

SKYE
ADVANCE



MA 8.5 V

MARINE AMBULANCE

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At [Skye Advance Africa](#), we are more than boat builders—we are drivers of progress, committed to delivering high-quality, custom-built workboats that serve Africa’s diverse maritime needs. From crew transfers and goods transportation to offshore services and fisheries, our vessels are designed for durability, efficiency, and long-term performance. Constructed using ISO-certified processes, DNV-class materials, and vacuum-infused composite technology, our boats meet the highest industry standards while ensuring operational excellence.

Guided by an “Africa First” ethos, we prioritize regional needs while fostering local talent through workforce development and skills training. Our approach integrates science and research to advance composite technology, offering tailored marine solutions to key markets including Angola, Malawi, Mozambique, and South Africa. Beyond manufacturing, we collaborate with local industries, government agencies, and private stakeholders to develop vessels that meet the evolving demands of Africa’s maritime sector. Whether facilitating safe and efficient offshore crew transportation, supporting sustainable fisheries, or optimizing inland and coastal logistics, every Skye Advance vessel is built with precision and purpose.

Welcome to [Skye Advance Africa](#)—where we don’t just build boats; we build solutions that shape the future of African maritime industries.

In a strategic collaboration, [Skye Advance Africa](#) is partnering with Armacraft Marine Defense, a leader in marine defense innovation.

Welcome to Armacraft Marine Defense, where we believe in the transformative power of "Physics well applied." Since our inception in 2004, we have been at the forefront of pioneering marine defense systems that push the boundaries of innovation and reliability. As a leading force in the industry, we take pride in our unwavering commitment to excellence, precision, and unmatched craftsmanship.

Armacraft Marine Defense is dedicated to developing a comprehensive range of cutting-edge marine defense solutions that ensure utmost security and protection in the most challenging environments. Our portfolio encompasses an array of formidable assets, including Combat boats, landing crafts, patrol boats, search and rescue boats, riverine patrol boats, high-speed interceptors, floating fences, diver delivery vessels, and unmanned surface vessels, among others.

Driven by a team of brilliant minds and engineers, we thrive on solving complex challenges with creativity and technical prowess, delivering unmatched products and solutions tailored to the unique needs of our clients. Our quest for perfection has earned us a reputation for setting new industry standards and consistently exceeding expectations.

As we move forward, our dedication to "Physics well applied" remains unwavering, and our resolve to provide unparalleled marine defense systems continues to guide our path. With every project we undertake, we aim to enhance the security of our clients' missions, enabling them to navigate the waters with confidence, efficiency, and absolute control.

Welcome to Armacraft Marine Defense – Where innovation meets strength, and protection knows no bounds. Join us on this journey as we redefine the future of marine defense.

MARINE AMBULANCE 8.5 METER

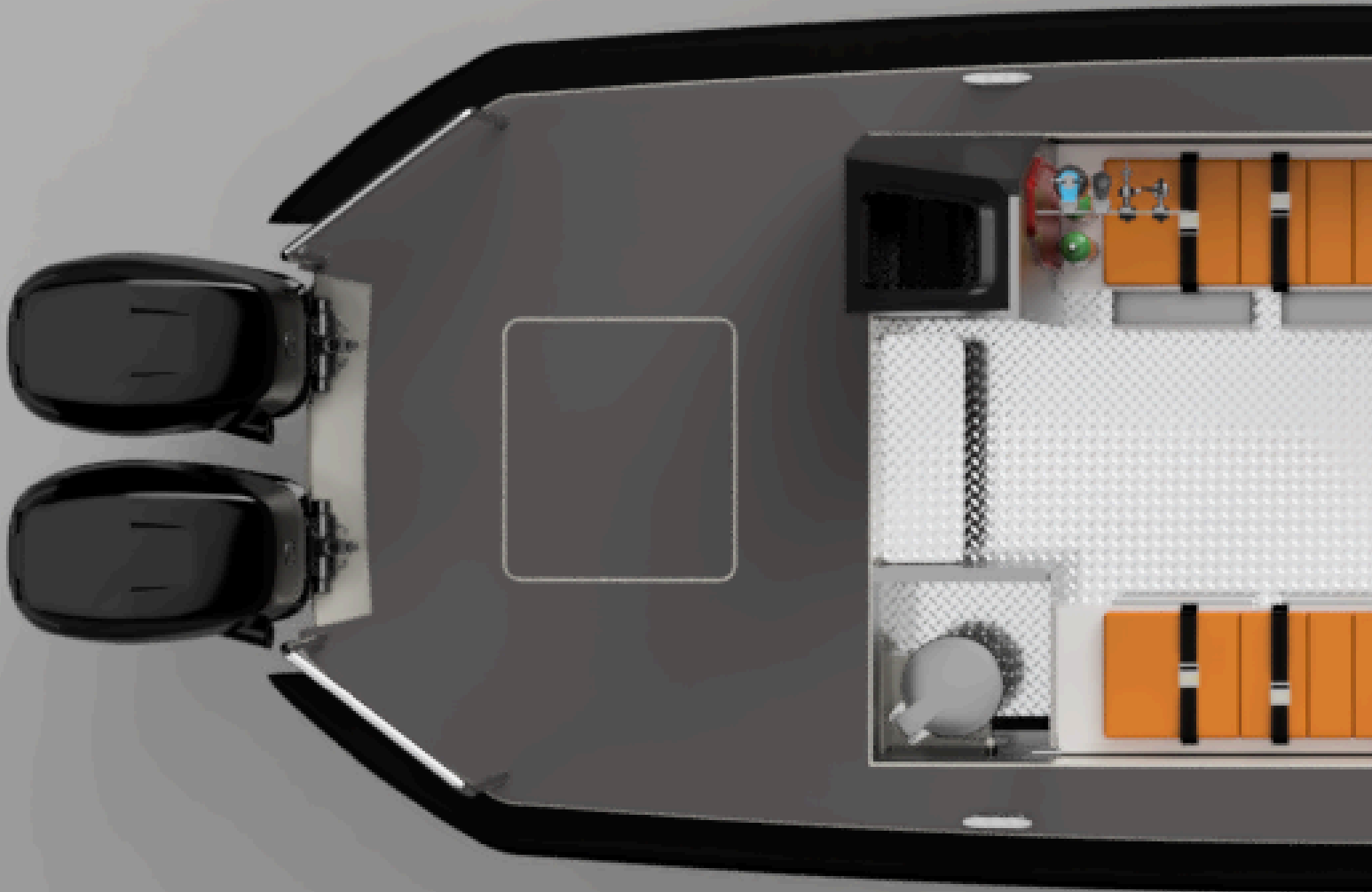
INTRODUCING THE MERCY 8.5 MARINE AMBULANCE

The *Skye Mercy 8.5 Marine Ambulance* represents a pinnacle in maritime emergency medical response, seamlessly blending cutting-edge technology with adaptability to address a diverse range of scenarios. With its Category B offshore vessel certification, the Mercy 8.5 is designed to operate in challenging offshore conditions, assuring reliability and safety even in rough seas. The vessel's impressive speed capabilities, clocking in at over 45 knots, allow for swift response times, crucial in emergency situations where time is of the essence.

The interior of the Mercy 8.5 is thoughtfully designed to facilitate optimal patient care. The presence of two stretchers ensures the capacity to handle multiple casualties, while a dedicated toilet compartment adds an extra layer of comfort and functionality during medical evacuations. The crew composition, consisting of two skilled individuals and two EMTs, underscores the vessel's commitment to providing comprehensive and expert medical assistance on board.

What truly sets the Mercy 8.5 apart is its remarkable adaptability. The propulsion system offers multiple configurations, accommodating both outboards and stern drives. The flexibility to choose between diesel or gasoline further enhances the vessel's versatility, catering to varying operational preferences and fuel availability. This adaptability extends to the vessel's capability to beach, allowing it to access shallow or remote areas with ease, where conventional marine ambulances may face limitations. In essence, the Mercy 8.5 is not merely a vessel; it's a specialized and highly adaptable tool designed to navigate the complexities of emergency medical response at sea. Whether responding to offshore incidents or reaching inaccessible coastal regions, the Mercy 8.5 stands as a beacon of innovation, reliability, and efficiency in maritime medical emergencies.



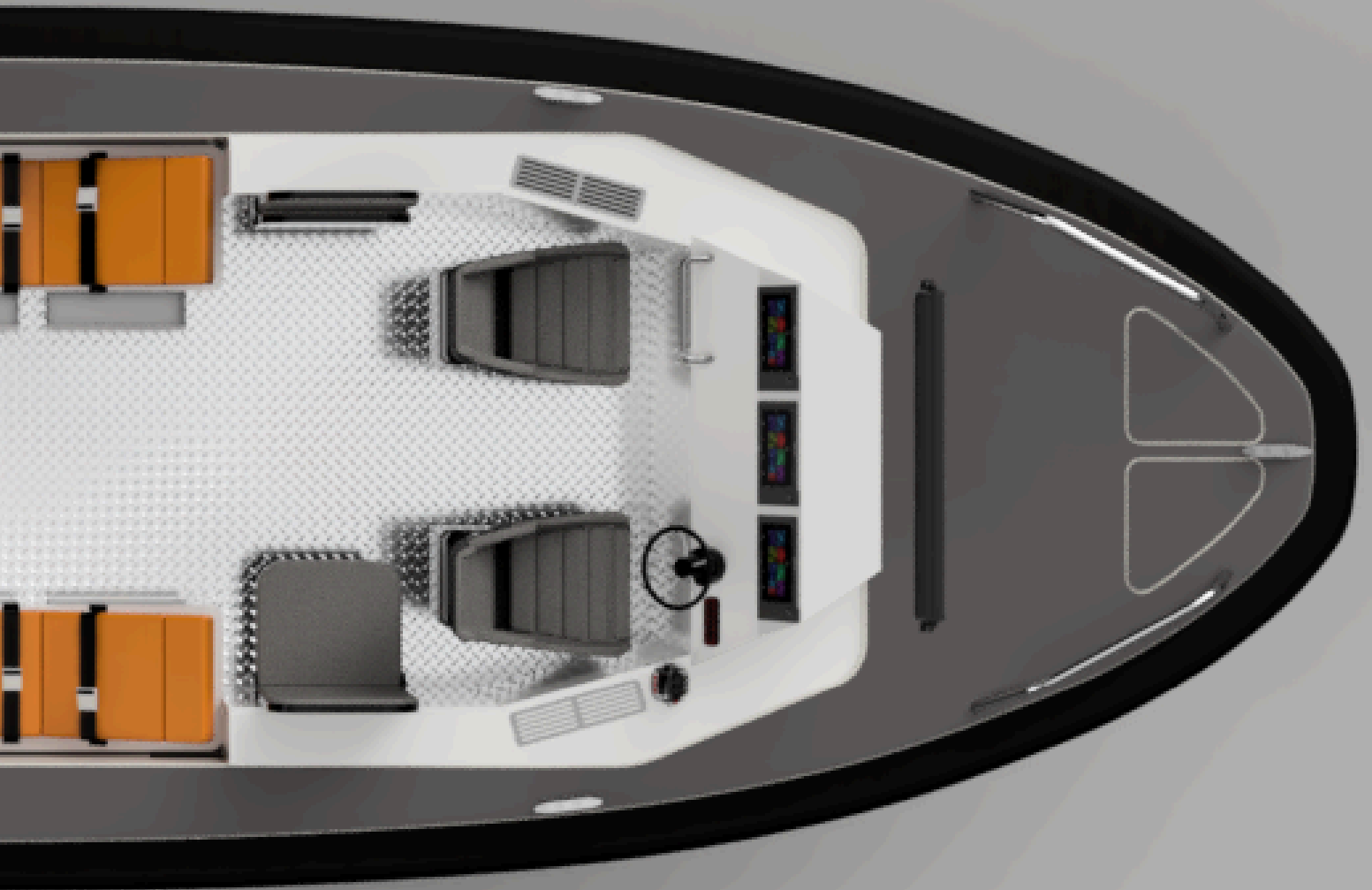


Main Cabin

The cabin of the Mercy 6 is a meticulously designed space that prioritizes functionality, comfort, and efficiency to facilitate optimal medical care in various environments. Here are the key features and aspects of the cabin:

Layout and Configuration: The cabin is intelligently configured to maximize space utilization while ensuring easy access to essential equipment. It is organized to accommodate two stretchers and two paramedics comfortably, allowing for efficient patient care.

Communication and Connectivity: Advanced communication systems are integrated into the cabin, enabling seamless coordination with external medical facilities, emergency services, and relevant authorities. This ensures a high level of connectivity during missions.



Medical Equipment and Supplies: The cabin is equipped with secure storage compartments and mounts to house a range of medical equipment and supplies. This includes vital monitoring devices, life-saving medications, and specialized tools needed for various medical emergencies.

Lighting and Visibility: The cabin is designed with ample lighting to ensure optimal visibility for medical procedures, even in low-light conditions. This includes overhead lighting fixtures and strategically placed task lighting for focused examination and treatment.

Ventilation and Climate Control: The cabin is equipped with a reliable ventilation system to ensure a consistent flow of fresh air. This is essential for maintaining a comfortable and healthy environment for both patients and paramedics. Additionally, climate control features ensure a suitable temperature regardless of external conditions.

THE HULL ARCHITECTURE AND DESIGN

The Mercy 8.5 Marine Ambulance is equipped with the Hunt Deep V hull, a hallmark of marine engineering excellence. The Hunt Deep V design is renowned for its exceptional seakeeping abilities, ensuring a smooth and stable ride even in challenging waters. Crafted by the legendary naval architect C. Raymond Hunt Associates, the deep V-shaped hull of the Mercy 8.5 enhances its performance and handling, making it particularly well-suited for high-speed operations and emergency responses.

This hull design incorporates a sharp entry angle at the bow, gradually transitioning to a deeper V-shape towards the stern. This configuration efficiently cuts through waves, minimizing impact forces and reducing the likelihood of spray, resulting in a more comfortable and safer ride for both crew and patients. The deep V hull of the Mercy 8.5 contributes to superior stability during maneuvers and emergency operations, ensuring precise control even in adverse sea conditions.

The synergy between the Hunt Deep V hull and the Mercy 8.5's overall design underscores its commitment to providing a secure and reliable platform for maritime medical interventions. This combination of advanced hull technology and purposeful vessel design positions the Mercy 8.5 as a dependable and capable marine ambulance, ready to navigate and respond effectively in any emergency at sea.



PROPULSION SYSTEM



In recent years, modern gasoline outboards have emerged as the preferred choice for commercial applications. Their enhanced refinement, reliability, value, and superior design allow them to largely stay above water. Additionally, their trim feature enables operation in shallow waters, providing an added advantage.



Diesel stern drive propulsion combines the advantages of a stern drive, with increased fuel efficiency, durability, and reliability. This makes them highly suitable for modern vessels across military, commercial, and leisure sectors. This powertrain guarantees optimal performance and operational efficiency, solidifying its position as a compelling choice for contemporary watercraft.



GENERAL PARTICULARS

For the 2024 model year

LENGTH OVERALL	8.47 M	FUEL CAPACITY	450 L
LENGTH OF HULL	6 M	WATER CAPACITY	80 L
BEAM	2.8 M	POWER	300-500 HP
DRAFT	0.7 M	MAX SPEED (LIGHTSHIP)	45+ KT's
DRY WEIGHT	2,850 KG	MAX ECONOMIC RANGE	180 NM
ENGINES	Outboard/stern drive	CREW	2
Fuel	Gasoline/Diesel	EMTs	2
CLASSIFICATION	<p>Category B certification for boats signifies compliance with the Recreational Craft Directive's standards for offshore use. Boats in this category are designed to handle moderate conditions, including wind forces up to Beaufort Force 8 and significant wave heights up to 4 meters. This classification ensures that the boat is structurally sound and sufficiently stable for offshore voyages in challenging environments, providing a standardized measure for assessing a boat's suitability for specific types of use.</p>		



MARINE AMBULANCE 8.5 METER



RAY HUNT DESIGN

Hull Design

The Mercy 6 functions efficiently on water, including coastal areas, rivers, and mangroves, without requiring any specific infrastructure. Its front ramp and outstanding shallow draft grant it access to even the most remote beaches.



Certification

The Mercy 8.5 meets the stringent criteria set forth by The CE requirements for a category B off shore vessel.

EQUIPMENT LIST

Automtic bilge pumps X 2	S	Vacuum flush toilet	O
Manual bilge pump	S	First Aid Bag X 2	O
LED navigation lights	S	Blood Pressure Cuffs	O
Blue courtesy lights	S	Medical Gases	O
Swim ladder	S	Medical Suction Unit	O
Digital Switching	S	Patient monitor X 2	O
NAV System with GPS &	S	Defibrillator unit	O
Sounder	S	Intubation Kits	O
Bow Ramp	S	Patient monitor X 2	O
Digital switching system	S	Defibrillator unit	O
Chartploter/fishfinder 7"	S	Marine Air Conditioning	O
Electric Windlass	O	Freshwater system (5 points)	O
Generator 5 KW	O	Air Horn	O
25 Watt Megaphone	O	Emergency Strobe Lights	O
Searchlight	O	Battery charger	O
Basket stretcher X 2	O		



WHY MERCY 8.5 V

Having a marine ambulance is crucial for countries with long coastlines or numerous islands due to several significant reasons:

- 1. Rapid Response in Emergencies:** Marine ambulances significantly reduce response times in emergencies that occur in coastal or island areas. They can swiftly reach locations inaccessible by land, ensuring timely medical attention to those in need.
- 2. Access to Remote Areas:** Coastal and island regions often have remote or hard-to-reach locations. A marine ambulance can navigate through waterways and reach places that may be inaccessible by traditional land-based ambulances. This is especially critical for emergencies in secluded or isolated areas.
- 3. Natural Disasters and Emergencies:** Countries with long coastlines or many islands are often prone to natural disasters like tsunamis, hurricanes, or floods. A marine ambulance can play a vital role in evacuation efforts and providing immediate medical assistance during such crises.
- 4. Supporting Fishing and Maritime Industries:** In countries heavily dependent on fishing or maritime industries, having a marine ambulance is critical for ensuring the health and safety of workers. It provides prompt medical attention in case of accidents or emergencies at sea.
- 5. Tourism and Recreational Activities:** Coastal areas and islands are often popular tourist destinations. A marine ambulance ensures the safety and well-being of visitors engaged in water-based activities, such as swimming, diving, or boating.
- 6. Preventive Healthcare Measures:** A marine ambulance can also be used for preventive healthcare initiatives, such as conducting medical check-ups or vaccinations in remote coastal or island communities.

In summary, a marine ambulance is an indispensable asset for countries with long coastlines or many islands. It enhances emergency medical response capabilities, safeguards the well-being of coastal and island populations, and contributes to the overall resilience of a nation's healthcare infrastructure.



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