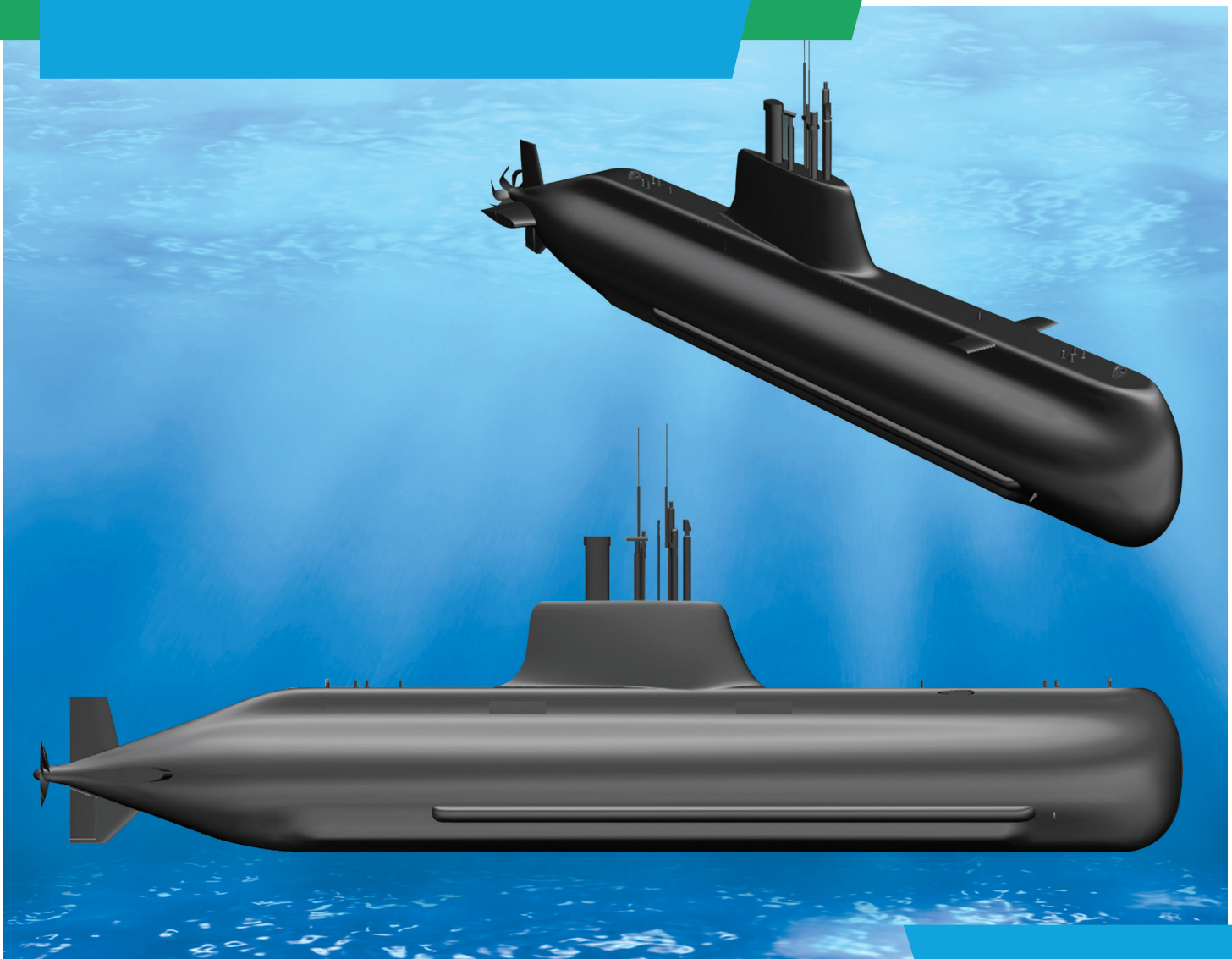


Submarine TS1700



The **TS1700** is a diesel-electric submarine developed by STM as a conceptual design. It is propelled with an Electric Motor, two diesel generators assisted with an air-independent propulsion (AIP) system. Platform can dive more than 300 m depth. It can accommodate 25+6 SF personnel for 90 days at sea on double elastic platforms which prevents the personnel and the devices from devastating effects of underwater explosions. It enables the launch of variety of 16 modern heavy weight torpedoes and guided missiles from its 8 tubes.

Submarine TS1700

Design, Purpose and Capabilities

TS1700 has been mainly designed for the following tasks;

- Submarine Warfare
- Intelligence, Surveillance and Reconnaissance
- Special Operations
- Mine Warfare
- Network Centric Warfare
- Land Attack

Main Dimensions

Length Overall:	60,14 meter
Diameter of PH:	6,50 meter
Sail Height:	13,40 meter
Diving Depth:	300+ meter

Tonnage

Displacement (surfaced):	1517 tons
Displacement (submerged):	1740 tons

Speed & Endurance

Max. Speed:	20+ knots
Cruise Speed:	4 knots
Endurance:	6000 Nm (Diesel Power) 400 Nm (Batteries) 7250 Nm (Diesel + AIP)

Tank Capacities

Fuel:	63 tons
Fresh Water:	13 tons

Sensors & Weapons

- LPI Radar
- Search & Attack Periscopes
- Torpedo Counter Measures (TCM)
- Electronic Support Measures (ESM)
- Buoyant Wire Antenna
- SONARs: CAS, FAS, CTA, PRS, MAS, IDRS, TAS, ONA
- Hydrophones & Accelerometers
- 8 torpedo tubes (4 tubes are available for Guided Missile) and 8 additional payload stowage

Main Propulsion

- Permanent Excited Propulsion Motor (appr. 3 MW)

Power Generation

- 2 x 1000 kW diesel generators

Accommodation

- Comfortable accommodation for 25 Crew
- Galley, dry provisions, freezing rooms, separated mess rooms, resilient mounted machine room, CIC, TCC and Accommodation platforms.
- Length of stay at sea: 90 days
- Accommodation capability for +6 special forces personnel