



AUXILIARY FLOATING DRY DOCK MEDIUM (AFDM)

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INNOVATIVE ON LAND.
EXCEPTIONAL AT SEA.

The **AUXILIARY FLOATING DRY DOCK MEDIUM (AFDM)** provides docking capability for the construction, maintenance and repair of ships and boats. As a "Rennie"-type floating dry dock, the vessel has continuous wing walls and several sectional pontoons to provide the stability and displacement required to lift and submerge vessels from the water using buoyancy. The design incorporates features to improve operability and maintainability based on Austal USA's experience and lessons learned from owning, operating and maintaining a similar dry dock at its Mobile, Alabama, ship repair facility.

AFDM will have the capability to drydock Independence and Freedom-variant Littoral Combat Ships, Arleigh Burke Guided Missile Destroyers, Ticonderoga Guided Missile Cruisers, and Whidbey Island and Harpers Ferry Dock Landing Ships.

FEATURES AND CAPABILITIES

- Continuous wing walls and sectional pontoons to provide stability and displacement
- Capability to drydock a wide range of U.S. Navy vessels
- Improved operability and maintainability
- Capability to operate in benign threat environments
- Capability to relocate to meet future fleet maintenance requirements

SPECIFICATIONS

Length Overall: 694 feet

Pontoon Beam Overall: 157 feet

Clear Width Between Fenders: 122 feet

Height BL to Wing Deck: 65 feet

Pontoon Depth at CL: 14.75 feet

Pontoon Depth at Wing: 14.25 feet

Deck Working Area: 90,800 square feet

Maximum Draft: 54 feet

Maximum Water Over Deck: 39.25 feet

Draft at Full Lift Capacity: 12.75 feet

Design Rated Lift Capacity: 18,000 long ton

Linear Load Minimum Capacity: 45 feet