



Reliable support at sea

LOGISTIC SUPPORT SHIPS

DAMEN



Support that extends reach

In today's operational landscape, maritime forces must maintain readiness, flexibility, and reach – often far from home ports. Damen's Logistic Support Ship (LSS) series is designed to provide just that. Developed to support naval operations worldwide, the LSS ensures sustained force projection, uninterrupted mission tempo and robust logistic capability.

Tailored to modern naval operations

Compact yet comprehensive, the LSS provides the essential bridge between strategic intent and operational reality. These vessels are built to NATO standards and classification society rules, from replenishment-at-sea (RAS) and logistics delivery to aviation and command support.

Scalable support

Damen's LSS range consists of two base variants – the LSS 9000 and LSS 11000 – offering tailored support capacity depending on fleet requirements. With an overall length of 127 to 140 metres and displacement of 9000 to 11000 tonnes, these vessels are designed to deliver a 10,000-nautical mile range and a 30-day endurance.

Their efficient propulsion systems and modular layout make them versatile support platforms across operational theatres – from high-end naval deployments to Humanitarian Assistance and Disaster Response (HADR) missions.

Designed with purpose, built on experience

The LSS series reflects Damen's long-standing experience in defence shipbuilding and close dialogue with operational end-users. Through continuous cooperation with navies, Damen has created a support vessel that is not only capable but adaptable – one that grows with the needs of its operators. By incorporating modularity and allowing for local construction, the LSS contributes to both operational autonomy and national industrial participation – empowering partner nations and aligning with Damen's commitment to collaborative growth and stewardship.



Optimised logistic support

The vessels feature a dual-engine room layout for enhanced redundancy, survivability against two-compartment flooding, and commercial off-the-shelf (COTS) systems for improved maintainability and lifecycle cost efficiency. Their modular mission bays, helicopter/UAV hangars and container capacity make the LSS a multipurpose asset suitable for diverse roles beyond traditional resupply.



Reliable replenishment and flexible transport

The LSS enables safe and efficient replenishment of fuel (F76 and F44), fresh water, ammunition, and general stores – abeam and astern – fully compliant with NATO STANAG 1065 and ATP-16. The vessels offer a dedicated RAS control room, dual transfer stations, and a Light Jackstay for the movement of personnel or light freight.

Logistic Support Ships 9000 & 11000

A true enabler in the naval supply chain, the LSS serves as the backbone of sustained naval operations – enabling ships to remain on station longer, supporting joint operations, and projecting presence into critical maritime regions. Whether operating alone or as part of a task group, the Damen LSS ensures that navies can rely on continuous support – day in, day out.



SPECIFICATIONS

9000 configuration

- Length: 127 m
- Beam: 19.5 m
- Displacement: 9000 t

11000 configuration

- Length: 142.2 m
- Beam: 19.5 m
- Displacement: 11000 t

Both versions:

- Max speed: 18 kn
- Range (cruising speed): 10,000 nm
- Endurance: 30 days





The LSS is building on and expanding Damen's extensive experience in building large tanker vessels and naval auxiliaries.

Force multiplication from the air

In addition to liquid transfer, the ships support VERTREP operations via a reinforced flight deck, and offer substantial cargo-handling flexibility:

- Vehicle bay (340 m²) for wheeled vehicles;
- Multi-mission bay (135 m²) below the flight deck;
- General cargo & ammunition holds;
- TEU container storage (12–24 TEU depending on variant)

This robust layout supports not just fleet replenishment, but the delivery of mission-specific loads to remote or austere locations.

Aviation-ready for NH90s and UAVs

Each LSS is equipped with a flight deck suitable for medium helicopters such as the NH90, with associated day and night operations support, including firefighting systems, re- and de-fuelling and start-up support. A spacious hangar accommodates both helicopters and unmanned aerial vehicles (UAVs), extending the vessel's ISR, SAR and replenishment-by-air capabilities.

These aviation facilities significantly increase the ship's ability to support embarked forces, conduct aerial reconnaissance, and deliver payloads to inaccessible areas – supporting both maritime and land-based operations.

Smart systems and flexible accommodations

Systems integration is simplified, and long-term operating costs are reduced via shared components and smart power systems. Redundant power and propulsion arrangements, low-vibration comfort class, and accommodation for up to 57 crew – plus 80 temporary personnel – ensure the ship is not just capable, but also but habitable.

The aft mission bay can be reconfigured for troop accommodation, medical use, or additional stores cargo.



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