

the past
il passato

Euridice Corvette

Three-masted vessels of limited displacement yet with many sails were successful in Italian shipping and with the Piedmont and later Royal Italian Navy Corvettes. The light fast three-masted ships were widely used by the Piedmont Navy. The picture shows the Corvette "Euridice", built in Genoa in 1828, and deployed in the 1830s and 1840s in South America to protect the large Italian settlements there. She had a displacement of over 1,400 t and served in the newly constituted Royal Italian Navy until 1869, for over forty years. Since then, the idea of the corvette has evolved through numerous families of vessels. The most modern, well-proven European Corvette is the "Cigala Fulgosi" class. Four ships have been in service with the Italian Navy since 2003 and they have already proved their outstanding qualities in several missions outside the Mediterranean. The "Cigala Fulgosi" class features highly interesting characteristics in terms of high performance levels, excellent sea-keeping, reduced signatures and low through-life cost.

Navi a tre alberi dal dislocamento ridotto, ma dotate di numerose vele, ebbero un gran successo nelle flotte commerciali italiane, nella Marina del Piemonte e, successivamente, nella Regia Marina Italiana. Le "Corvette", veloci navi a tre alberi furono impiegate molto dall'allora Marina del Piemonte. L'illustrazione riporta la corvetta "Euridice", costruita a Genova nel 1828 e impiegata negli anni trenta e quaranta del secolo scorso in Sud America, a difesa dei vasti insediamenti italiani presenti. Con un dislocamento di oltre 1.400 t, la nave servì la Regia Marina Italiana fino al 1869, dunque per oltre quarant'anni. Da allora il concetto di unità navale "Corvetta" ha dato origine a numerose classi di navi. Le corvette più moderne, di provate ed eccellenti qualità, appartengono alla classe "Cigala Fulgosi". Quattro navi sono in servizio per la Marina Italiana dal 2003 e hanno già dato prova del loro valore in diverse missioni al di fuori del Mediterraneo. La classe "Cigala Fulgosi" si caratterizza per livelli di performance altissimi, eccellente tenuta in mare, segnatura radar molto ridotte e bassi costi di manutenzione.



Head Office

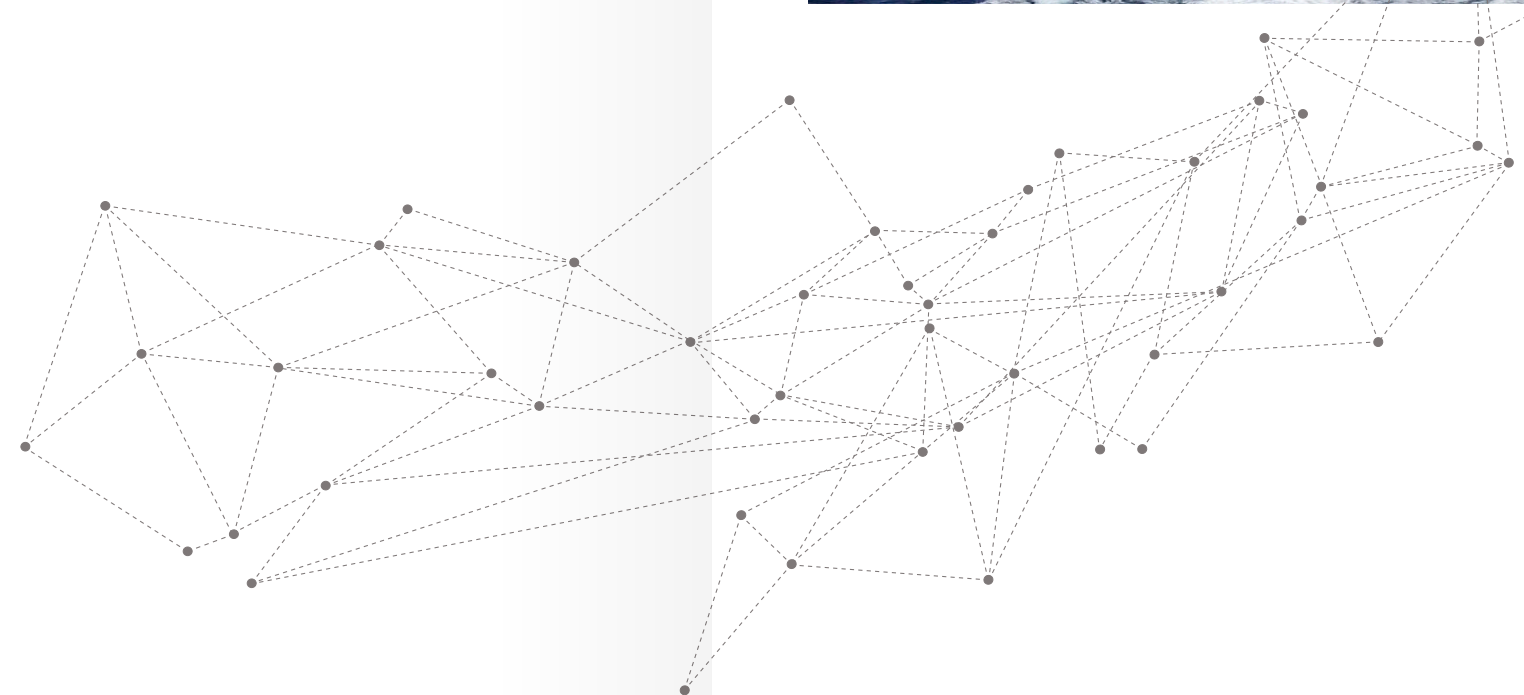
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Corvettes



Corvettes

_ overview

— Vessel size, high performance, transport and support capability are optimized to play different roles such as: escort, support, relief, interdiction and patrol operations. Such ships are highly handy, have excellent nautical qualities and seaworthiness, long range and are able to operate in open seas missions and to manage protracted helo operations. The vessels are built following stealth principles and are able to accommodate different Combat System versions.

— Dimensioni, prestazioni elevate, capacità di trasporto e di supporto sono ottimizzate per diversi ruoli operativi quali: scorta, supporto logistico, soccorso, interdizione e pattugliamento. Queste navi sono estremamente maneggevoli, possiedono elevate capacità di tenuta al mare, autonomia elevata, e sono in grado di svolgere missioni in mare aperto e gestire prolungate operazioni della componente volo. Costruite con criteri stealth, possono ospitare diversi Sistemi di Combattimento.



Corvette

Comandante Cigala Fulgosi Class



Corvette

Abu Dhabi Class



_ main characteristics

Length overall.....	88.40 m
Length between perpendiculars.....	80.00 m
Max breadth.....	12.20 m
Full load displacement.....	1 520 t
Max sustained speed.....	> 25 kn
Range at 14 kn.....	3 500 nm

ENERGY AND PROPULSION SYSTEM

- 2 Main engines Wärtsilä W18 V 26XN
- 3 Diesel generators Isotta Fraschini 1712 T2 ME - 900 kW each

CREW

Accommodation..... 70 people

- 2 Rudders
- 2 Active-fin stabilizers
- Stability and buoyancy according to Italian Navy Std.
- Flight deck and retractable hangar for AB 212/NH 90
- Control and reduction of RCS and IR signatures

COMBAT SYSTEM

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

_ main characteristics

Length overall.....	88.40 m
Length between perpendiculars.....	80.00 m
Moulded breadth.....	12.20 m
Moulded depth.....	8.20 m
Full load displacement.....	1 620 t
Max speed at 100% MCR.....	≥25 kn
Cruising speed.....	14 kn
Range at 14 kn.....	3 000 nm
Endurance.....	20 days
Crew.....	70 people

ENERGY AND PROPULSION SYSTEM

Main diesel engines..... 2 x 7 000 kW

HELO CAPABILITIES

Flight deck and retractable hangar for Panther and Super Puma

COMBAT SYSTEM

- | | |
|--|---|
| 1 Combat Management System | System [2 launchers] |
| 1 3D Surveillance Radar | 1 Radar Electronic Support Measures |
| 1 Identification Friend or Foe + Transponder | 1 Anti-Air Warfare Decoy Launching System [2 launchers] |
| 1 76/62 SR Main Gun | 1 External Communication System |
| 1 Fire Control System | 1 Internal Communication System |
| 2 30 mm Secondary Guns | 1 Satcom Communication System |
| 2 Optronic Fire Control System | 1 Navigation System |
| 1 Ship to Ship Missile [2 x 2] | 1 X-Band Navigation Radar with frequency diversity |
| 1 Rolling Airframe Missile [31 cells]* | 1 X-Band Navigation Radar with LPI component |
| 1 Hull Mounted Sonar & Underwater telephone | 1 Expendable Bathythermograph System |
| 1 Towed Array Sonar | |
| 1 Torpedo Launching System [2 launchers] | |
| 1 Anti-Torpedo Decoy Launching | |

* Next installation

Multirole Corvette

_ main characteristics

Length overall.....	107.00 m
Length between perpendiculars.....	99.80 m
Beam.....	14.40 m
Depth.....	8.60 m
Design displacement.....	2 800 - 3 000 t
Speed [max/range].....	28 / 15 kn
Range.....	3 500 nm
Endurance.....	21 days
Crew.....	95 - 110 people
Flight deck for NH90 type helicopters	

ENERGY AND PROPULSION SYSTEM

Propulsion system..... CODAD [4 x DE / 2x FCPP]
Generating sets..... 4

COMBAT SYSTEM

- 1 Combat Management System
- 1 3D Surveillance Radar + IFF + Transponder
- 2 Navigation Radars [X+S Band]
- 1 AAW Decoy System
- 1 Radar/E0 Fire Control System
- 2 EO Fire Control Systems
- 1 InfraRed Search and Track [IRST]
- 1 EW System [RESM/CESM, RECM]
- 2 Secondary Calibre Guns
- 1 Main Calibre Gun
- 1 SAM Vertical Launching System
- 1 SSM [4 x 2]
- 1 RAM
- 1 Anti Torpedo Defence System
- 1 Mine Avoidance Sonar
- 1 Integrated Int/Ext Communication System including SATCOM and Tactical Links
- 1 Navigation System + Sensors

