

FCX SERIES

A CLASS APART

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ELEMENTAL
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FINCANTIERI
The sea ahead





FCX series references

Al Zubarah Class **FCX30**



FC X SERIES



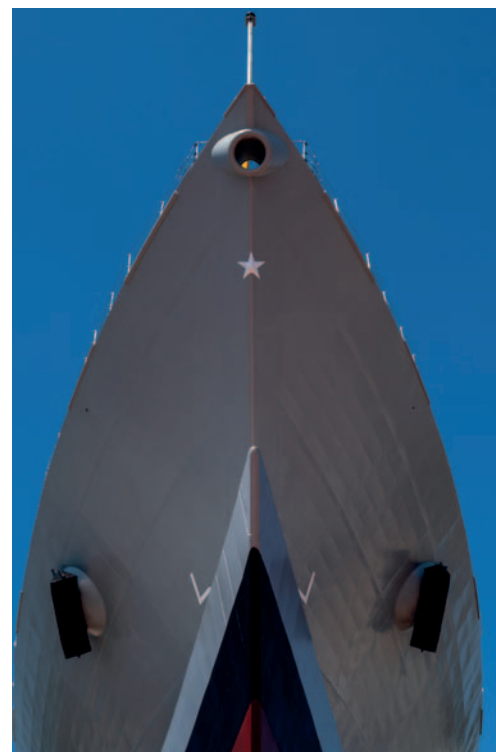


FINCANTIERI NAVAL VESSELS

a constant evolution through innovation

— Increasingly challenging performance, increasingly complex scenarios. In such a framework, Fincantieri can boast a history in the field of naval vessels of 2,000 units built over 230 years. An excellence that today allows us to be a reference partner for numerous international contractors, including the Italian Navy and the U.S. Navy, to whom we supply the complete whole warship system and logistical support. Few other operators can design and build a broad product portfolio like we do, from surface combatant ships to auxiliary and special ships, and even submarines. Thanks to our engineering and prototyping capabilities, we melt tailor-made solutions, according to the customer's specific requirements, with well-proven products, having high operating and cost optimized standard. We have a proven experience as a Prime Contractor, managing the full life-cycle from design through to construction, logistical support and after-sales assistance.

Excellence and reliability every day, in every way, everywhere.





the concept:
high customization
for every scenario

Elegant and traditional Fincantieri has launched its new powerful FCX Naval Ships Series, a wide range of high technology products for pure satisfaction of their owners. Fincantieri merges the reliability of the well-proven experience with the ultimate naval innovations, giving rise to a reconfigurable, flexible and reliable product that guarantees an incomparable strategic advantage over competing ships, making FCX series a class apart. In a global market, the possibility of reconfiguration, operational flexibility and the ability to be a modern and reliable ship become characteristics that guarantee FCX series naval units a worth value. Our experience and reliability as global partner from Patrol Boat up to Frigates can be attest due to all vessels designed in our engineering department and built in our shipyards, that have been successfully delivered in time respecting customer budget, and now brilliantly on the sea. Technical design is carried out through a careful and deep analysis of all systems on board, optimized

and thought to be of last generation type. Conceived and designed for a challenging environment, according to the highest technological levels, class standard and high resilience concept, these naval combatants cover displacement from FCX07 to FCX40 product, with extraordinary survivability capabilities, always maintaining the elegant style of the Made in Italy quality and excellence. As an important feature, integration of unmanned system has become reality from FCX15 to FCX40 ship series. This could allow the vessel to extend their missions thanks to drones capability, ensuring flexibility in all scenarios. Available in combat or patrol variant in accordance with customer needs, through hi-tech key features to improve ship capabilities, each FCX design can be adaptable following client wishes and operational needs, keeping always as reference well-proven solutions as per Fincantieri long experience through years in design and shipbuilding.



FCX series, a new approach to asset performance management

Each FCX ship has been designed from the outset to include following main features, considered fundamental for the future of the sea.

_ CYBER SECURITY

Featured as cyber resilient ships, secure by design, FCX series guarantee a high level of protection from cyber threats, thus could grant an important and strategic advantage over competitor ships.

_ HEALTH & SAFETY

Fincantieri design considers human value as the highest important worth, for this reason each FCX vessel is thought from the early-stage design phase having in mind personnel safety and health in all aspects of operational missions during peace or war time.

_ GREEN and ENVIRONMENTAL FOOTPRINT

The new design has been focused on an enhanced ship efficiency from an hydrodynamic point of view, thus permitting reduced CO₂ emission. Each FCX successfully fulfils applicable rules to minimize environmental footprint. Moreover, hybrid electrical propulsion configuration is mostly available as alternative of mechanical traditional one.

FCx07



FAST ATTACK MISSIONS

FCx15



SEAWORTHINESS EXCELLENCE

FCx20



ADVANCED TECHNOLOGY

FCx30



FIRST LINE SHIP SURVIVABILITY

FCx40



NAVAL SUPREMACY

from 07 to 40,
a scale of great
performances



— **Powerful vessel** in accordance with Customer wishes: fast attack missions design with **strong warfare** and **stealth capabilities** in a combatant version, **flexible** patrolling design for coast guard and sea lines defense operation; drawn from Fincantieri design experience to accomplish different missions on **well-proven** and **reliable** hull forms.

— Ship design for **excellent seaworthiness** characteristics in combination with **high performances** and **strong warfare capabilities**. Vessel architecture and hull forms derived from **Fincantieri experience** on Corvettes well-proven design and construction. Minimized manning demand for **wide range missions**, combined with operational flexibility to be shaped in accordance to Customer wishes.

_ main characteristics

Length overall.....63 m
Moulded breadth.....9.2 m
Moulded depth.....5.65 m
Displacement.....abt. 700 t
Speedover 30 kn
Range at 15 kn.....2000 nm

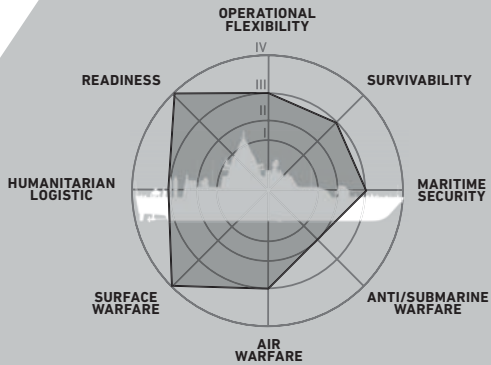


_ key features

COMBAT	PATROL
Heaviest combat system	Helo + n.3 RHIBS
Fast attack missions	Cargo/Antipollution arrangement
Four propellers configuration	Two propellers configuration

_ main missions

COMBAT	PATROL
Anti Air Warfare	EEZ protection
Anti Surface Warfare	Search and rescue
EW & Naval Gun Support	Convoy escort



_ main characteristics

Length overall.....88 m
Moulded breadth.....12.2 m
Moulded depth.....8.0 m
Displacement.....abt. 1500 t
Speedover 25 kn
Range at 14 kn.....4000 nm

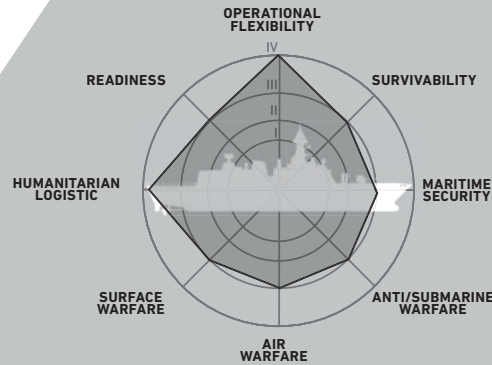


_ key features

COMBAT	PATROL
Retractable hangar	Retractable hangar
NBC citadel & pre-wetting	Modular area for containers
Excellent sea-keeping performances	N.2 x 7.5 m RHIBS

_ main missions

COMBAT	PATROL
Anti Submarine Warfare	Maritime Security
Anti Surface Warfare	Intelligence operations
EW & Self Defence	Constabulary Operation





— **Higher redundancy** level in a modern and advanced technological design. Ship naval architecture and optimized vessel performances for wide extended ranges, together with **excellent flexibility and readiness** in all operating conditions. FCX20 can ensure great capabilities in **all warfare domains**, in accordance to Customer needs and designated missions.

— **High survivability level** through propulsion and power generation configuration and redundancy, together with main systems distribution on board to **minimize Ship vulnerability**. Extended area and **anti-ballistic missile defense** capabilities combined with last generation technology allow FCX30 to be in the **first line Ship range**.

_ main characteristics

Length overall.....95 m
Moulded breadth.....14.2 m
Moulded depth.....8.4 m
Displacement.....abt. 2300 t
Speedover 25 kn
Range at 14 kn.....4500 nm

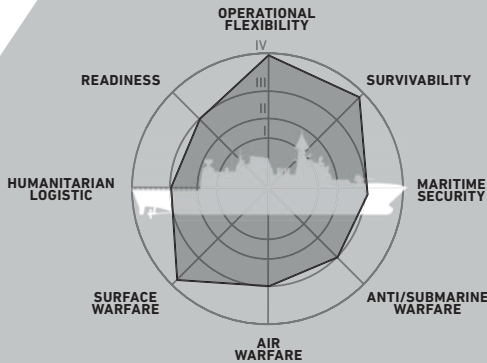


_ key features

COMBAT	PATROL
Fixed hangar for Helo + UAV	Fixed hangar for Helo + UAV
Improved survivability	Modular area for mission containers
Designed for long range operations	Oil pollution control & recovery equipment

_ main missions

COMBAT	PATROL
All Warfare domains	Maritime Security
Sea Control	Humanitarian aid and disaster relief
Special Operation Forces	Surveillance and Protection



_ main characteristics

Length overall.....107 m
Moulded breadth.....14.7 m
Moulded depth.....8.6 m
Displacement.....abt. 3200 t
Speedover 29 kn
Range at 15 kn.....5000 nm

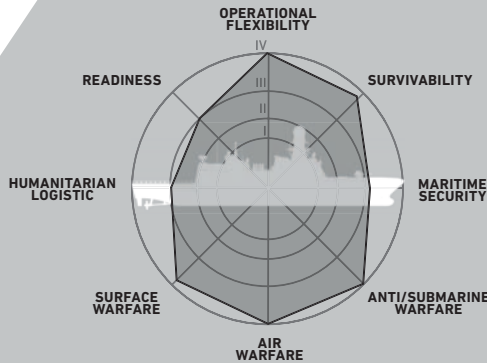


_ key features

COMBAT	PATROL
First line ship survivability	Multipurpose configuration
Digital & Twin Ship	Strategic maritime defence capability
Redundancy & Seaworthiness	Special forces RHIBs

_ main missions

COMBAT	PATROL
Master of all warfare domains	Maritime Counter-Terrorism
Tactical Ballistic Missile defense	Interdiction support
Extended interoperability	Counter Piracy Operation





— **Unreachable survivability** capabilities in the worldwide competitor market provide FCX40 a significant tactical advantage in both open crisis and peaceful time mission profile. **Quick and easy damage control** with reduced manning request, combined with masterly characteristics in **all warfare domain** featuring as first line Ship class.

_ main characteristics

Length overall.....	120 m
Moulded breadth.....	17 m
Moulded depth.....	9.5 m
Displacement.....	abt. 4300 t
Speed	over 28 kn
Range at 15 kn.....	5500 nm

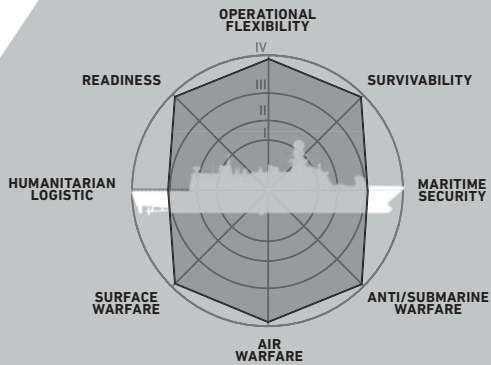


_ key features

COMBAT	PATROL
Naval Supremacy	First Line of Defence
Unreachable survivability level	UxV Launch & Recovery systems
Modularity & Flexibility	Modularity & Flexibility

_ main missions

COMBAT	PATROL
Master of all warfare domains	Maritime strike
Naval gun support & land attack	Intelligence Operations
Strategic tool to lead naval operations	Constabulary activities



FCx series references

Sirio Class FCx15



Falaj2 Class FCx07



Musherib Class FCx07



Dost Class FCx15



FCX series references

