenges posed by these developments, while ensuring safety at sea.
Our mission is to promote safety at sea and protect the environment. As such, we offer a range of classification, certification and technical services specific for offshore service vessels, from survey, field development and IMR to support vessels.

Our involvement throughout the offshore energy chain provides us with a unique perspective on the drivers of OSV industry demand. The majority of the world’s major oil and gas companies and infrastructure suppliers rely on our expert advice and services, from upstream to downstream. We provide classification and advisory services for the construction and management of fixed and mobile offshore production units to oil majors including Total, Shell and Petrobras. We also provide subsea certification services, which makes us a key partner of contractors and infrastructure suppliers such as Technip and Subsea 7.

The OSV industry covers a wide range of vessels, for use in different contexts and for different purposes. That’s why our approach is built on in-depth industry knowledge and classification expertise, combined with a drive to find solutions to meet specific client needs.

Every day, we put our technical expertise, knowledge of maritime regulations and advanced tools at the service of clients around the world. The goal: to support you in meeting industry and regulatory challenges, and in building and operating safe, high-performing, comfortable and efficient vessels.

### Why Choose Bureau Veritas?

- Protect your ship, crew and the environment
- A global Group, present in 140 countries
- One of the oldest classification societies (established 1828)
- Involvement throughout the offshore energy chain
- In-depth knowledge of rules and regulations
- Industry-leading research, knowledge and technical expertise
- The Bureau Veritas brand: a mark of confidence
- Extensive global network with strong local competencies

### Around 1,350 OSVs are classed with Bureau Veritas, representing around 13% of the world fleet and 18% of the IACS classed fleet
AT THE FOREFRONT OF DEVELOPMENTS IN OSV CLASSIFICATION

The support we provide goes beyond compliance. Bureau Veritas offers innovative solutions to manage your fleet’s efficiency.

Classification of offshore service vessels is about much more than complying with regulations. It provides ship owners and charterers with the confidence that their asset is seaworthy, and that their equipment and crew will travel safely.

Bureau Veritas, one of the leading classification societies for both OSVs and offshore production units, classes around 1,350 OSVs, with a further 240 under construction. Our rules have dedicated class notations covering all types of offshore field development and support vessels, and we provide detailed requirements and guidance covering specific issues, including dynamic positioning, offshore cranes, crew comfort, environmental protection, gas as fuel, ice class and shipboard winterization.

Our investment in research and development and our input into developing international regulations means that we lead rather than respond to innovations in the industry. We are by far the world leader in the classification of dredging vessels, for example, and have unique class notations, technical requirements and tools.

We respond quickly to industry demand for new rules to improve safety and performance. In 2014 we introduced a new class notation for anchor handling: it is the first in the world to include the latest IMO and industry developments for design and operation. Separately, we have introduced new rules for diving support vessels, as well as guidelines for design, construction and operation of tugs.

We also issue statutory certificates on behalf of flag administrations charged with applying international and national regulations relating to safety, environmental protection and accommodation standards.

SELECTED BUREAU VERITAS CLASSIFICATION NOTATIONS FOR OSVS

- **FIELD DEVELOPMENT**: offshore service ship [-pipelaying, lifting, accommodation, diving support], cable laying ship
- **OFFSHORE SUPPORT**: supply vessel [-oil product, oil product FP-60°C, LHNS, WS], anchor handling vessel, tug, salvage tug, fire-fighting ship [1, 2, 3, -waterspraying], oil recovery ship [-OILTREAT, SECOND LINE], -standby rescue vessel, fast crew supply vessel, crew boat

ADDITIONAL CLASS NOTATIONS:
- Special Purpose Ship: SPxxx
- Supply at sea: SAS (seismic support)
- Centralised navigation control: SYS-NEO-OSV
- Dynamic Positioning: DYNAPOS [AM/AT-R, RS]
- Lifting appliances: ALP, ALM, ALS
- Ice and cold climate: ICE CLASS, POLAR CLASS [1..7], ICEBREAKER [1..7], COLD
- Environmental management: CLEANSHIP, CLEANSHIP SUPER, GREEN PASSPORT
- Crew comfort: COMF-NOISE [1..3], COMF-VIB [1..3], ACCOMMODATION

VISIT THE BUREAU VERITAS CLIENT PORTAL
www.veristar.com
FOR A FULL LIST AND DETAIL OF CLASSIFICATION NOTATIONS AND STATUTORY CERTIFICATES.
VALUE-ADDED SERVICES

Improve performance, identify and manage risks, and optimize costs through our range of value-added services.

SAFETY AND PERFORMANCE AT DESIGN STAGE

Bureau Veritas provides independent review of all OSV types at design stage, assessing safety, environmental protection, viability and energy efficiency. Our web-based project management tool VeristarPM with client access ensures an efficient process.

INVOLVEMENT IN INTERNATIONAL REGULATIONS

We play an active part in IMO and IACS work on offshore vessels, bringing our expertise and practical experience of working with shipyards, owners and designers. A typical example is our involvement in the OSV Chemical Code and stability requirements for towing, anchor handling and offshore lifting.

TECHNICAL STUDIES TO OPTIMIZE PERFORMANCE

We carry out technical studies on behalf of ship owners, shipyards and designers, for example shaft alignment studies, noise and vibration studies, risk studies (HAZID/HAZOP, FMECA, RAMS) and mooring/DP studies.

TRAINING FOR PERSONNEL

Bureau Veritas is a leader in the provision of training services to the shipping industry, offering training in general marine safety and security, as well as specialist tailor-made training on, for example, operation of LNG-fuelled vessels and safety of towing and anchor handling operations.
BUREAU VERITAS
AND THE OSV INDUSTRY IN NUMBERS

Our classification of offshore service vessels ensures that a Bureau Veritas classed vessel is available at any stage of the offshore energy exploration and production process.

DEVELOPMENT

- Survey vessels (seismographic, hydrographic, oceanographic/research)
- Offshore Construction Vessels (crane vessel, pipe-laying, cable laying)
- Offshore Installation Vessels (transportation/heavy lift, lift boat, launch barge)
- Accommodation/work vessels
- Multi-Purpose Support Vessels (MPSV - maintenance support, ROV/Diving support, IMR, seismic support)
- Dredging vessels (hopper/cutter suction dredgers, stone discharge, subsea mining support)

370 CLASSED DEVELOPMENT VESSELS
40 UNDER CONSTRUCTION
#1 IN DREDGING VESSELS
MEETING THE ARCTIC CHALLENGE

The offshore industry’s move further into the Arctic, and other regions with ice and cold climate, has created demand for a new generation of winterised OSVs. Bureau Veritas offers specific notations and value-added services to match the specific operational profile of vessels operating in these harsh climates. Notations include ICE CLASS, POLAR CLASS, ICEBREAKER and COLD.
180 YEARS OF CONFIDENCE

Our clients value our independence, expertise, and longstanding experience of the shipping and offshore industries.

A global leader in testing, inspection and certification, Bureau Veritas serves clients’ needs in quality, health, safety, environmental protection and social responsibility.

For over 180 years, our clients have looked to us to provide technical support, verify compliance, or obtain certification. Our network of over 1,300 offices and laboratories ensures we meet their needs, wherever they are in the world.

Within the shipping industry, we are a leading classification society. Over 10,700 ships, representing 100 million gross tonnes, are classed to Bureau Veritas rules and we provide a wide range of advisory services to the Marine sector.

HISTORICAL PARTNER TO THE MARINE INDUSTRY

Bureau Veritas was founded in 1828 for the initial purpose of collecting, verifying and providing maritime insurance companies with precise and up-to-date information about the condition of ships and their equipment around the world.

IN VolVEMENT THROUGHOUT THE OFFSHORE ENERGY INDUSTRY

Our testing, inspection and certification services in go beyond shipping, giving us an unrivalled understanding of the energy sector. We are involved in all sectors of the energy industry, from oil and gas through to nuclear and renewables, and at all stages, from extraction and processing to distribution. We are one of the leading classification societies for offshore structures.

OVER 1,000 ACCREDITATIONS AND AUTHORISATIONS

Our wide range of accreditations and authorizations across a range of industry sectors prove that we operate professionally and that our reports and certifications are recognized and respected. We hold 150 delegations on behalf of national maritime authorities.

A KEY PLAYER IN MARITIME RESEARCH AND DEVELOPMENT

Alongside our own research, Bureau Veritas’ Marine business is involved in a number of international research programmes (e.g. EU funded research), and several joint industrial projects with the oil and gas related industries.

Move Forward with Confidence

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