



Commander, Naval Surface Force, Atlantic

www.cns1.surfor.navy.mil

U.S. NAVY



USS ROSS (DDG 71)

Guided Missile Destroyer

Homeport: Norfolk, Virginia

www.ross.navy.mil

USS ROSS' 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 Strike Group, Expeditionary Strike Group (ESG) or Surface Action Group (SAG).

In addition to the ship's self-defense capabilities in Air Warfare (AW), Undersea Warfare (USW), Surface Warfare (SUW), ROSS can effectively provide local area protection to a strike group, surface action group, and other ships. ROSS 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 the MK 99 Fire Control System, ROSS can guide vertically-launched Standard Missiles to intercept hostile aircraft and missiles at extended ranges. To provide point defense against hostile air targets, ROSS is equipped with the Block 1 upgrade to the Phalanx Close-In-Weapons System (CIWS).

ROSS 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 the ship's Mark 41 Vertical Launching System (VLS). ROSS also has shorter range Harpoon Anti-Ship Cruise Missiles with a range in excess of 65 nautical miles; these 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, ROSS' 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. ROSS also has the capability to land the SH-60B LAMPS Mark III Helicopter, which can link to the ship for support in 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, ROSS has tremendous maneuverability and a top speed in excess of 30 knots. The ship's expert engineers also provide the ship with electricity, fresh water, heating and air conditioning facilities. ROSS matches maximum survivability with potent offensive capability.

Home to a crew of more than 300, ROSS has most services associated with a small town at sea, including dining, banking, ATM, laundry, post office and shopping facilities, over 10,000 line items of spare parts, and a barber shop. A marvel of modern technology and engineering, ROSS is a powerful instrument of peace in the service of our nation, capable of sustaining herself at sea for

SHIP'S SPECIFICATIONS:

GENERAL

Length - 505.5 feet
Beam (Maximum)- 66.5 feet
Speed: 30+ knots
Draft (Navigational)- 32 feet
Displacement- 8,900 tons full load
Complement- 30 officers/300 enlisted

ENGINEERING

Propulsion: 4 LM2500 Marine Gas Turbine
100,000 Shaft horsepower,
Electrical: 3 Allison 501-K34 Model 9140 Gas
Turbine Generators (2500KW each)
Services: 4 Air Conditioning Plants, 2 Reverse
Osmosis Water Desalination Units
(24,000 gallons per day capacity)

SENSORS

AN/SPY-ID Search and Track Radar
AN/SPS-67(V)3 Surface Search Radar
AN/SPS-64(V)9 Surface Search Radar
AN/SQ5-19B(V)1 Tactical Towed
Array Sonar System
AN/SQS-53C(V)1 Sonar
AN/SQQ-28(V)2 Lamps III Shipboard
Electronics

WEAPONS

MK 45 MOD 1 5"/54 Caliber Gun Mount
MK 41 Vertical Launching System (Total of
90 cells containing Standard Missiles,
TOMAHAWK Cruise Missiles, or Vertically
Launched ASROC)
2 MK 141 Guided Missile Launchers
(HARPOON Anti Ship Missiles)
2 MK 15 MOD 12 Phalanx Close in Weapons
Systems
2 Mk 32 MOD 14 Triple Torpedo Tubes (MK
46/MK 50 Torpedoes)

AIRCRAFT

SH-60 Lamps MK III Helicopter

Keel Laid: April 10, 1995

Christened: March 22, 1996

Commissioned: June 28, 1997