

# PRESS RELEASE

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## Naval Group reveals the SMX 31 E, its 2020 concept ship

**The SMX31E is Naval Group newest submarine concept. She integrates the latest digital technologies for reinforced operational efficiency and significant versatility of use. Stealthier thanks to her biomimetic covering, the ship also benefits from an unmatched electrical energy storage capacity and a new propulsion concept.**

Naval Group seeks to build a long-term vision, consistent with the operational needs expressed by its customers in order to invest in systems which will remain technologically superior over the 30 to 40 years of ships' lifecycles.

Naval Group naval architects project themselves in the future. On the horizon of 2040, in a context of permanent surveillance of oceans, navies will have to navigate in very intricate environment. The objectives for submariners will be to operate freely, to share information safely and to be able to act firmly and swiftly.

The SMX31E offers a stealthier, more autonomous and flexible solution. More than a smart ship, the SMX31E constitutes a smart naval force to gain superiority in future underwater battlefields.

The increased invulnerability is the result of the biomimetic shape and the skin material making it stealthier against active sonar emissions. Endurance is the other asset of the SMX31E –it allows the crew to be submerged for months thanks to the high energy capacities and efficient energy management system.

Using advanced artificial intelligence technology, this submarine offers maximal connectivity to interact with the rest of the fleet in a distributed underwater network. This new IT design enables the crew to collect and process data efficiently with remote sensors allowing them to master underwater tactical situation. At the end of the day, the SMX 31E can monitor areas 10 times larger than today with the same efficiency.

This smart ship always keeps human decision in the loop and becomes a force multiplier thanks to the integration of all kinds of drones including large sized drones. Connected to each other, these vectors contribute to better control an extended underwater battlefield.

### Technical characteristics of the SMX 31 E

- Submerged displacement: 3 200 tonnes
- Length: 80 metres

- Armament: 24 heavy-weight weapons (naval cruise missiles, F21 torpedoes, anti-ship missiles)
- Up to 6 UUV (533mm) + 2 XLUUV
- SOF dedicated facilities (trunks, storage rooms, vehicle and weapons, grouping areas...)
- Two rim driven electric propulsion motors
- Crew: 15 crew members + 12 to 20 pax
- Submerged mission: > 40 days at speed of 8 kts.

**Photos and videos available on [www.salledepresse.com](http://www.salledepresse.com)**

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### About Naval Group

Naval Group is the European leader in naval defence. Naval Group uses its extraordinary know-how, unique industrial resources and capacity to arrange innovative strategic partnerships to meet its customers' requirements. As a system-integrator and prime contractor, the group designs, produces and supports submarines and surface ships. It also supplies services to shipyards and naval bases. In addition, the group offers a wide range of marine renewable energy solutions. Attentive to corporate social responsibility, Naval Group adheres to the United Nations Global Compact. The group reports revenues of 3.7 billion euros and has a workforce of 15,168 (data for 2019).

[www.naval-group.com](http://www.naval-group.com)

