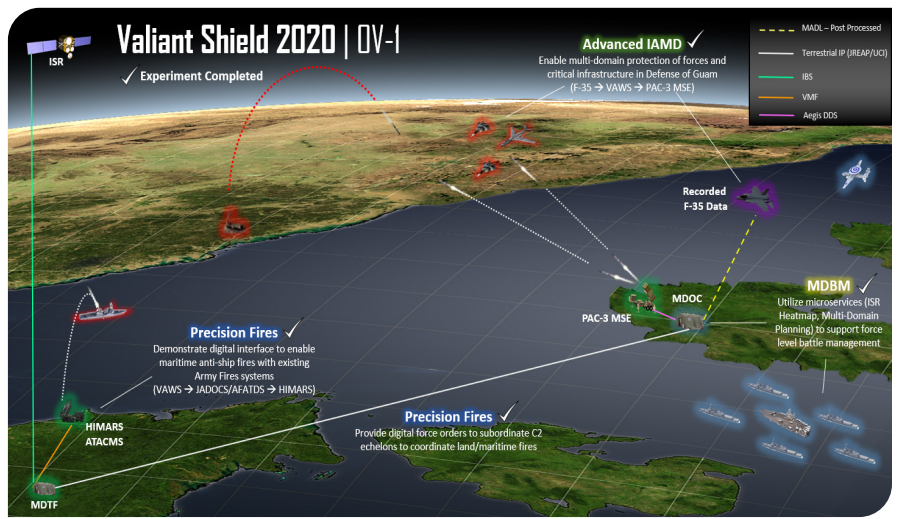


Virtualized Aegis Weapon System (VAWS)

EvolvED Aegis to provide the Joint Force a fully integrated, portable Aegis Weapon System Today.



VAWS

- Leveraging 50 years of CSL mission software pedigree to build systems with full or scaled Aegis capability in form factors as small as a single box
- Leverage Aegis pedigree and trusted FCL to realize kill webs
- Provide the netted fires capability across the land, surface, air and space domains
- The platform accommodates multiple operating environments for hosting 3rd party software

Aegis Facts

- Proven multi-mission capability; SUW, IAMD, ASW, AAW, Strike
- Over 35 years of in-fleet service with consistent periodic modernization
- 122 commissioned Aegis-based ships, with 26 under construction and 61 planned
- Aegis Fire Control Pedigree includes 4000+ missile firings, 40+ BMD Intercepts including one satellite shutdown in 2008
- 41 successful BMD Live Fire Intercepts
- Greater than 99% availability over the life of the system
- Demonstrated multi-domain offensive and defensive fires capability

Virtual Aegis Weapon System

- The Aegis open architecture, common source library and virtualization are critical enablers to Navy combat systems of the future
- Lockheed Martin partnered with the US Navy are using virtualization to provide Aegis capabilities beyond the ship to scalable/mobile assets and across all domains
- Virtualization supports deployment of foundational Aegis capabilities to support new deployment opportunities beyond maritime infrastructures



Open, Scalable and Interoperable

- Provides netted fires capability across all domains
- Accommodates multiple operating environments for diverse software ecosystem
- Positioned to embrace JADC2 and a common data fabric



DMO and JADO Enabler

- Interoperable supporting multiple Joint Comms paths (e.g. DDS, Link, UCI, VMF)
- Scale proven Kill Chains to an enterprise kill web

Acronyms:

CSL - Common Source Library	ASW - Anti-Submarine Warfare	DMO - Distributed Maritime Operations	VMF - Variable Message Format
FCL - Fire Control Loop	AAW - Anti-Air Warfare	JADO - Joint All Domain Operations	JADC2 - Joint All Domain Command & Control
SUW - Surface Warfare	Strike - Strike Warfare	DDS - Data Distribution Standard	
IAMD - Integrated Air and Missile Defense	BMD - Ballistic Missile Defense	UCI - Universal Command & Control Interface	



Aegis has been trusted for 50 years and Lockheed Martin has a trusted history of producing, integrating, and delivering radars and combat systems. Lockheed Martin and the Aegis Combat System continue to keep pace with evolving integrated air and missile threats, introducing new capabilities to create the latest generation of advanced solid state technologies, integrated with the Aegis system, to provide world-class defense and ensure future safety and security.

<https://www.lockheedmartin.com/en-us/products/aegis-combat-system.html>

<https://www.lockheedmartin.com/en-us/news/features/2020/3-keys-to-enabling-multi-domain-operations-for-a-secure-future.html>

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MOR202104014

