



Commander, Naval Surface Force, Atlantic

www.cns1.surfor.navy.mil

U.S. NAVY



USS ROOSEVELT (DDG 80)

Guided Missile Destroyer

Homeport: Mayport, Florida

www.ddg-roosevelt.navy.mil



USS Roosevelt's mission is to be prepared to conduct prompt, sustained combat operations at sea in support of national policy. She must as well be capable of operating within a Carrier Strike Group (CSG) and Expeditionary Strike Group (ESG) in extreme threat environments, providing primary anti-air protection for the ships within that Strike Group. To accomplish this, Roosevelt utilizes her various sensors to detect, classify and track hundreds of potential targets simultaneously in the air, on the surface and under the sea.

Roosevelt's Combat System is the most technologically advanced in the world, capable of projecting power both at sea and ashore with precision and deadly accuracy. A key component to the ship's ability to perform its mission is the Aegis Weapon System (AWS). AWS 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 7 other fire control, command and decision, and training elements compose the most effective air defense system in the world. Capable of tracking hundreds of contacts simultaneously, the AWS can engage multiple threats at maximum range without any operator intervention.

In addition to the AWS, Roosevelt is outfitted with a single 5"/54 caliber dual purpose gun mount able to accurately fire 16-20 rounds a minute to ranges in excess of 13 miles. For point defense, Roosevelt's two 20mm Close-in Weapon Systems (CIWS) are capable of firing 4500 rounds a minute to exasperate and extinguish an inbound threat at close range. The ship's Sonar Suite is capable of detecting, tracking, identifying, and engaging multiple submerged threats. All this firepower is useless though without the ability to take the fight to the enemy; therefore, Roosevelt 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 shp. Three smaller, Allison 501-K34 Gas Turbine Generators provide the ship with enough electrical power to operate everything onboard. Incorporated in the engineering plant is a complex damage control system that utilizes automation and human operators to maintain a safe ship and manage damage control assets.

As the first Flight IIA Aegis Destroyer, Roosevelt looks and performs quite differently than previous ships in the class. The addition of a helicopter hangar and the upgraded baseline 6.1 Aegis Combat System are two of the most significant –modifications. Other alterations include: raised aft facing AN/SPY-1D arrays, increased missile capacity from 90 to 96 missiles, inclusion of a Recovery, Assist, Securing, and Traversing (RAST) System to assist in the recovery of SH-60 helicopters during inclement weather and high sea states, Kingfisher Mine Detection System, and the addition of a stern sheet trim tab hydrostatically designed to allow Roosevelt to travel at higher speeds with less engineering plant output.

It is the Officers and Crew of Roosevelt that make her the finest ship in the Fleet. The crew is comprised of highly trained, highly motivated professionals committed to excellence and devoted to serving their country. As a unified team, the crew of the Roosevelt are ready now to meet any threat to our nation by another unfortunate enough to dare our skill, conviction, and resolve.

SHIP'S SPECIFICATIONS:

GENERAL

Length - 509.5 feet
Beam (Maximum)- 66.4 feet
Speed: 30+ knots
Draft (Navigational)- 32.5 feet
Displacement- 9600 tons full load
Complement- 362 Sailors

ENGINEERING

Propulsion: 4 LM2500 Marine Gas Turbine Engines, 100,000 Shaft Horsepower
3 Allison 2500 kW Gas Turbine Generators
Electrical:
Services:

SENSORS

AN/SPY-1D 3D Air Search/Track Radar
AN/SPS-67 Surface Search Radar
AN/SPS-73 Surface Search Radar
AN/SQS-53C Hull Mounted Radar
AN/SQQ-28 LAMPS III Shipboard Electronics
AN/SLQ-32A(V)3
AN/SLQ-25A NIXIE Torpedo Countermeasure
MK36 MOD 18 Decoy Launching System
AN/SRS-1-V9 Combat Direction Finding System
AN/SPY-1D Radar
MK99 MOD3 FCS (Illuminators)
MK116 MOD7 Underwater Fire Control System
ATWCS Advanced Tomahawk Weapon

WEAPONS

MK96 with 25mm/40mm Stabilized Gun
MK45 Snake Eyes with MK19 Grenade Machine Gun

AIRCRAFT

N/A

Keel Laid: December 15, 1997

Christened: January 23, 1999

Commissioned: October 14, 2000