

# The Skjold Class

L i t t o r a l C o m b a t S h i p



## AREA OF OPERATION

- The Norwegian Coastal Waters and Economic Zone
- The international scene

## RNOB REQUIREMENTS

- A large number of relative small, cost effective vessels
- Designed for Surface operations in coastal waters
- A large weapon load compared to the ship's size
- High transit speed

## HIGHLIGHTED PROPERTIES

- FRP materials designed for radar reflection and absorption
- Reduced infrared and optical signatures
- Electromagnetic interference and compatibility
- Shallow water capabilities
- Surface to surface missiles integrated in the FRP hull
- Low weight
- Reduced manning
- Excellent sea-keeping

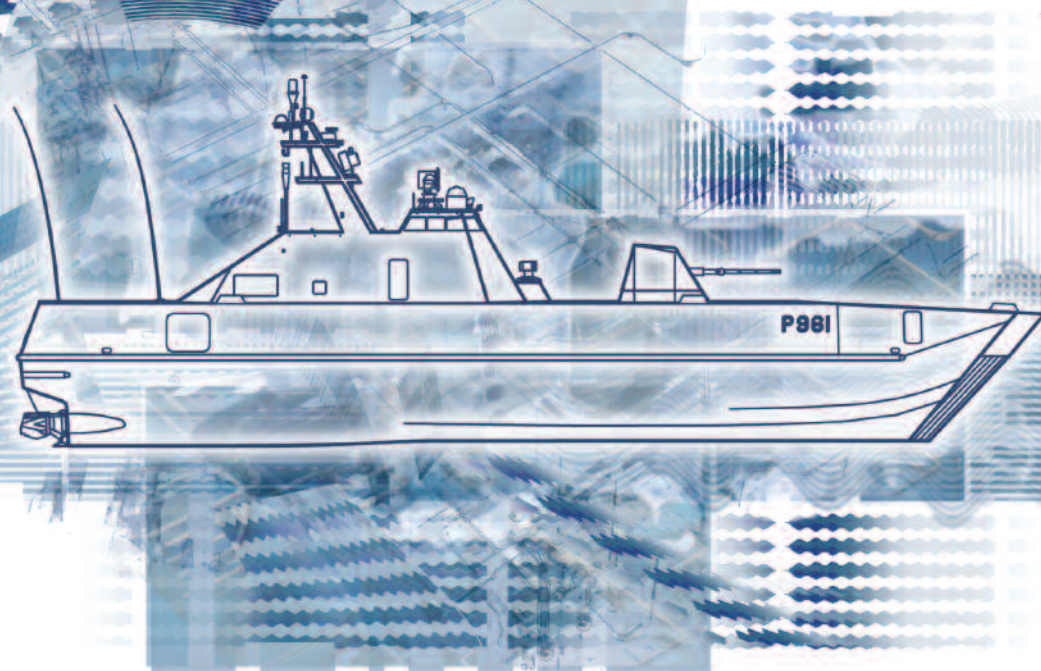
High speed requirement in combination with superior sea-keeping, stability in heavy seas, large internal volume and low fuel consumption made the SES Concept a natural choice.

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*umoe*

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## Characteristics

- |                     |  |
|---------------------|--|
| <b>Hull</b>         | <ul style="list-style-type: none"><li>• FRP Sandwich</li></ul>   |
| <b>Length o.a</b>   | <ul style="list-style-type: none"><li>• 47 m</li></ul>   |
| <b>Beam o.a</b>     | <ul style="list-style-type: none"><li>• 13.5 m</li></ul>   |
| <b>Draught</b>      | <ul style="list-style-type: none"><li>• On cushion 0.9 m</li><li>• Off cushion 2.2 m</li></ul>   |
| <b>Crew</b>         | <ul style="list-style-type: none"><li>• 15 - 18 (Accommodation for 21)</li></ul>   |
| <b>Displacement</b> | <ul style="list-style-type: none"><li>• 274 tons fully loaded</li></ul>  |
| <b>Propulsion</b>   | <ul style="list-style-type: none"><li>• 2 x 4000 kW Pratt &amp; Whitney</li><li>• 2 x 2000 kW Pratt &amp; Whitney</li><li>• 2 Rolls-Royce S-80 Water jets</li><li>• 2 x 700 kW 12 cyl. MTU 183 for lift fans</li></ul>   |
| <b>Range</b>        | <ul style="list-style-type: none"><li>• 800 nautical miles</li></ul>   |
| <b>Speed</b>        | <ul style="list-style-type: none"><li>• 60 knots in seastate 0</li><li>• 45 knots in seastate 3</li></ul>  |
| <b>Stealth</b>      | <ul style="list-style-type: none"><li>• Reduced Radar Cross Section</li><li>• RAS/RAM built into the Structure</li><li>• Reduced IR signatures</li><li>• Reduced magnetic signatures</li><li>• Reduced underwater acoustic signatures</li><li>• Umoe Mandal designed hatches and doors</li></ul> |
| <b>Missiles</b>     | <ul style="list-style-type: none"><li>• 8 x SSM; The new Kongsberg Defence &amp; Aerospace NSM</li></ul>   |
| <b>Gun</b>          | <ul style="list-style-type: none"><li>• OTO Melara 76/62 S.R.G.M.</li></ul>  |

### Combat Management System

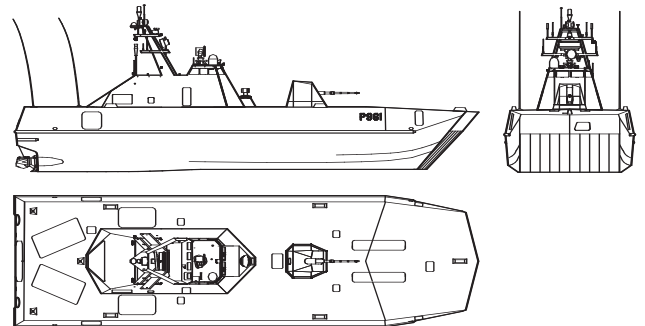
- SENIT 2000, developed and manufactured by DCN, in partnership with Kongsberg Defense & Aerospace

### Sensors

- Thales MRR /3D NG surveillance radar
- SAGEM VIGY 20 Electro optical multi sensor
- Sofresud QPD Optical sight
- EDO RSS CS 3701 ESM
- Saab Tech CEROS 200 Fire Control Tracker
- Litton Navigation radar
- THALES IFF interrogator/transponder

### Communications

- DCN Interoperable datalink (Link 11/16)
- Aeromarine communication system.



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