



ABS



OFFSHORE SUPPORT VESSELS

Pioneering Excellence in OSV Classification

ABS has been at the forefront of the offshore industry's evolution, classing the first workboats in the Gulf of Mexico and now overseeing approximately one-third of the world's OSVs. With a legacy of innovation, ABS continues to set standards for vessel design, construction and operation, supporting the safety and efficiency of offshore operations worldwide.

COMPREHENSIVE OSV CLASS SERVICES

- **Construction and Production Support** – From pipe lay, cable lay to heavy lift, ABS-classed OSVs provide essential support for offshore construction and production projects.
- **Well Services and Subsea Support** – Our OSV classification covers a wide range of services, including well intervention, well stimulation, well test, diving and ROV support.
- **Emergency Response** – ABS-classed OSVs play a crucial role in safety and emergency response operations such as firefighting, oil spill recovery and safety standby rescue.
- **Traditional Support** – Supply, anchor handling and towing are integral components of our comprehensive OSV classification.
- **Alternative Energy Support** – ABS-classed vessels support wind turbine installation, maintenance and repair operations.
- **Transport** – Crew transport vessels ensure safe and efficient personnel transfer to and from offshore platforms.

ADVANCED CAPABILITIES FOR MODERN OPERATIONS

Modern OSVs are equipped with advanced technologies and capabilities to meet the demands of deepwater drilling and subsea operations.

- **Enhanced Cargo Capacity** – Increased cargo capacity to support diverse offshore operations.
- **State-of-the-Art Systems** – Panoramic navigation bridges, large accommodation spaces and enhanced crew amenities.
- **Cutting-Edge Equipment** – Heavy lift cranes, moon pools, diving and remotely operated vehicle (ROV) functionality.
- **Energy Storage Systems** – Hybrid battery and electrification.
- **Digitalization/Smart Functionality** – Provide crew and support personnel with key information to aid in decision-making by structural and machinery health monitoring, asset efficiency monitoring, operational performance management, and crew assistance and augmentation to support vessel operations.

EMBRACING EMERGING TECHNOLOGIES

- **Hybridization, Electrification and Alternative Fuels** – ABS delivers industry-leading support for electrification and hybridization as well as the transition to alternative fuels (hydrogen, methanol, ammonia, ethanol, etc.) by providing guidance to ensure safe and efficient integration into OSV technologies.



- **Data and Connectivity Shape the Smart OSV** – ABS delivers industry-leading support for OSV operations fully integrated with offshore fields, port infrastructure and supply chains with automated and smart technologies to drive operational efficiency, carbon reduction and cost savings.

SPECIALIZED NOTATIONS FOR ENHANCED SERVICES

ABS offers specialized notations to designate vessels' capabilities and environmental performance:

- **SUSTAIN Notations** – Assigned to marine and offshore assets that comply with the [ABS Guide for Sustainability Notations](#).
- **HYBRID Notations** – A vessel that is equipped to utilize one or more power sources as specified in [ABS Requirements for Hybrid and All-Electric Power Systems for Marine and Offshore Applications](#); energy storage systems (ESS) such as a lithium-ion battery, supercapacitor, fuel cell system, wind, solar photovoltaic (PV), and conventional generation (including a shaft generator).
- **DPS Notations** – Dynamic positioning systems for enhanced vessel maneuverability in accordance with [ABS Guide for Dynamic Positioning Systems](#).
- **ENVIRO Notations** – Environmental protection standards for sustainable operations in the [ABS Guide for The Environmental Protection Notations for Vessels](#).
- **HAB(WB) Notations** – Criteria for crew accommodations and ambient environments; specialized for OSVs in accordance with [ABS Guide for Crew Habitability on Workboats](#).
- **SMART Notations** – Smart Functions for health monitoring of structures or machinery of marine vessels or offshore units as specified in [ABS Guide for Smart Functions for Marine Vessels and Offshore Units](#).



YOUR PARTNER IN OSV CLASSIFICATION

ABS is your trusted partner in navigating the complexities of OSV classification. From initial design concepts to construction and beyond, our experienced professionals provide comprehensive support for the safety and compliance of your OSV fleet.

For additional information or assistance with an offshore support vessel, please contact GlobalOffshore@eagle.org.



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