

Specifications

Tactical Length Launcher

Length	284 inches
Width	152 inches
Height	121 inches
Weight	18,100 pounds

Strike Length Launcher

Length	318 inches
Width	152 inches
Height	133 inches
Weight	20,250 pounds

Power Required by Single Module Variant

115 Vac 60 Hz 1 phase (Lightning)	2 kW
115 Vac 60 Hz 1 phase (Backup power for 440 Vac)	4 kW
115 Vac 60 Hz 1 phase (Launch control unit)	5 kW
440 Vac 400 Hz 3 phase	40 kW

Ship Services Required

Cooling	10,000 Btu/hour
Heating	10,000 Btu/hour
Recirculation	560 ft ³ /min

Launch Control System Weight

VLS Mk 41 based electronics	4,300 pounds
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Capable of launching multiple missile types from multiple platforms for multiple mission scenarios.

Adaptable Deck Launching System

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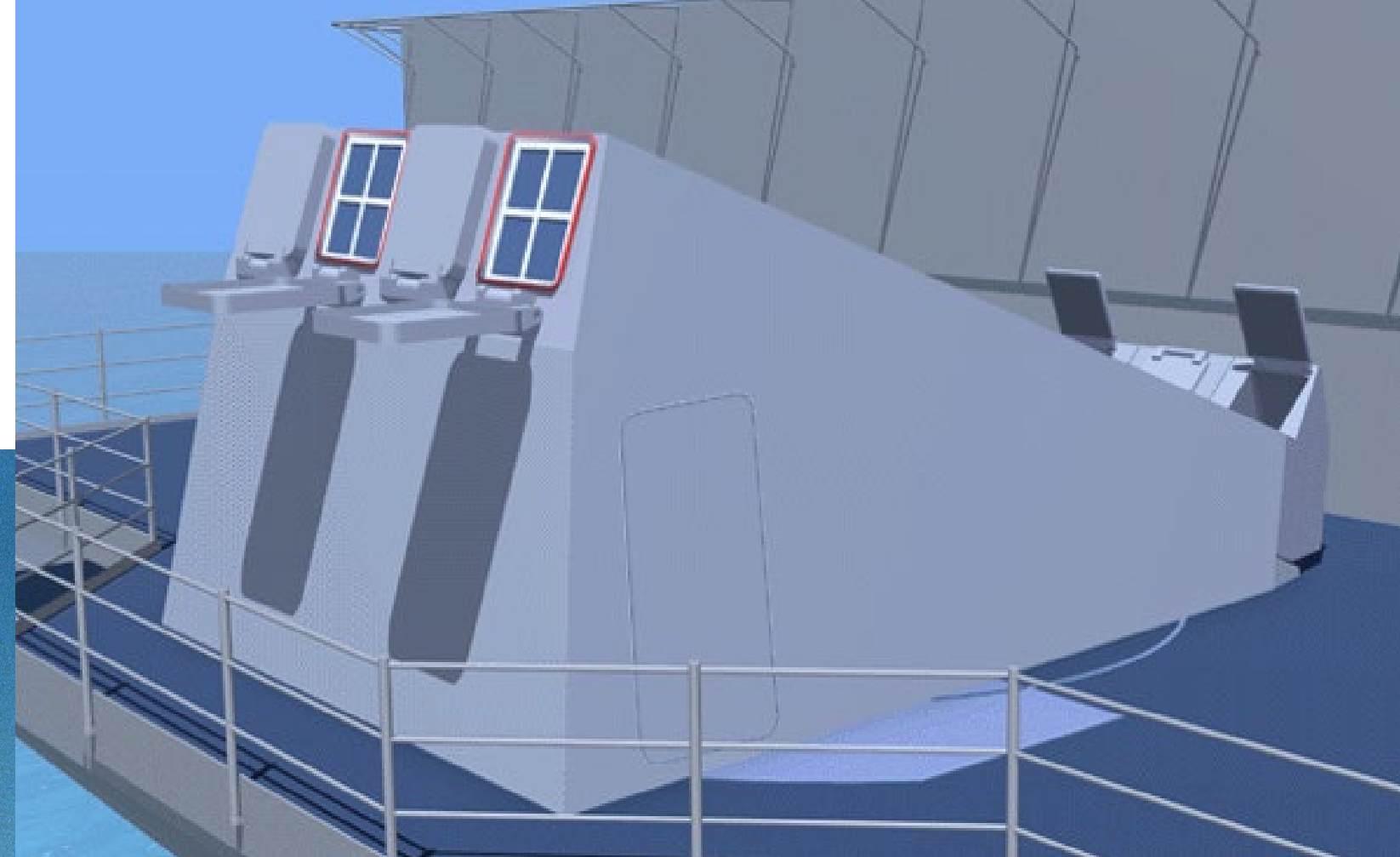
The Adaptable Deck Launching System, or ADL, meets the need for a fixed angle, deck-mounted launching system for near-term application onboard U.S. Navy and Allied ships.

Adaptable Deck Launching System

The ADL is available in two lengths, tactical length and strike length and is fully compatible with missile canisters developed for the Mk 41 Vertical Launching System (VLS). Launch control can be provided by the Mk 41 VLS electronics suite or other launch control systems.

With a straightforward approach to deploying air and ballistic missile defense, surface strike, anti-ship, and anti-submarine capability to non-Mk 41 VLS ships, ADL benefits from a modular design, allowing any number of launch cells to be configured as deck-mounted

launchers for varying ship applications. It can be deployed with a protective enclosure to minimize radar signature and maintenance, and to provide protection for the encanistered missiles. Reloadable, ADL will support numerous launches during its service life.



Missiles Compatible with ADL

MK41 VLS Missiles		Number of Missiles per Canister	Weight (pounds) Tactical Length		Weight (pounds) Strike Length	
Missile	Canister		Empty	Loaded	Empty	Loaded
SM-2 BLK II/III/IIIA/IIIB	MK 13	1	1500	3070	2120	3690
TOMAHAWK BLK III/IV ¹	MK 14	1	-	-	2150	6140
VLA MK 45/MK 54 TORPEDO	MK15	1	1760	3260	2380	3880
SM-2 BLK IV ¹	MK 21 MOD 0	1	-	-	2950	6180
SM-3 BLK I/IA/IB	MK 21 MOD 2	1	-	-	2980	6340
SM-6 BLK I/IA	MK 21 MOD 4	1	-	-	2980	6300
ESSM BLK I/II	MK 25	4	3160	5820	3780	6440
SM-3 BLK IIA ¹	MK 29	1	-	-	1700	6350
HARPOON ²	N/A	1	1800	3320	2420	3940
LRASM ^{1,2}	N/A	1	-	-	2880	6230
NAVAL STRIKE MISSILE ²	N/A	1	1700	2600	2320	3220

¹ Does not fit in tactical length launcher

² Not currently integrated into MK41 VLS

The ADL answers the call for Distributed Lethality and Distributed Maritime Operations for platforms big and small.