

the past
il passato

Schooner Class

Genoa,
Private collection

Among the outstanding ships built by Fincantieri, the three-masted schooners "Orietta" and her sister ship "Fiammetta" deserve attention since they were the last sailing ships built in Italy for commercial trade. Moreover, their hull construction (nearly 40 metres in length) was really the swan song of building in wood. Wood and copper nails made the two schooners the ideal platforms for magnetic mine-sweeping, using their small auxiliary engine. Indeed, both ships were taken over by Italian Navy and served in World War 2 for this purpose. Their capacity to operate in open seas is a feature of modern Offshore Patrol Vessels.

Fra le splendide navi costruite da Fincantieri, le golette a tre alberi "Orietta" e la sua gemella "Fiammetta" meritano attenzione poiché furono le ultime navi a vela costruite in Italia per il commercio. Inoltre lo scafo (lungo quasi 40 metri) era davvero il "canto del cigno" nelle costruzioni in legno. La struttura in legno con chiodi di rame fece sì che le due golette fossero le piattaforme ideali per operazioni di ricerche di mine magnetiche, avvalendosi del piccolo motore ausiliare. Di fatto ambedue le navi furono prese in possesso dalla Marina Italiana e servirono a questo scopo durante la seconda guerra mondiale. La capacità di operare in mare aperto è una caratteristica dei moderni Offshore Patrol Vessels.



Head Office

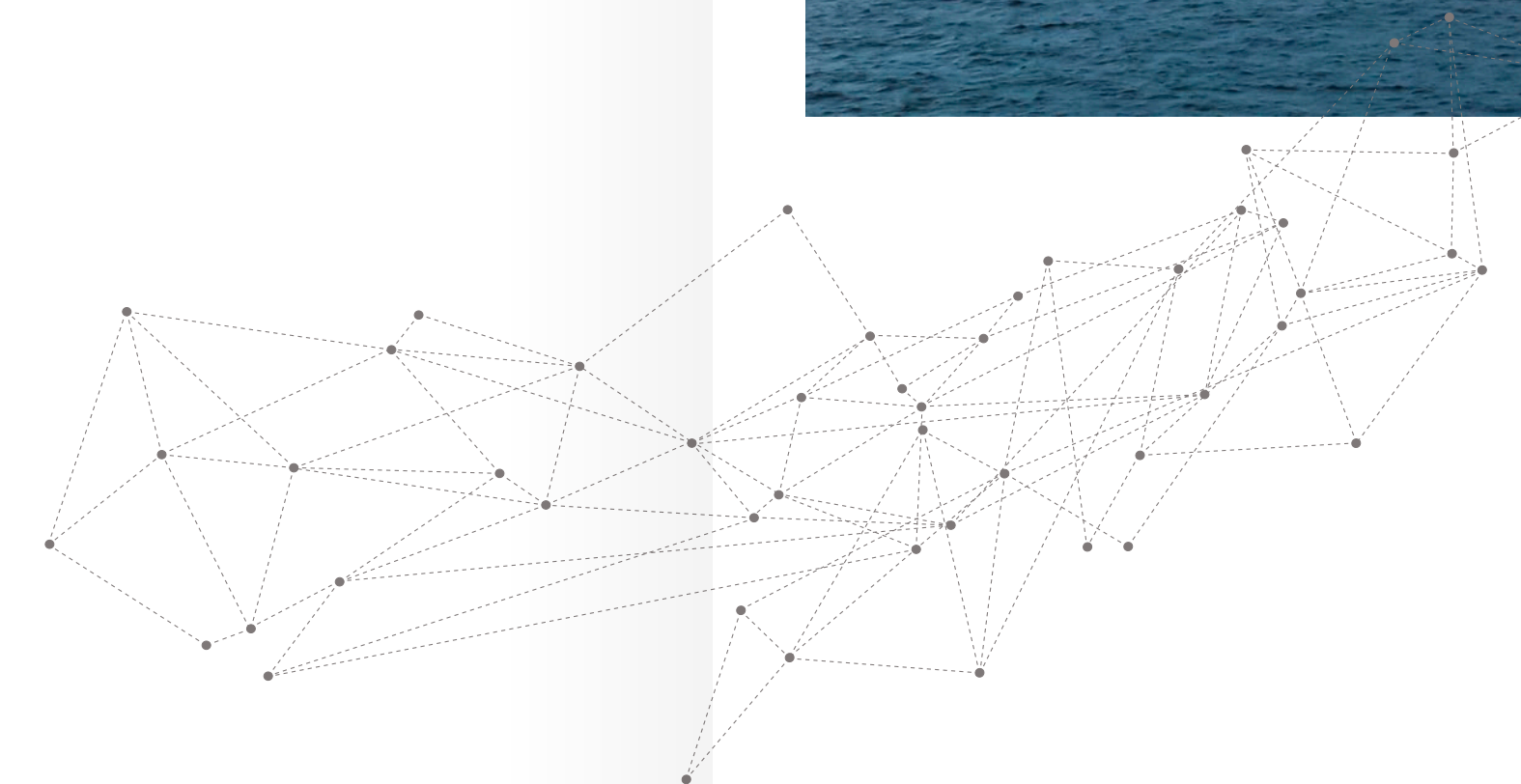
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Offshore
Patrol Vessels



spines/AB M-03/16

Offshore Patrol Vessels

_ overview

— The main mission of Offshore Patrol Vessels is to safeguard national interests through patrolling activities and carry out anti-pollution and rescue services. The aft area is often fitted with a flight deck for the take-off and landing operations of one medium-sized helicopter. Typical features of such vessels are the extensive range as well as sea-keeping and manoeuvrability performances, which make them highly flexible from the operational point of view.

— Compito principale dei pattugliatori d'altura è quello di salvaguardare gli interessi nazionali attraverso azioni di pattugliamento ed effettuare operazioni anti-inquinamento e di salvataggio. La zona di poppa è spesso dotata di un ponte di volo per operazioni di atterraggio e decollo di un elicottero di medie dimensioni. Caratteristiche tipiche di queste navi sono l'elevata autonomia e le prestazioni di tenuta al mare e manovrabilità, che le rendono estremamente flessibili dal punto di vista operativo.



Offshore Patrol Vessel Sirio Class



_ main characteristics

Length overall	88.60 m
Length between perpendiculars	80.00 m
Max breadth	12.20 m
Depth	8.20 m
Full load displacement	1 580 t
Corresponding moulded draught	3.43 m
Max continuous speed	≥ 22 kn
Range at 17 kn	abt. 3 300 nm

ENERGY AND PROPULSION SYSTEMS

Diesel engines WARTSILA W12 V 26XN	2 x 4 320 kW
Diesel generators	3 x 750 kVA
Primary power	390 V - 50 Hz
Rudders	2
Feathering C.P. propellers	2
Stabilizers	2 active fins

CREW

Commanding Officer	1
Officers	9
Senior Petty Officers	30
Junior P.O. / Senior Ratings	18
Junior Ratings	12
Total	70

HELO CAPABILITIES

Flight deck for AB212 or NH90

_ combat system

1 Combat Management System
1 Main Calibre Gun - 76 mm (fitted for)
2 Secondary Calibre Guns - 25 mm
1 2D Search radar
1 Fire Control System (fitted for)
1 Electronic Warfare System (fitted for)
1 Integrated Communication System
1 Identification Friend or Foe + Transponder
1 Navigation System + METOC
1 Navigation Radar

Special Systems

Environmental pollution control
Pollution delimitation
Dispersion by chemical spraying
Polluting oil recovery
Fire - fighting support to other ships



Offshore Patrol Vessel Sars Turkey



_ main characteristics

Length overall	88.60 m
Length between perpendiculars	80.00 m
Beam	12.20 m
Full load displacement	1 700 t
Corresponding mean draft	3.60 m
Personnel	72
	+ abt. 35 m ² of dedicated area for Shipwrecked or Cadets
Structure	High strength steel
Cruising speed [at Sea State "5"]	15 kn
Max continuous speed [at Sea State "5"-100% of described machinery MCR]	20 kn
Maximum speed [at Sea State "2"]	22 kn
Sailing range [at cruising speed and 90% fuel consumption]	3 000 nm
Endurance	minimum 10 days

HELO CAPABILITIES

Flight deck and retractable hangar for AB412 or NH90

COMBAT SYSTEM

1 IFF System*
1 Navigation Radar*
1 Surveillance Radar*
1 E/O Fire Control System*
1 Main calibre gun 40 mm
2 Secondary Calibre Guns 12.7 mm
1 Command & Control System*

* not in Fincantieri supply

_ main characteristics

Length overall	94.50 m
Length between perpendiculars	80.00 m
Moulded breadth	16.60 m
Max breadth	20.50 m
Design depth	8.50 m
Full load displacement	abt. 3 600 t
Cruising speed	abt. 13 kn
Max continuous speed	17 kn
Range at 13 kn	abt. 3 000 nm
Complement/technicians	20 + 30 people
Rescued	60 people

ENERGY AND PROPULSION SYSTEM

Propulsion system CODL0D
Main engines 2 x GE 12V228 2 289 kW

HELO CAPABILITIES

Flight deck for AB412 or AW139

Offshore Patrol Vessel Dattilo Class



_ main characteristics