The Scorpène® 2000 submarine is ideally suited for action and operational effectiveness. It is designed for long-range and oceanic deployments. Robust and multipurpose, it fulfils the entire scope of missions:

- anti-surface and anti-submarine warfare,
- strikes against land-based objectives,
- integration in a naval force,
- special operations,
- offensive minelaying,
- area surveillance and blockade,
- intelligence gathering.

Integrating the improvements from Barracuda, Scorpène® 2000 has the latest cutting-edge capabilities.
KEY POINTS

Up-to-date capabilities

- Fully integrated, the SUBTICS® combat system builds a comprehensive picture of the tactical situation, gathering all information provided by the high-quality sonar suite, data link and above water sensors.
- A fast, silent and safe handling system can immediately load the appropriate weapons, launching from any tube with any weapon, air-warfare missiles included.
- Scorpène® 2000’s heavy weapons payload includes missiles, torpedoes or mines.
- Increasing combat capabilities, a four-diver airlock allows special operations and UUV capacities.

Increasing invulnerability

- Hydrodynamic shape, vibration-free machinery and elastic mountings on suspended cradles ensure excellent acoustic discretion.
- Releasable or towed systems allows communications, intelligence and navigation data updating while remaining deeply submerged. Thanks to the sensitivity and the fine integration of the sonars, Scorpène® 2000 has proven at sea its listening capacities up to maximum speed.

AIP section

- FC2G – Fuel Cell 2nd Generation – ensures unmatched stealth during missions, allowing more than two weeks diving endurance, avoiding multiple snorkelling periods.
- It is designed to limit detection risks, providing energy without external air supply.
- It is designed in autonomous sections, enabling optimised integration and simple maintenance. FC2G is easy to operate, without additional manning needs.

CHARACTERISTICS

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length, overall</td>
<td>66-82 m</td>
</tr>
<tr>
<td>Displacement surfaced</td>
<td>2,000 t class</td>
</tr>
<tr>
<td>Submerged speed</td>
<td>&gt; 20 kts</td>
</tr>
<tr>
<td>Submerged endurance</td>
<td>&gt; 2 weeks</td>
</tr>
<tr>
<td>Diving depth</td>
<td>&gt; 350 m</td>
</tr>
<tr>
<td>Autonomy</td>
<td>&gt; 50 days</td>
</tr>
<tr>
<td>Crew</td>
<td>25 to 31</td>
</tr>
</tbody>
</table>

FULLY INTEGRATED COMBAT SYSTEM

HYDRODYNAMIC SHAPE
**KEY POINTS**

**Designed for long-range deployments**
- More than six weeks of submerged autonomy allows the submarine to operate in full stealth. Sea proven in warm and cold waters, Scorpène® 2000 is designed to be extremely resilient.
- Scorpène® 2000 has reduced manning needs. The crew benefits from enhanced living conditions with crew-quarters designed according to the feedback from client navies.

**Tailoring design to customer’s needs**
- Scorpène® 2000 submarines combine modular design, an efficient basic layout and sea-proven technologies. The final design can be tailored to accommodate each client navy’s specific needs and capability requirements as well as new capacities or technologies developed recently.

**Reduced life-cycle costs**
- Scorpène® 2000 radically reduces the cost of operating and maintaining a submarine fleet. Life-cycle costs have been slashed by reducing alongside maintenance time and extending the interval between overhauls.

**Fittable at any time**
- Designed in sections, Scorpène® 2000 is fittable at any time, ensuring that the submarine remains up to date throughout its entire life cycle. Growth potential forms an integral part of the submarine’s design from the very beginning, to take into account operational feedbacks and technological innovations.

**Technology transfers**
- DCNS is open to partnerships and technology transfers with local shipbuilders and industries, enabling them to provide through-life support, to supply equipment and software or undertake shipbuilding work depending on the procurement agency’s objectives.
- Scorpène® 2000 construction can also lead to industrial and infrastructure-upgrade partnerships. The aim is to always provide the customer navy with the independence and long-term viability needed for the force maintenance.
14 Scorpene® around the world

- **Chile:** 2 submarines at sea.
  Building place: Cherbourg (France)

- **Malaysia:** 2 submarines at sea.
  Building place: Cherbourg (France)

- **India:** 6 submarines under construction.
  Building place (by technology transfer): Mumbai (India).

- **Brazil:** 4 submarines under construction.
  Building place (by technology transfer): Itaguai (Brazil).