

USS Bainbridge Quick Facts

Ship Type:	Guided Missile Destroyer
Class:	Arleigh Burke
Commissioned:	Nov. 12, 2005
Homeport:	Norfolk, Va.
Length:	509 1/2 feet (155.29 meters)
Beam:	59 feet (18 meters)
Displacement:	8,230 - 9,700 tons
Draft:	31 feet (9.4 meters)
Speed:	>30 knots (56 km/h)
Manning:	329 officers and enlisted
Motto:	<i>Competence, Dedication, Discipline</i>
Aircraft Carried:	SH-60/MH-60 Sea Hawk helicopters

About the Bainbridge

The USS Bainbridge (DDG 96) is the U.S. Navy's 46th Arleigh Burke-class guided missile destroyer. The ship was named in honor of Commodore William Bainbridge, who was commander of the frigate USS Constitution during the War of 1812.

USS Bainbridge, along with other ships, helped rescue *M/V Maersk Alabama* Capt. Richard Phillips, who had been captured by Somali pirates.



USS Bainbridge (DDG 96)

Environmental and Energy Highlights

Energy Facts

- Engineering operational procedures modified in January of 2016 to allow **more efficient use of ship air conditioning systems**.
- **Top performing Energy Conservation ship** for 4th quarter of 2015 and in top five all of Navy performing vessels worldwide for Fiscal Year 2015.
- Shipboard oil waste and CHT received the **highest level of readiness ratings possible**.
- **LED lighting** improves quality of light and **Stern flap** improves fuel economy.
- **All fuel transfers completed with zero** spills or incidents.
- **Traveled at most efficient speeds** when transiting between operational areas, thereby saving fuel.
- Actively supported periodic **underwater hull cleanings**, saving up to 18 percent fuel while underway.
- Used simulators and other onboard training equipment to eliminate dozens of underway days, thereby **reducing shipboard power plant use**.
- Educated crew members on **energy efficiency best practices** (quick showers, thermostat settings, ventilation maintenance).
- Incorporated an energy conservation instruction in the engineering department's organization and regulations manual. The manual is **required quarterly reading for all engineering department personnel**.
- **Posted energy efficiency reminders** in various locations throughout the ship to reinforce best practices and reduce energy use.
- Employed digital fuel controls on gas turbine engines, allowing precise **automated metering of fuel** with fewer manual actions to maintain optimal fuel burn rate.

Environmental Facts

- Plastic waste processors compress and melt shipboard-generated plastic waste into **dense disks suitable for long-term storage**.
- Plastic shredders **shreds plastic into small pieces** prior to placing into the plastic waste processor.
- Food, paper, cardboard, metal and glass are **processed in a safe, environmentally sound and compliant manner** with onboard equipment.
- Paints, solvents and other chemicals needed for maintenance are **managed via a strict inventory control system**.
- Oil water separators and other oil pollution abatement systems **help keep oil out of the ocean**.
- Tributyltin-free coatings on ship's hull and propellers **reduce drag from biofouling organisms**.
- Ship lookouts are **trained to spot whales and sea turtles**, and will alert the ship to change course if needed to **avoid collisions with marine life**.

