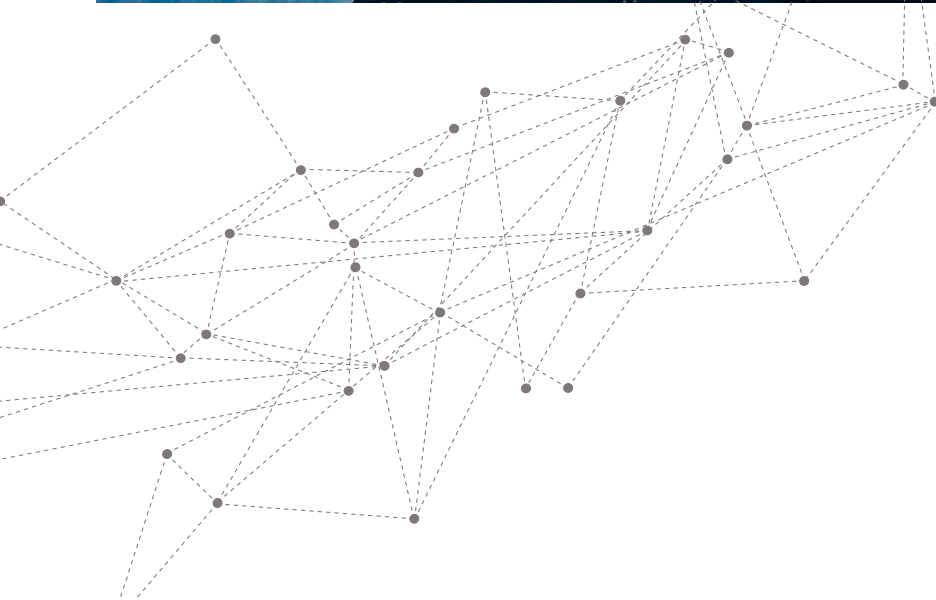




Submarine U212A
Todaro Class

FINCANTIERI
The sea ahead



Submarine U212A Todaro Class

_ main characteristics

— U212 Submarine represents the result of the agreement between the German and the Italian MoD's for a joint German-Italian Submarine Programme. Two submarines (Todaro and Scirè) are already operational. Two more units (Venuti and Romei) are in the delivery / commissioning phase.



Length overall.....	57.15 m
Length between perpendiculars.....	55.90 m
Max breadth (on P.H.).....	7.00 m
Height overall (masts in).....	11.875 m
Surface displacement (ready to dive).....	1 509 t
Submerged displacement.....	1 720 t
Amagnetic steel construction	
Lead cells battery banks (two sub-batteries)	
1 Synchronous motor with permanent magnet excitation	
1 16 Cyl. Turbocharged diesel-generators set	
A.I.P. System with 8 + 1 Fuel cell module (34 kW each)	
Low signature (acoustic, hydrodynamic, radar, I/R)	
Very low magnetic design and signature	
Maximum surface speed.....	12 kn
Range at 8 kn on surface.....	8 000 nm
Maximum submerged speed.....	>16 kn
CREW	total 27
Officers.....	9
P.O. & Ratings.....	15
Extra crew.....	3
Sanitary spaces masses with:	
• Officers seats.....	8
• P.O./crew seats.....	9
• Galley.....	



_ 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

Command & Control Systems based on 4 Multi functional Consoles with redundant databus

FULLY INTEGRATED SENSORS

DBQS-40 Sonar System with: PRS, CAS, FAS, TAS, MAS, IPS, ONA
Navigation Sensors: Log, GPS, INS, AHRS, Echograph
Plotting Table
KH 1007 Navigation Radar
Optronic Sensor
Attack Periscope
Integrated Communication System: VLF, HF, VHF, UHF, GMDSS
FL 1800 U ESM System
UW Telegraphy & Telephony Systems
UHF Satcom Dama
SHF Sensor

WEAPONS

6 Launchers for Blackshark Advanced (BSA) or DM2A4
1 Mine Laying System (optional)
1 Torpedo Countermeasure System (optional)

