



Hanwha
Defense USA

KOREAN VERTICAL LAUNCHING SYSTEM

**OPERATIONALLY PROVEN, MULTI- MISSION
NAVAL CANISTER SOLUTION**

ROKN Daegu-Class Destroyer
DAEJEON equipped with KVLS-I
during RIMPAC 2026 (U.S.
Department of War image)

Hanwha's Korean Vertical Launching System (KVLS) portfolio builds on decades of Republic of Korea Navy at-sea experience and production maturity across destroyers, frigates, landing ships, and export programs. Designed for reliability, adaptability, and long-term value, KVLS-I and KVLS-II provide complementary configurations to support differing missile sizes and mission requirements.

KEY CAPABILITIES



01 MULTI-MISSION FLEXIBILITY

Supports surface-to-air, surface-to-surface, and anti-ship missile applications across the KVLS portfolio.



03 DEPLOYMENT FLEXIBILITY:

Optional independent power supports launcher operations ashore at remote bases, islands, and austere locations.



02 OPERATIONAL RESILIENCE:

Designed to withstand the high temperatures and extreme pressures generated by modern missile launches, with redundant architecture intended to maintain operational availability.



04 PROVEN FLEET INTEGRATION:

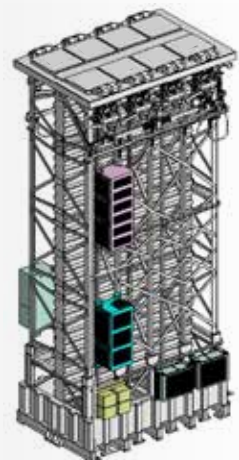
KVLS products have been engineered, built, qualified, and integrated across the ROK Navy fleet, and can operate in the same mission environments as the U.S. Navy's Mk 41 VLS.

KVLS-I

Drawing on the heritage of the Mk-41 VLS, KVLS-I is designed for a broad range of missile applications.

TECHNICAL SPECIFICATIONS

- **Dimensions:** Approx. 120"L × 80"W × 275"H
- **Cell Dimensions:** Approx. 25"L × 25"W × 240"H
- **Module Weight:** 15.8 tons
- **Capacity:** 8 rounds per module
- **Missile Compatibility:** ASROC, surface-to-surface, surface-to-air, and missiles for other missions.





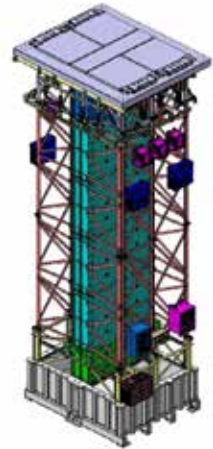
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KVLS-II

Drawing on the heritage of the Mk-57 VLS, KVLS-II expands the KVLS family with larger launch cells designed to accommodate surface-to-surface ballistic and other missiles. Its configuration provides four launch cells per module while maintaining the program's emphasis on reliability, operational flexibility, and mature production. The KVLS-II is part of the combat system for SEJONG THE GREAT class destroyers (Batch II) and the Korean Next-Generation Destroyer (KDDX).

TECHNICAL SPECIFICATIONS

- **Dimensions:** Approx. 120"L × 80"W × 355"H
- **Cell Dimensions:** Approx. 35"L × 35"W × 315"H
- **Module Weight:** 17 tons
- **Capacity:** 4 rounds per module
- **Missile Compatibility:** Surface-to-surface ballistic and other strike missiles



PROVEN ACROSS THE FLEET

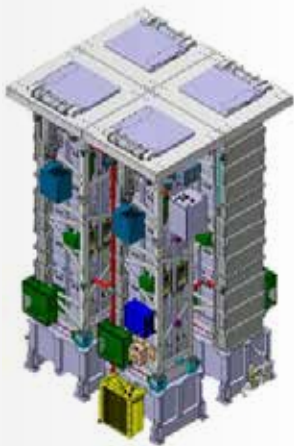
KVLS products have been integrated across the ROK Navy on destroyers, frigates, amphibious and special-mission ships, and specialized support vessels. They have been subjected to operational mission environments and structural conditions. Available configurations allow naval forces to tailor launch capacity to platform and operational requirements.

ROKN Sejong the Great-class guided-missile destroyer JEONGJO THE GREAT, equipped with KVLS-II, participates in RIMPAC 2026. (U.S. Department of War image)



KVLS-S

Developed by the ROK Navy to support ship defense at shorter ranges, this compact KVLS-S configuration offers potential for efficient integration of future U.S. 10-inch-diameter missiles. It supports 16 rounds across four modules in a quad-pack surface-to-air missile configuration and is part of the combat system for DOKDO-class Amphibious Assault Ships.



ROKN Dokdo-class amphibious assault ship MARADO, equipped with KVLS-S. (U.S. Navy image)