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The **Metal Shark 64 Defiant** is a welded aluminum monohull pilothouse specially designed for law enforcement, port security, fire rescue, and pilot boat missions. The vessel shown above has been configured for pilot boat use. Like all Metal Sharks, the 64 Defiant may be customized to meet virtually any mission requirement. Regardless of configuration and equipment, the 64 Defiant serves as an extremely stable, dependable, and highly capable platform that is well suited for both coastal and offshore missions.



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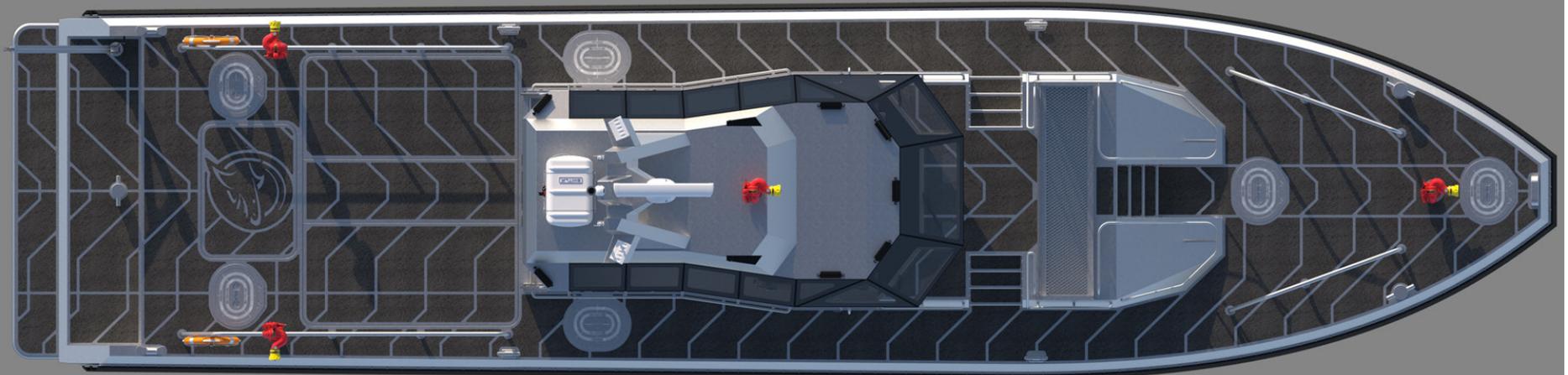
Hull Design: The 64 Defiant features a proven Metal Shark hull design that has been engineered and built to precise tolerances. To achieve its superior hull life rating of 30+ years, the vessel's hull, deck, and pilothouse structure are composed entirely of heavy, welded plates of premium-grade 5086 aluminum alloy. The hull has been specifically balanced and will steer a straight course and turn predictably and safely without hooking a chine or unnatural turning behaviors. The 64 Defiant may be equipped with straight-shaft inboards, water jets, or pod propulsion systems.



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Pilot Version Shown: Pilots will exit the cabin through the center-line aft door and will walk around the cabin, all flush deck, to the foredeck, always with easy access to handrails. Oversized port and starboard side walkways provide easy access forward and aft. An optional bow boarding platform enables safe and easy transit from the vessel to other boats at sea.



Deck Layout: At the heart of the 64 Defiant's crew-friendly design is a spacious deck arrangement offering wide-open work spaces and allowing for easy, surefooted passage from bow to stern. The vessel layout may be custom configured to meet specific mission requirements, but regardless of configuration careful consideration is given to the placement of grab rails and footholds. All belowdecks machinery spaces are easily accessed via large water-tight deck hatches, and walkways feature low-level LED lighting for nighttime operation. Heavy duty rubrails provide protection during alongside maneuvers, and urethane sheathed foam collar fendering systems are available.



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Pilothouse: The most immediately apparent advancement in Metal Shark's Defiant pilothouse design is the use of pillarless glass to substantially enhance visibility. The result is a near elimination of the dangerous blind spots which are an unfortunate drawback of conventional pilothouse vessels. Large spotter windows allow the crew to see overhead aircraft. Further, the 64 Defiant's quickly opening side and aft pilothouse windows offer added flexibility and greatly facilitate communication when docking or maneuvering alongside another vessel. The cabin space is fully configurable for any mission profile, with multiple options for crew seating, dining and lounge areas. Other options include shock mitigating captain's chairs, settee and dinette, galley and chart tables/desk areas.



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Helm: The 64 Defiant features a massive dash area that easily accommodates all controls, instruments, and navigation equipment, allowing for easy operation of the vessel and all onboard systems. The elevated helm affords an outstanding view; facilitating navigation and maneuvering in multi-vessel and/or fire fighting operations.



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Crew Accommodations: Below-decks, crew quarters may be custom-configured to suit virtually any mission profile. Shown here is a basic Defiant-class cabin featuring galley with freshwater sink, cooktop, and microwave, forward wraparound dinette that converts to v-berth, and enclosed head with sink, hot water shower, and marine toilet.



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Custom Capability: The 64 Defiant may be custom configured to suit a wide range of mission profiles. Shown here in pilot layout, the vessel features 360-degree flush decks, forward boarding platform, pilot-specific windshield with large overhead windows, and man-overboard recovery area with Jason's cradle. In addition to the pilot version shown here, Metal Shark routinely produces Defiant-class vessels for fire rescue, military and LE patrol, command and control, and port security missions. Vessel layout and equipment may be fully customized to suit specific requirements.



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55 Defiant equipped with full array of firefighting equipment and CBRNE (Chemical, Biological, Radiological, Nuclear, and high-yield Explosive) crew protection system.

Fire Rescue: The 55 Defiant shown above employs the same proven hull design as the 64 Defiant and serves as an example of a vessel equipped for fire rescue and port security. To meet the customer's fire fighting requirements, Metal Shark employed twin Darley fire pumps driven by PTO from the main engines. Water is pumped to an oversized main where it is distributed via electronic valves to three RF-controlled monitors. In this configuration, the 55 Defiant delivers water flow of up to 10,000 gallons per minute. Two 5" hydrant outlet locations, an additional 2.5" hydrant outlet, and a 300-gallon foam reservoir provide maximum flexibility across the widest possible range of firefighting scenarios.



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45' Defiant configured for military patrol.



Patrol Configuration: The parent craft Defiant-class vessels have been proven through extensive service with the U.S. Coast Guard, U.S. Navy, state and local law enforcement agencies, and foreign militaries across Africa, Asia, the Caribbean, the Middle East, and Latin America. The 45 Defiant shown above is configured for military patrol and shares the 64 Defiant's globally proven hull design.



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METALSHARKBOATS.COM

PHONE: 337.364.0777

FAX: 337.364.0337

EMAIL: sales@metalsharkboats.com

WEB: www.metalsharkboats.com