

THE VIRGINIA-CLASS

AMERICA'S TOP FAST ATTACK SUBMARINES

Using expertise gained from more than half a century, **NEWPORT NEWS SHIPBUILDING** and **GENERAL DYNAMICS ELECTRIC BOAT** are constructing the most advanced submarines in the world, in high demand by the U.S. Navy and now serving on the front line of our undersea defense.

STATISTICS

REPLACES:
LOS ANGELES-CLASS

DISPLACEMENT:
APPROX. 7,800 TONS

LENGTH: 377 FEET

BEAM: 34 FEET

TOMAHAWK MISSILES, Vertical Launch tubes or large diameter payload tubes, starting on *North Dakota* (SSN 784), MK-48 torpedoes and unmanned undersea vehicles are among many of the **ADVANCED WEAPONS** of the *Virginia*-class.

The submarines have a pair of extendable **"PHOTONICS MASTS"** outside the pressure hull. Each contains high-resolution **CAMERAS** with light-intensification and infrared sensors, an infrared laser rangefinder, and more.



SILENT POWER

One **NUCLEAR REACTOR** designed to last the life of the ship quietly powers the submarine for speeds of 25+ knots (28+ mph).

MULTI-MISSION READY

- Launches **TOMAHAWK** missiles at targets ashore
- Conducts **surveillance** on both land and sea
- Detects and destroys threats to a carrier or expeditionary strike group
- Deploys Special Forces



A versatile torpedo room can accommodate a large crew of **SPECIAL OPERATIONS FORCES**

for prolonged deployments. The class includes large lock-in/lock out chambers for divers.



10,000

THOUSANDS of shipbuilders at **NEWPORT NEWS SHIPBUILDING** and **ELECTRIC BOAT** build each frame and compartment with attention to every detail.



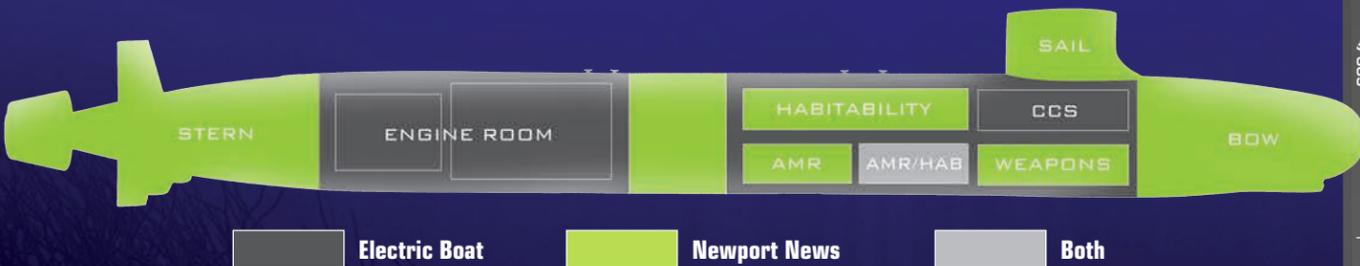
Virginia-class submarines and their crews can stay submerged for up to **THREE MONTHS** and dive in excess of **800 FEET**

MILLIONS OF PARTS come from 5,000 Suppliers across all **50 STATES.**



PARTNERS IN INNOVATION

NEWPORT NEWS SHIPBUILDING teams with **GENERAL DYNAMICS ELECTRIC BOAT** to build *Virginia*-class submarines. The design has evolved since the first *Virginia*-class boat was commissioned in 2004. These improvements have introduced advanced capabilities while cutting costs. Each shipyard builds sections of the submarine, as shown below, and collaborate on final assembly, test, outfitting and delivery.



SHIPS OF THE CLASS

USS Virginia (SSN 774) *	USS Minnesota (SSN 783) *	USS Vermont (SSN 792) *	Utah (SSN 801)
USS Texas (SSN 775) *	USS North Dakota (SSN 784) *	USS Oregon (SSN 793) *	Oklahoma (SSN 802)
USS Hawaii (SSN 776) *	USS John Warner (SSN 785) *	USS Montana (SSN 794) *	Arizona (SSN 803)
USS North Carolina (SSN 777) *	USS Illinois (SSN 786) *	Hyman G. Rickover (SSN 795)	Barb (SSN 804)
USS New Hampshire (SSN 778) *	USS Washington (SSN 787) *	New Jersey (SSN 796)	Tang (SSN 805)
USS New Mexico (SSN 779) *	USS Colorado (SSN 788) *	Iowa (SSN 797)	Wahoo (SSN 806)
USS Missouri (SSN 780) *	USS Indiana (SSN 789) *	Massachusetts (SSN 798)	Silversides (SSN 807)
USS California (SSN 781) *	USS South Dakota (SSN 790) *	Idaho (SSN 799)	
USS Mississippi (SSN 782) *	USS Delaware (SSN 791) *	Arkansas (SSN 800)	

* Construction completed and delivered to the U.S. Navy



Newport News Shipbuilding
A Division of HII

100 ft. 200 ft. 300 ft. 400 ft. 500 ft. 600 ft. 700 ft. 800 ft.