



# SUBMARINE

## STM500

STM500 Submarine is a shallow water diesel-electric attack submarine developed by STM as a conceptual design. The platform is capable of enduring 18+6 (SF) personnel for 30 days at depths more than 250 meters, ready to fire its 4 tubes loaded with a variety of 8 modern heavy weight torpedoes and guided missiles.



## CAPABILITIES

- Submarine Warfare
- Intelligence, Surveillance, and Reconnaissance
- Special Operations
- Mine Warfare
- Shallow water operations
- UXV operations
- Diving depth: 250+ m
- Endurance: 30 days

## MAIN DIMENSIONS

Length Overall	42.0 m
Length Waterline	4.2 m
Max. Beam	8.5 m

## SPEED & ENDURANCE

Max. Speed	18+ kts
Cruising Speed	5 kts
Endurance	3500 nm (Diesel) 75 nm (Battery) 4000 nm (Diesel + optional AIP)

## TONNAGE

Displacement	Surfaced - 485 t
	Submerged - 540 t

## SENSORS & WEAPONS

- Combat Management System
- Navigation Radar
- Optronic Search and Attack Periscopes
- Torpedo Counter Measures (Decoys)
- ESM
- Sonars:  
CAS, CTA, PRS, MAS, IDRS, ONA
- 4 torpedo tubes (2 tubes available for Guided Missile) and 4 additional payload stowage

## MAIN PROPULSION

- Permanent Excited Propulsion Motor (approx. 1,5 MW)

## POWER GENERATION

- 2x Diesel Generator
- Lithium-Ion Batteries
- Optional: AIP System

## ACCOMMODATION

- Accommodation for 18 crew
- +6 additional accommodation area for Special Forces personnel
- Captain's Cabin
- Galley, dry provisions, freezer room, separated mess rooms

