



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

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|----------------|--|
| 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 |
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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

