



Commander, Naval Surface Force, Atlantic

www.cns1.surfor.navy.mil

U.S. NAVY



USS BAINBRIDGE (DDG 96)

Guided Missile Destroyer

Homeport: Norfolk, Virginia

www.bainbridge.navy.mil

BAINBRIDGE's mission is to be prepared to conduct prompt, sustained combat operations at sea in support of national policy. The ship is designed to operate independently or as part of surface, expeditionary or aircraft carrier strike groups in extreme air, surface and undersea threat environments.

To accomplish this, BAINBRIDGE's crew uses a variety of sensors to detect, classify and track hundreds of potential targets simultaneously in the air, on the surface and under the sea. To engage and destroy hostile targets, the ship is outfitted with the most lethal arsenal ever put to sea consisting of surface-to-air and surface-to-surface missiles, torpedoes, 5" gun, rapid fire close-in-weapon systems, and electronic jammers and decoys.

BAINBRIDGE's Combat System is the most technologically advanced in the world, capable of projecting power both at sea and ashore with precise and lethal accuracy. A key component to the ship's arsenal is the Aegis Weapon System. Aegis consists of a number of sub-systems that include the ship's primary air radar, the AN/SPY1D, and the Standard Missile (SM). These two components, along with seven other fire control, command, decision, and training elements compose the most effective anti-air warfare system in the world. Capable of tracking hundreds of contacts simultaneously, Aegis can engage multiple threats at maximum range without any operator intervention. In addition to Aegis, BAINBRIDGE is outfitted with a single 5"/62 caliber gun mount able to accurately fire 16-20 rounds a minute to ranges in excess of 13 miles. The ship's Sonar Suite is capable of detecting, tracking, identifying, and engaging multiple submerged threats independent from other non-related engagements being conducted by the rest of the Combat System. BAINBRIDGE also features a remote mine hunting vehicle. Mines were the culprits in 14 of the 18 U.S. Navy ships damaged or destroyed in conflicts since 1950. Once launched from the host ship, the remote controlled vehicle deploys a towed variable depth sensor designed to detect, localize, classify and identify moored and bottom mines in deep and shallow water. The remote mine hunting vehicle can search for mines autonomously along a pre-programmed track, or can be controlled manually in real-time from the host ship by a single operator. All control and display functions are integrated with the ship's AN/SQQ-89 undersea warfare combat system, with mine contact data linked to the Aegis combat system. All this firepower is useless though without the ability to take the fight to the enemy; therefore, BAINBRIDGE is powered and driven by the most sophisticated engineering plant afloat. At the touch of a button, all four of the ship's General Electric LM2500 Gas Turbine Engines come to life, providing the ship with over 100,000 shaft horsepower. Three smaller, Allison 501-K34 Gas Turbine Generators provide the ship with enough electrical power to operate everything. The engineering plant incorporates a complex damage control system that uses automation and human operators to maintain a safe ship and manage damage control assets. As a Flight IIA Aegis Destroyer, BAINBRIDGE has a helicopter hangar and the upgraded baseline 6.1 Aegis Combat System. The ship also has a missile capacity of 96 missiles, features the Kingfisher Mine Detection System, and possesses a stern sheet trim tab designed to allow

SHIP'S SPECIFICATIONS:

GENERAL

Length - 510 feet
Beam (Maximum)- 66 feet
Speed: 20+ knots
Draft (Navigational)- 33 feet
Displacement- 9,180 tons full load
Complement 28 officers 275 enlisted
Marine Detachment: 900+

SENSORS

AN/SPY-1D 3-D Search/Track Radar
AN/SPS-64(V) 9 Surface Search Radar
AN/SLQ-32 Electronic Warfare System
Sonobuoy Sensor Processing System
AN/SPS-67(V) 3 Surface Search Radar
AN/SQS-53C(V) 14 Hull Mounted Sonar
AN/SQQ-28(V) 10 LAMPS MK III

WEAPONS

1-MK45 MOD 1 5"/62 Gun
2 MK 41 Vertical Launch System
Evolved Sea Sparrow
Vertical Launch ASROC
Standard & Tomahawk Missiles
2-MK-32 Mod 14 Torpedo Tubes
MK 46 and MK 50 Torpedoes
MK-53 Decoy Launching System
Super Rapid Blooming Chaff

ENGINEERING

Propulsion: 4 LM2500 Marine Gas Turbine Engines, (100,000 Shaft Horsepower)
3 Rolls Royce 3000 kW Gas Turbine Generators, 2 Shafts with CRP (Controllable Reversible Pitch) Propellers
Electrical:
Services:

AIRCRAFT

Keel Laid: May 7, 2003

Christened: October 30, 2004

Commissioned: November 12, 2005