

FFG(X)

GUIDED MISSILE FRIGATE OF THE FUTURE

- **U.S. Tough:** Producing a great ship by ensuring it is designed to best support our Sailors providing the foundation for all Combat Systems requirements today, with margin and adaptability for future needs.
- **Demonstrated Innovation:** Parent design operating in Allied Navies with more than five years of fleet operations. Human Factors approach ensures optimized operational efficiency at every watchstation.
- **Condition Based Maintenance:** The Sailors' workload is reduced by 50% through our FFG(X) design that leverages artificial intelligence (AI) to support condition based maintenance. This reduces unnecessary maintenance and provides the crew a real-time understanding of maintenance needs and materiel conditions. This also increases Operational Availability (Ao).
- **Safety:** Bridge is designed using human factors to improve situational awareness and watch stander performance.
- **Habitability:** Enhanced accommodations increases quality of life, comfort, and rest; which contributes to the crew's operational effectiveness. Our design replaces outdated 30+ person bunkrooms with staterooms of no more than six Sailors, and each stateroom has its own toilet and sink.
- **Flexible Hybrid Engineering:** Provides energy efficient diesel power generation for propulsion at normal steaming speeds while contributing greatly to anti-submarine capability in an extremely quiet diesel-electric configuration.

FINCANTIERI MARINETTE MARINE

This U.S.-adapted guided missile frigate, based on the operationally proven FREMM, represents the most capable and modern frigate in the world. It delivers needed capabilities to the U.S. Navy with enhanced lethality, survivability, safety, maintainability, habitability, and cybersecurity.



Length overall	496 ft.
Beam overall	65 ft.
Propulsion	CODLAG
Sustained Speed	26+ kt

Economic speed (electric mode)	16+ kt
Auxiliary speed (bow thruster)	5 kt
Range at 16 kt (electric mode)	6,000+ nm
Total accommodation	200

Fincantieri Marinette Marine is leveraging the proven parent design of the FREMM to meet and exceed U.S. Navy standards using the best materials available in the U.S.—built in the Midwest by America's best shipbuilders.