



USS McFAUL (DDG 74)

Guided Missile Destroyer

Homeport: Norfolk, Virginia

www.mcfaul.navy.mil

USS McFAUL's mission is to conduct prompt, sustained combat operations at sea, in support of national policy. She is equipped to operate in a high-density, multi-threat environment as an integral member of a carrier battle group or Surface Action Group (SAG).

In addition to her own self-defense capabilities in Air Warfare (AW), Undersea Warfare (USW), Surface Warfare (SUW), McFAUL can effectively provide local area protection to the battle group, surface action group, and other ships. McFAUL is equipped with the world's most sophisticated weapon system. She has the AN/SPY-1D Phased Array Radar, which incorporates significant advances in the detection capabilities of the AEGIS Weapons System, particularly in its resistance to enemy Electronic Counter-Measures (ECM). Using the SPY-1D and her MK 99 Fire Control System, McFAUL can guide her vertically-launched Standard Missiles to intercept hostile aircraft and missiles at extended ranges. To provide point defense against hostile air targets, McFAUL is equipped with the Block 1 upgrade to the Phalanx Close-In-Weapons System (CIWS)

McFAUL is also equipped with the Navy's latest SUW Combat Systems. Land attack cruise missile capability is provided by Tomahawk Missiles, which are launched from her Mark 41 Vertical Launching System (VLS). Her shorter range Harpoon Anti-Ship Cruise Missiles have a range in excess of 65 nautical miles which are fired from stand-alone launchers. The 5"/54 Caliber Gun, in conjunction with the Mark 34 Gun Weapon System, is an anti-ship weapon which can also be used for close-in air contacts or to support forces ashore with Naval Surface-Fire Support (NSFS).

Finally, McFAUL's AN/SQQ-89 integrated USW Suite is the most advanced anti-submarine warfare system in the world today. The AN/SQR-19 Tactical Towed Array SONAR (TACTAS) provides extremely long-range passive detection of enemy submarines, and the AN/SQS-53C Hull-Mounted SONAR is used to actively and passively detect and locate submarine contacts. McFAUL also has the capability to land the SH-60B LAMPS Mark III Helicopter, which can link to the ship for support in the anti-submarine operations, as well as conducting over-the-horizon targeting missions. These systems are supplemented by the AN/SLQ-32V(3) Electronic Warfare Suite, which includes passive detection systems, decoy countermeasures and an active jamming capability.

Powered by four quick-response General Electric LM-2500 Gas Turbine Engines coupled to two Controllable-Reversible Pitch (CRP) Propellers, McFAUL has tremendous maneuverability, and a top speed in excess of 30 knots. Her expert engineers also provide the ship with electricity, fresh water, heating and air conditioning facilities. McFAUL matches maximum survivability with her potent offensive capability.

In the ARLEIGH BURKE Class, all-steel construction is used. Extensive top-side armor is placed around vital combat systems and machinery spaces. A comprehensive Collective Protection System guards against nuclear, chemical, or biological agents. State-of-the-art propulsion and damage control systems are managed by an all-new data multi-plexing system. Home to a crew of over 330, McFAUL has most services associated with a small town at sea, including dining, banking, ATM, laundry, post office and shopping

SHIP'S SPECIFICATIONS:

GENERAL

Length - 505.5 feet
Beam (Maximum)- 66.5 feet
Speed: 30+ knots
Draft (Navigational)- 32.5 feet
Displacement- 8,900 tons full load
Complement- 30 Officers/300 Enlisted

ENGINEERING

Propulsion: 4 LM2500 Marine Gas Turbine Engines, 100,000 Shaft Horsepower
3 Allison 501-K34 Model 9140 Gas Turbine Generators (2500KW each)
Electrical:
Services: 4 Air Conditioning Plants
2 Reverse Osmosis Water Desalination Units (12,000 gallons per day)

SENSORS

AN/SPY-ID Radar
AN/SPS-67(V) 3 Surface Search Radar
AN/SPS-64(V) 9 Surface Search Radar
AN/SRQ-4 Data Link
AN/SQR-19B(V) 1 Tactical Towed Array Sonar System
AN/SQS-53C(V) 1 Sonar
AN/SQQ-28(V) LAMPS III Shipboard Electronics

WEAPONS

MK45 MOD 2 5"/54 Caliber Gun
MK41 MOD 2 Vertical Launching Systems (Total of 90 cells containing Standard Missiles, Tomahawk Cruise Missiles, Vertically Launched ASROC)
2 MK 141 Guided Missile Launchers (Harpoon Anti Ship Missiles)
2 MK15 MOD 12 Phalanx Close In Weapons Systems (CIWS)
2 MK32 MOD 15 Triple Torpedo Tubes (MK46/MK50 Torpedoes)

AIRCRAFT

LAMPS MK III Helicopter

Keel Laid: January 26, 1996

Christened: January 25, 1997

Commissioned: April 25, 1998