



# Guided Missile Frigate (FFG 62)



## Sea-Air-Space

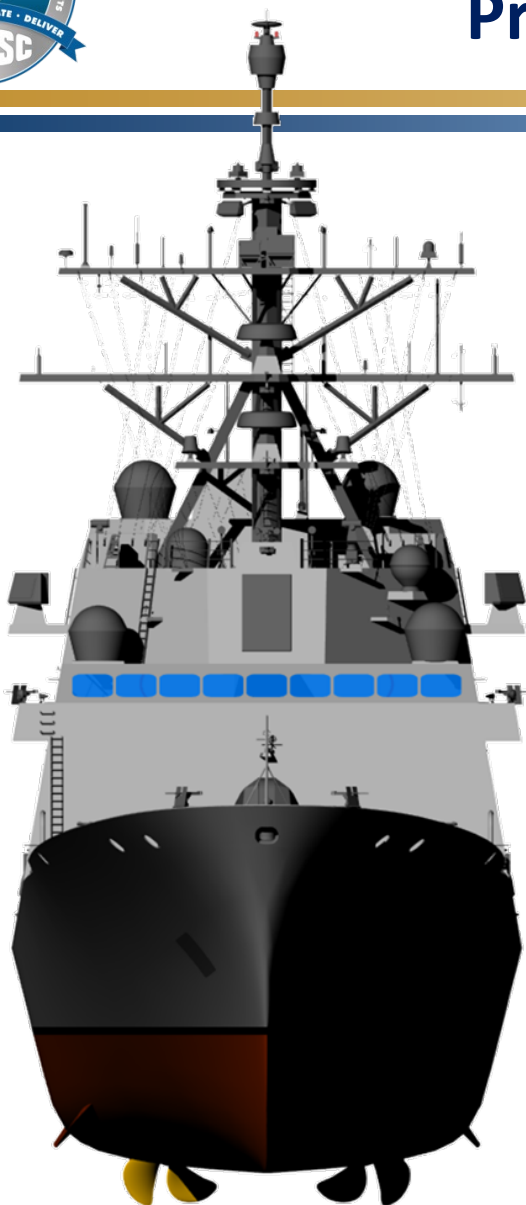


CAPT Kevin Smith

August 2-6, 2021



# Guided Missile Frigate (FFG 62) Program Description



## Description:

FFG 62 is an agile, multi-mission platform designed for operation in littoral and blue water environments

## Mission:

Anti-Submarine Warfare (ASW), Surface Warfare (SUW), Air Warfare (AW), and Electromagnetic Maneuver Warfare / Information Operations (EW/IO)

## Employment:

Operate independently or integrated with a Task Force to conduct offensive and defensive, Anti-Submarine, Surface and Air Warfare



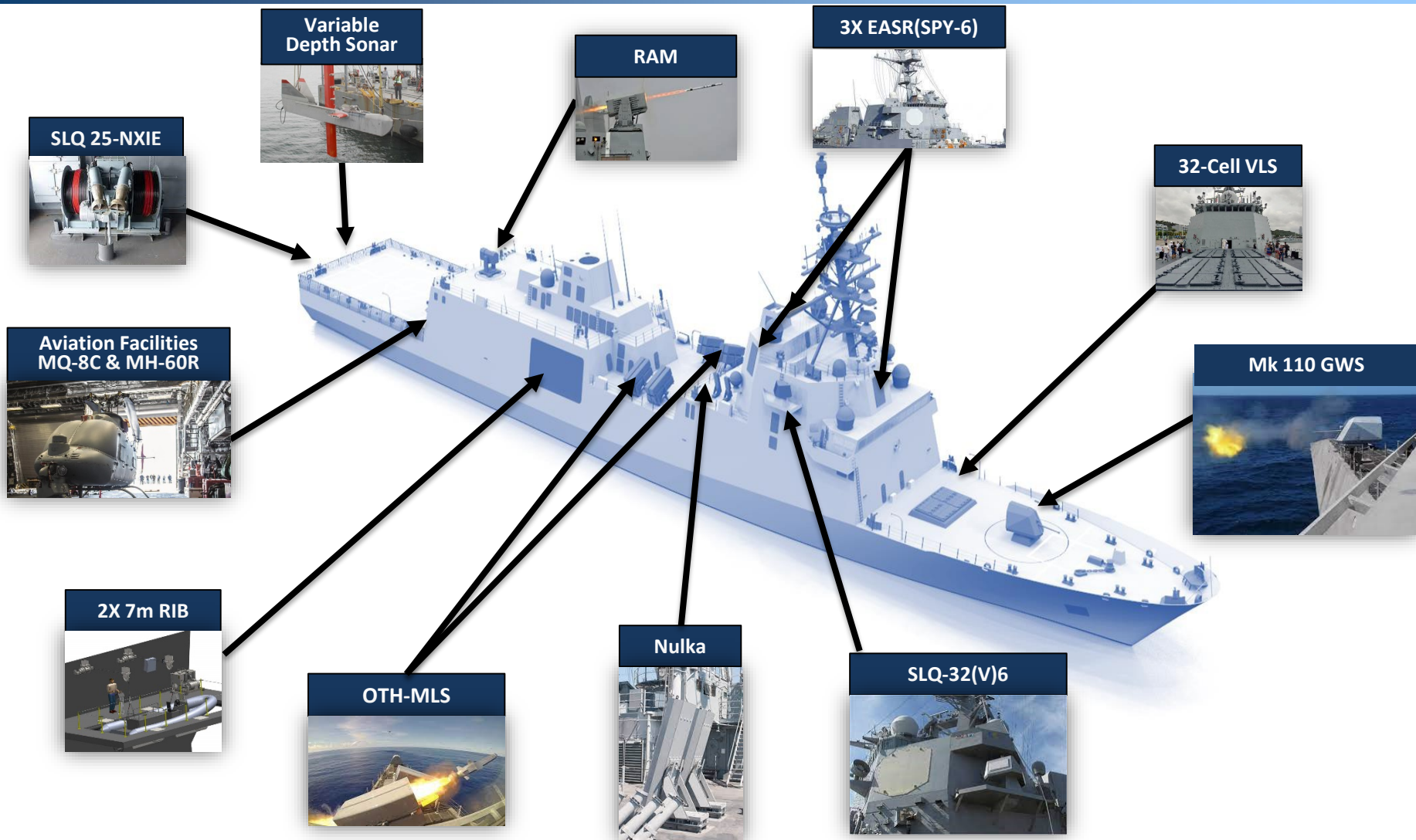
# Program Status

- U.S. Navy awarded the FFG 62 Detail Design & Construction Contract to Fincantieri Marinette Marine (FMM) on 30 April 2020 and exercised the option for the second ship, FFG 63, in May 2021
- Joint Navy-Industry team is focused on completing detail design and conducting the Critical Design Review for FFG 62
- Joint Navy-Industry team is preparing for the Production Readiness Review (PRR) and start of Lead Ship Construction in FY22
- FMM on schedule with CAPEX investments to support FFG 62 production
- U.S. Navy is developing a Land Based Engineering Site to test the propulsion plant, an FY 2021 NDAA requirement





# FFG 62 Class Warfighting Capabilities







# Fincantieri Marine Group Capital Improvements Underway



## Marinette Marine

- Automated panel line
- Preparation & blast paint facility
- Module/grand module construction facility
- Final hull erection & outfitting facility
- Shiplift



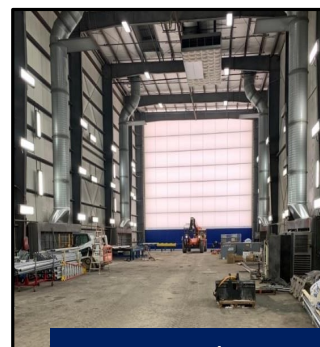
Shiplift



Hull Erection Facility  
180,000 SF dual-bay facility

## Bay Shipyard

- Steel processing & fabrication facility for Naval Vessels
- Module/super construction & hull erection facility



Module/Super Construction and Erection Facility  
90,000 SF dual-bay 12 workstation facility



# Incorporation of Lessons Learned

- **FFG 62 program incorporated many lessons learned from DDG 51 Flight IIA, DDG 51 Flight III, DDG 1000 and LCS:**
  - Parallel versus serial requirements evaluation process
  - Industry involvement upfront
  - Continuous and collaborative stakeholder engagement
  - Use of a parent design
- **FFG 62 will be outfitted with a Government Furnished Equipment (GFE) combat system suite and incentivizes use of fleet common Hull, Mechanical & Electrical equipment to minimize risk and avoid delays**

DDG 51 Flt I 1991    DDG 79 Flt IIA - 2000  
DDG-72 Flt II - 1998    DDG 125 Flt III – FY23



Strike/AAW/ASW/ASUW

DDG 1000 - 2016



LCS 1 - 2008



LCS 2 - 2010



FFG 62



# Land and At-Sea Integration Testing

## C4I



## HM&E



## Combat Systems



## Aviation







# FFG 62 Crew Training Plan

- **FFG Squadron 1 @ NAVSTA Everett**
  - Homeport for first 12 FFGs and 24 Crews
  - **Single-Crew to Start**
    - Blue crews two years prior to delivery
    - Deployments in FY30 and FY31
    - Training Approach
      - *Traditional Pipeline Training*
      - *PQS onboard; Crew Certs onboard*
      - *Afloat Training Group until Frigate Training Facility (FTF) is ready*
  - **Blue / Gold Crew**
    - Frigate Support Facility (FSF) and FTF
    - Train-to-Qualify (T2Q), Train-to-Certify (T2C), Train-to-Sustain (T2S) Start – FY31
    - First B/G Deployment ~Q1 FY32







# Strong Shipbuilding Tradition



In honor of the original six heavy frigates that our great nation started to build in 1794, the Secretary of the Navy named the first three ships in the class as:

**USS CONSTELLATION (FFG 62)**  
**USS CONGRESS (FFG 63)**  
**USS CHESAPEAKE (FFG 64)**

**FFG 62 class is the continuation of a strong 200 year tradition of building frigates**



# FFG 62 Class

## An Exciting Year Ahead



- Design Maturity and production planning for lead ship construction start on track
- CAPEX is on schedule at Marinette Marine and Bay Shipbuilding to support FFG 62 production
- Navy-Industry team is preparing for the Production Readiness Review and start of Lead Ship Construction in FY22

