



S1000 Submarine

FINCANTIERI
The sea ahead



S1000 Submarine

_ main characteristics

— The S1000 design is the result of the cooperation between Fincantieri and Russian Partner State-Owned Enterprise Central Design Bureau For Marine Engineering “RUBIN” (under the aegis of Russian Federal State Unitary Enterprise “ROSOBORONEXPORT”).

Length overall.....	57.20 m
Outer diameter of pressure hull.....	5.50 m
Submerged displacement.....	abt. 1 100 t
Surface displacement (ready to dive).....	1 000 t
Diving depth.....	250 m
Draft.....	5.40 m
Stern rudders.....	4 x type
Maximum submerged speed.....	14 kn
Transit speed.....	6 kn
Patrol speed.....	4 kn
Cruising range under snorkel and storage battery:	
• during transit.....	1 500 nm
• during patrol.....	2 000 nm
Crew + special forces.....	16 + 6
Endurance.....	30 days
1 Propeller shaft	

PROPULSION PLANT

1 multi electronic permanent magnet propulsion motor.....	1 000 kW
Diesel engines (turbocharged).....	2 x 715 kW
Generators.....	2 x 650 kW
2 Battery Banks of 112 Lead Cells each in 2 separate compartments	
AIP capability (Fuel cell based).....	200 kW
1 Propeller shaft, 7 skewed blades	

_ combat system

FINCANTIERI
The sea ahead

Head Office

Via Genova, 1 - 34121 Trieste (Italy)
ph. +39 040 3193111 - fax +39 040 3192305

Naval Vessels

Via Cipro, 11 - 16129 Genova (Italy)
ph. +39 010 59951 - fax +39 010 5995379/272

fincantieri.com

6 Fwd Torpedo Tubes (Push-Out Type) with capability to manage a combination of up to 6 + 8:

- 21 inches (533 mm) Wire Guided Torpedoes
- Antiship/Strike Missiles

1 Bottom Mines Torpedo Countermeasures System (Emulator/Decoy)

5 Multifunction CMS Consoles, Integrating sensors and navigation

1 Passive/Active Sonar Suite (Conformal Array, Intercept Array, Mine Avoidance, ONA)

1 Integrated Navigation System

1 Underwater Telephone

1 Optronic Mast (TV IR, Laser Range Finder/ESM early warning)

1 ESM, for automatic intercepted radar classification through own libraries

1 Navigation Radar with ARPA facilities

1 Internal Communication System

2 Integrated external communication masts for voice and data communications in the frequencies HF, UHF, UHF-SATCOM, VHF

1 VLF antenna

RUBIN

