

# SUBMARINE "S-80" CLASS

## MAIN CHARACTERISTICS

·Length overall	71.05 m
·Maximum beam	11.68 m
·Draught	6.20 m
·Hull diameter	7.30 m
·Displacement Surfaced	2,200 t
·Speed Surfaced	>12 kn
·Speed Submerged	>19 kn



## MISSIONS

- Antisubmarine warfare
- Antisurface warfare
- Indication and warning
- Offensive mining
- Special operations forces (SOF)
- Land Attack
- Amphibious forces protection
- Antisubmarine warfare training
- Intelligence gathering
- Deterrence

## VESSEL CONCEPT

- Single hull
- External shape optimised for low self noise
- Modular design
- Reduce crew: 32 crew + 8 special forces
- Stealthiness

## POWER PLANT

- AIP System (Ethanol Reformer + pem fuel cell)
- 3 diesel generators
- 1 Synchronous electric Motor
- 2 Battery tanks (2 x 180 elements each)

## COMBAT SYSTEM

- High passive acoustic detection and optronic performance capabilities
- 6 active tubes and weapons management capability for missiles, torpedoes and mines
- Torpedo Countermeasures System
- Electronic Warfare System
- High level of integration for operation and C41 optimum information management
- State of the art technology based on OSA and extensive usage of COTS elements
- External and internal integrated communications and Satellite High Data System
- Design for low life cycle cost

