Damen Shipyards Group has the capability and track record to produce and deliver quality, fit-for-purpose ships to the highest standard, on schedule, at competitive prices, giving clients the best value for money.

PERFECTION THROUGH CLOSE COOPERATION
Design, engineering, production and selection of equipment is based on consultation with the customer, resulting in a perfect match to their requirements and ensuring exceptional performance:
- State-of-the-art integrated combat systems
- High level of comfort with low inboard and underwater radiated noise
- Extremely low vibration levels even at top power
- Fast, highly manoeuvrable, silent, sea friendly
- Operational and sailing perfection

SMART USE OF STANDARDS RESULTING IN LOW COSTS
Damen’s vast experience in applying a clever mix of commercial and naval standards and specifications results in the required naval quality and systems characteristics, while achieving low support costs through the competitive pricing and availability of the applied Commercial Off-The-Shelf (COTS) solutions.

MODULAR BUILDING SYSTEM
Damen offers pre-designed, customised options for payload areas, Command & Control Systems and Platform Systems. Working through the requirements with the customer, Damen is able to select the most suitable tailored platform configuration.

TAILORED SOLUTIONS
In addition, the Modular Building System is ideally suited to fulfilling economic development requirement and to involve local yards in the construction process. Design and equipment selection all take place in consultation with the customer, resulting in a high quality, practical vessel with exceptional systems performance.

ADJUSTED TO STANDARDISATION
- Fast response to customer requests
- Competitive pricing
- Short delivery times
- Reliability proven and tested technology
- Continuous product development
- Interchangeability of ships, crew, spares
- Lower maintenance costs
- Guaranteed performances
- Benchmark for the industry

Damen Shipyards Group has the capability and track record to produce and deliver quality, fit-for-purpose ships to the highest standard, on schedule, at competitive prices, giving clients the best value for money.
Landing Ships have a history dating back to the Second World War. Being primarily intended for amphibious assaults, many landing ships proved to be very versatile in peacetime fulfilling logistic transport and support tasks in remote areas worldwide. However, many vessels are not suited or designed for the tasks they are expected to carry out.

The DAMEN Landing Ship range is a state-of-the-art flexible Class designed to fulfil all traditional Landing Ship mission requirements, as well as the support and secondary mission tasks required by modern naval platforms of this size. Implementing many smart design features, the DAMEN Landing Ship design boosts flexibility, creating vessels with more value throughout their entire lifetime.

Within the range, the following main types are distinguished:
- **Landing Ship Logistic (LSL)**
- **Landing Ship Transport (LST)**

### Landing Ship Logistic

The LSL vessels range in length from 40m to 70m overall and are characterised by:
- Aft deckhouse, flexible, large, open deck configuration
- Wide bow ramp enabling landing and unloading on quays or beaches
- Cargo holds below the open deck
- Very shallow draught capability
- High payloads

### Landing Ship Transport

The LST vessels range in length from 80m to 120m overall and are characterised by:
- Aft deckhouse, protected internal cargo deck and flexible, open upper deck configuration
- A helicopter deck aft of the deckhouse
- Troop/special personnel accommodation
- High speed, excellent seakeeping

### Operational Profile

- Amphibious operations
- Transport & logistics
- Maritime Security operations
- Humanitarian aid & Disaster relief
- Search and Rescue (SAR) support
- Operations command
- Mine Counter Measures (MCM) operations and support
- Hydrographic Survey operations and support
- Search and Rescue (SAR) support

### Design Features

- **MarpoL+** - Ready; no fuel adjacent to shell or bottom.
- Optimised hull form and propulsion for low fuel consumption.
- Efficient logistic arrangement/routes for embarked forces.
- Bow ramp (and stern ramp) designed for handling vehicles up to 70 tonnes.

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**LANDING SHIPS**

**LONG TERM FLEXIBILITY & MISSION MODULARITY**

The vessels in the DAMEN Amphibious Series have proven to be very effective and adaptable. Be it Landing craft or Landing Platform Docks, the vessels were successful in missions they were not specifically designed for. The same design philosophy is used in the latest Landing Ship range. This results in the flexible arrangement of spaces, internal logistics and vital infrastructure, thus ensuring long-term effectiveness and adaptability.

**OPERATIONAL PROFILE**

- Amphibious operations
- Transport & logistics
- Maritime Security operations
- Humanitarian aid & Disaster relief
- Search and Rescue (SAR) support
- Operations command
- Mine Counter Measures (MCM) operations and support
- Hydrographic Survey operations and support

**DESIGN FEATURES**

- Stem anchor for use during beaching and recovery
- High degree of survivability by means of double hull arrangement
- Satisfies lowest intact and damage stability requirements
- Design optimised for minimum wading depths

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<table>
<thead>
<tr>
<th><strong>Type</strong></th>
<th><strong>LSL 40</strong></th>
<th><strong>LSL 50</strong></th>
<th><strong>LSL 55</strong></th>
<th><strong>LSL 60</strong></th>
<th><strong>LSL 70</strong></th>
<th><strong>LST 80</strong></th>
<th><strong>LST 100</strong></th>
<th><strong>LST 120</strong></th>
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<tbody>
<tr>
<td><strong>Length (m)</strong></td>
<td>48</td>
<td>50</td>
<td>57.2</td>
<td>63</td>
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<td><strong>Beam (m)</strong></td>
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<td><strong>Draught (m)</strong></td>
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<td>2.5-2.7</td>
<td>2.5-2.7</td>
<td>3-3.3</td>
<td>2.5-3.3</td>
<td>2.9-4.0</td>
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<td><strong>Speed (kn)</strong></td>
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<td>10</td>
<td>10</td>
<td>10</td>
<td>18</td>
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<td><strong>Range (nm)</strong></td>
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<td>3,000</td>
<td>3,000</td>
<td>4,000</td>
<td>2,500</td>
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<td><strong>Deadweight (t)</strong></td>
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<td>1 M-size</td>
<td>1 M-size</td>
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**REDUCED WADING DEPTHS**