

# U.S. Navy Retrieves Artemis I Orion Spacecraft



Sailors aboard the amphibious transport dock USS Portland (LPD 27) use a line load attenuating mechanism assembly to pull the NASA Artemis I Orion spacecraft into the well deck, Dec. 11, 2022. *U.S. NAVY/ Mass Communication Specialist 2nd Class Devin Kates*

SAN DIEGO — Amphibious transport dock USS Portland (LPD 27) retrieved the Artemis I Orion spacecraft in coordination with multiple organizations including NASA, U.S. Space Command, fellow U.S. Navy ship Independence-variant littoral combat ship USS Montgomery (LCS 8), Helicopter Sea Combat Squadron (HSC 23) and Explosive Ordnance Disposal Expeditionary Support Unit (EODESU) 1, Dec. 11, Expeditionary Strike Group Three said in a release.

NASA chose to use these Navy surface ships due to their adaptable capabilities. Portland's medical facilities provide

at-sea support for ground crews and astronauts as needed, and embarked helicopters are poised to aid flight hardware recovery, conduct medical evacuation to shore and collect imagery. Portland is equipped with extensive communication suites, enabling the multi-agency landing and recovery team to talk with the flight control team in Texas and NASA's exploration ground systems team at the Kennedy Space Center in Florida.

"I am extremely proud of our team's ability to execute a historic moment in history by successfully recovering the Orion capsule," said Capt. John Ryan, commanding officer of Portland. "Each organization that participated in this mission underwent an extensive amount of training and our ability to work together as a unit demonstrates our adaptability and effectiveness as an amphibious platform."

Montgomery, a surface warfare mission package LCS, provides flexible surface warfare capabilities like 11-meter rigid-hull inflatable boats (RHIBs) that could serve as surface connectors for ship-to-ship movements, flight hardware retrieval, and to move the capsule from the sea into the ship. The ship's mission bay is large enough to store the capsule, and the flight deck can support MH-60S/R Sea Hawk helicopters or MQ-8C Fire Scouts. Montgomery was responsible for providing security in the area of operation and served as a back-up source of small boats.

"Our Navy has a long history of working with NASA spaceflight programs, and the Montgomery crew was truly honored to be a part of this historical partnership," said Cmdr. Edison C. Rush III, commanding officer of Montgomery "The successful capture of the Orion only motivates our crew to continue training and increasing our capabilities as a littoral combat ship."

Artemis I is the first integrated test of NASA's deep space

exploration systems. Artemis I is the first in a series of increasingly complex missions. It is an uncrewed flight test that will provide a foundation for human deep space exploration and demonstrate our commitment and capability to return humans to the moon and extend beyond.

“We are extremely excited to have worked with the U.S. Navy to accomplish this mission,” said Melissa Jones, NASA Landing and Recovery Director. “For years our teams have trained together for this and could not be happier with how well the recovery mission was executed.”

Portland began early morning efforts to recover the Orion capsule with the launch of four small boats and two combat rudder raiding craft. The small crafts located the capsule in the open ocean, inspected the capsule and rigged lines to the outside of the capsule to facilitate the movement toward the ship. Aboard those craft were Navy Expeditionary Combat Command’s EODESU-1 divers, who received vigorous training at NASA Johnson Space Center’s Neutral Buoyancy Laboratory. The highly trained Navy divers are proficient in open water and small boat procedures, adaptable to changing situations, excel at on-the-spot problem solving and experts at salvage and towing operations. These expeditionary capabilities make them the ideal personnel to assist in the safe recovery and transportation of the Orion capsule from the ocean to Portland’s well deck. Following the launch of the small boats, Navy and NASA personnel rigged tending lines and guided the capsule through the water to Portland. The Orion capsule was then winched into place on the Orion recovery cradle assembly aboard the ship.

Portland and Montgomery are assigned to Expeditionary Strike Group. ESG 3 comprises four amphibious squadrons, 15 amphibious warships and eight naval support elements including approximately 18,000 active-duty and reserve Sailors and Marines. As the deputy commander for amphibious and littoral

warfare, U.S. 3rd Fleet, the ESG 3 commander also oversees Mine Countermeasures Group 3 and the 14 littoral combat ships and two subordinate divisions under Littoral Combat Ship Squadron 1. ESG 3 is postured in support of U.S. 3rd Fleet as a globally responsive and scalable naval command element, capable of generating, deploying and employing naval forces and formations for crisis and contingency response, forward presence and major combat operations focusing on amphibious operations, humanitarian and disaster relief and support to defense civil authorities and expeditionary logistics.

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## **SECNAV Names Future America-class Amphibious Assault Ship Fallujah**



The amphibious assault ship USS Tripoli (LHA 7) sails with the amphibious assault ship USS America (LHA 6) during a photo



exercise in the Philippine Sea, Sept. 17, 2022. The future USS Fallujah (LHA 9) will be similar to these ships but equipped with a well deck. *U.S. MARINE CORPS / Lance Cpl. Christopher Lape*

WASHINGTON – Secretary of the Navy (SECNAV) Carlos Del Toro announced Dec. 13 that a future America-class amphibious assault ship will be named USS Fallujah (LHA 9).

The future USS Fallujah will commemorate the First and Second Battles of Fallujah, American-led offensives during the Iraq War. The name selection follows the tradition of naming amphibious assault ships after U.S. Marine Corps battles, early U.S. sailing ships or legacy names of earlier carriers from World War II.

“It is an honor to memorialize the Marines, Soldiers and coalition partners that fought valiantly and those that sacrificed their lives during both battles of Fallujah,” said Del Toro. “This namesake deserves to be in the pantheon of iconic Marine Corps battles and the LHA’s unique capabilities will serve as a stark reminder to everyone around the world of the bravery, courage and commitment to freedom displayed by those who fought in the battle.”

The First Battle of Fallujah occurred in April 2004 in an effort to capture or kill insurgents responsible for the killing of four U.S. contractors. The Second Battle of Fallujah, fought between Nov. 7 and Dec. 23, 2004, was a major U.S. led offensive to retake control of the city from insurgents and foreign fighters. With over 100 coalition forces killed and over 600 wounded, Operation Phantom Fury is considered the bloodiest engagement of the Iraq War and the fiercest urban combat involving U.S. Marines since the Vietnam War’s Battle of Hue City.

“Under extraordinary odds, the Marines prevailed against a determined enemy who enjoyed all the advantages of defending in an urban area,” said Commandant of the Marine Corps Gen.

David H. Berger. “The Battle of Fallujah is, and will remain, imprinted in the minds of all Marines and serves as a reminder to our Nation, and its foes, why our Marines call themselves the world’s finest.”

Along with the ship’s name, Del Toro announced the sponsor for the future USS Fallujah as Mrs. Donna Berger, who, in her role, will represent a lifelong relationship with the ship and crew.

Donna Berger is not only the spouse of Gen. David H. Berger, 38th Commandant of the Marine Corps, but also an avid advocate and mentor for military families.

America-class amphibious assault ships are designed to support Marine Corps Operational Maneuver From the Sea and Ship to Objective Maneuvers. The America-class ships replaced all of the decommissioned Tarawa-class LHAs and are now optimized for aviation ability, accommodating the Marine Corps’ future Air Combat Element while adding additional aviation maintenance capabilities and increasing fuel capacities and extra cargo storage. With the unique inherent powers of the amphibious assault ships, they are often called upon to also support humanitarian and other contingency missions upon short notice.

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**HII Hosts Marine Corps  
Commandant at Ingalls  
Shipbuilding**



Gen. David H. Berger, the 38th commandant of the U.S. Marine Corps, walks the grounds of the HII Ingalls shipyard, meeting leadership, including Ingalls president Kari Wilkinson. *HII PASCAGOULA*, Miss. – HII’s Ingalls Shipbuilding division hosted Gen. David H. Berger, the 38th commandant of the U.S. Marine Corps, on Dec. 12, the company said in a release. Berger met with Ingalls leadership and toured the shipyard, including two amphibious ships currently under construction, *Bougainville* (LHA 8) and *Richard M. McCool Jr.* (LPD 29).

“We value the opportunity to showcase our talented shipbuilders and state-of-the-art facility to the Marine Corps and Navy,” Ingalls Shipbuilding President Kari Wilkinson said. “It’s a great day when our customers see first-hand the work we are completing to support their service, and when we can hear directly from them on requirements.”

As the sole builder of the entire San Antonio class of ships, Ingalls has delivered 12 San Antonio-class ships to the Navy and has three more under construction, including *Richard M. McCool* (LPD 29), *Harrisburg* (LPD 30) the first Flight II LPD and *Pittsburgh* (LPD 31). The shipyard is also building large-deck amphibious ships for the Navy and Marine Corps,

delivering a total of 15 ships (Tarawa class, LHA 1-5; Wasp class, LHD 1-8; and most recently America class, LHA 6 and LHA 7). The large-deck amphibious ship production line remains online and efficient with the ongoing construction of Bougainville (LHA 8) and LHA 9.

“It’s always a good day when you get to see amphibious warships being built,” said Gen. Berger, commandant of the U.S. Marine Corps. “Amphibious ships are critical for the Marine Corps’ ability to modernize for a potential near-peer fight while we still perform our daily crisis response missions around the globe – we need amphibs for all our missions.”

Ingalls has designed, built and maintained amphibious ships, destroyers and cutters for the U.S. Navy, Marine Corps and the U.S. Coast Guard for nearly 85 years. Recently, nearly \$1 billion was invested in the infrastructure, facility and toolsets at Ingalls enabling shipbuilders, improving product flow and process efficiency, and enhancing product quality. Ingalls is supported by over 700 suppliers across 49 states. As the largest supplier of U.S. Navy surface combatants, Ingalls is simultaneously building four classes of ships and has pioneered the development and production of technologically advanced, highly capable ships for the surface Navy fleet for decades.

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**U.S. Navy Awards \$13.5  
Million for BAE Systems’**



# Smart D2 Technology

AUSTIN, Texas – The U.S. Navy has awarded BAE Systems \$13.5 million to incorporate its [Smart D2 technology](#) as part of the U.S. Navy's ALE-47 Common Carriage program which increases expendable payload capacity as the service converts from round to square countermeasures, the company said in a Dec. 13 release. The contract is an Other Transaction Agreement (OTA) through the Naval Aviation Systems Consortium (NASC). This is the first purchase of Smart D2 technology by the Department of Defense (DoD).

"Aircraft survivability technology is in a race against emerging threats," said Don Davidson, director of the Advanced Compact Electronic Warfare Solutions product line at BAE Systems. "Smart D2 elevates legacy systems to the technology capabilities of next-generation smart countermeasures."

The Smart D2 technology can be integrated into an aircraft's existing [ALE-47 Airborne Countermeasures Dispenser System](#) – the trusted system of choice for aircraft survivability among U.S. armed forces and international allies. More than 4,000 ALE-47 systems have been installed in over 30 countries.

Instead of replacing an aircraft's entire ALE-47 system, Smart D2 technology allows for the replacement of key elements – the programmer, sequencer, dispenser and expendables. The programmer contains a regularly-updated database of known threats and identifies the appropriate payload, quantity, and dispensing intervals of each countermeasure. It also provides two-way communication of mission-critical information to enable pilots to make more informed decisions on the spot.

Smart D2 technology supports the U.S. Navy conversion to countermeasure expendables with the same square form factor as the U.S. Air Force and the U.S. Army. The Smart D2 sequencer and square style dispenser are a form and fit replacement to

the current ALE-47 sequencer and dispenser for the U.S. Navy's effort under the NASC OTA. Smart D2 will be deployed on USN rotary and fixed-wing aircraft and is also designed to operate on future platforms.

Work on Smart D2 under the ALE-47 Common Carriage program is underway at BAE Systems' state-of-the-art facility in Austin, Texas.

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## The Netherlands Selects KONGSBERG's Naval Strike Missile for Frigates



Naval Strike Missile *KONGSBERG*

KONGSBERG, Norway – Kongsberg Defence & Aerospace AS has

entered into a contract with the Netherlands Ministry of Defence to supply the Naval Strike Missile (NSM) for their fleet of Air Defence & Command Frigates, the company said in a Dec. 12 release.

The NSM, at its core, is designed to handle future threats and warfighting environments making it a 5th-generation, long-range, multi-mission (anti-ship & land attack) precision strike missile designed to ensure efficient strikes under complex conditions.

“KONGSBERG is very proud to have been selected by the Netherlands Ministry of Defence to provide the NSM to the Royal Netherlands Navy (RNLN) Air Defence & Command Frigates. This is another great achievement for the NSM program and we are very pleased to welcome the RNLN as a member of the NSM User Group,” says Eirik Lie, President of Kongsberg Defence & Aerospace.

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## **U.S. Navy Awards BAE Systems \$294 Million Contract for USS Kearsarge Modernization**



The Wasp-class amphibious assault ship USS Kearsarge (LHD 3), returns to Naval Station Norfolk after a seven-month deployment, Oct. 13, 2022. *U.S. NAVY / Mass Communication Specialist 2nd Class Nathan T. Beard*

NORFOLK, Va. – BAE Systems has received a \$294.7 million contract from the U.S. Navy to drydock and perform more than 20 months of maintenance and modernization work on the amphibious assault ship USS Kearsarge (LHD 3), the company said in a Dec. 12 release. The contract includes options that, if exercised, would bring the cumulative value to \$340.3 million.

Under the awarded contract, the maintenance availability of USS Kearsarge will begin in April. Starting in June, the 843-foot-long ship will be drydocked for nearly a year at BAE Systems' Norfolk shipyard. The shipyard will perform extensive hull, tank and mechanical work, rehabilitate all crew and embarked Marine living compartments onboard, and inspect the ship's boilers. BAE Systems is expected to complete work aboard the 29-year-old ship in January 2025.

“The extended sustainment period onboard the USS Kearsarge provides a great environment to apply BAE Systems’ substantial experience with ships of the same class and considerable production skills, and supports job stability across our shipyard and supply base,” said Mike Bruneau, vice president and general manager of BAE Systems Norfolk Ship Repair. “Through our maintenance and modernization efforts, the Kearsarge will be ready to deploy for many years to come.”

USS Kearsarge is the third ship of the USS Wasp class of U.S. Navy amphibious assault ships, which are designed to carry expeditionary Marines and their equipment to anywhere in the world. The current Kearsarge is the fourth U.S. Navy vessel to sail with the name. The company’s Norfolk shipyard is also completing a similar modernization project aboard the Wasp.

To prepare for drydocking the Kearsarge, BAE Systems has been hiring employees and temporary workers. Individuals interested in joining the team can visit [jobs.baesystems.com](https://jobs.baesystems.com) for more details. The Norfolk shipyard currently employs about 1,000 people across a number of skilled marine trades and support functions.

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## **Boeing Selects Lufthansa Technik to Support New Zealand’s P-8A Poseidon Fleet**





P-8A aircraft. *BOEING*

BERLIN – Boeing has awarded Lufthansa Technik a contract for sustainment services within its support of the Royal New Zealand Air Force's (RNZAF) future fleet of four P-8A aircraft that will leverage commercial capabilities to improve readiness rates, Boeing announced in a Dec. 12 release.

The contract is for provision of Lufthansa Technik's Total Component Support (TCS), a comprehensive component services program for the 737 covering more than four hundred commercial common parts included in the configuration of the P-8A, a military derivative of the popular airliner. Leveraging the 737 commercial market in support of P-8A international customers will allow smaller fleets easier access to necessary global supply chain inventory from the more than four thousand 737 aircraft operating today.

"Our collaboration with Lufthansa Technik is a strong example of how industry can work together to solve customer challenges and maintain high readiness rates," said Torbjorn (Turbo) Sjogren, Boeing vice president and general manager, Government Services. "Our goal is to expand service offerings from a strategic German industry partner for additional P-8A customers to benefit."

The TCS program provided by Lufthansa Technik allows the RNZAF to reduce investment in commercial common parts and improve

aircraft readiness through access to the German company's maintenance, repair and overhaul (MRO) global supply chain.

Boeing and Lufthansa Technik signed a strategic Memorandum of Understanding (MOU) in 2021 to support Germany's P-8A Poseidon fleet. The MOU expanded to a three-party agreement with ESG Elektroniksystem- und Logistik-GmbH in 2022.

"Lufthansa Technik is a longstanding partner with a long history of supporting Boeing aircraft around the world," said Michael Haidinger, president of Boeing in Germany. "This new contract is a clear demonstration of our commitment to German industry and how we partner across the Atlantic and globally, shaping meaningful partnerships that ensure continued economic and industrial growth in Germany."

Under Boeing's Performance-Based Logistics program, Lufthansa Technik also provides hardware support to the Italian fleet of Boeing KC-767A tankers and has facilitated outstanding aircraft availability for the Italian Air Force.

"As a renowned expert for Special Mission aircraft and a leading maintenance, repair and overhaul provider with decades of experience in servicing commercial Boeing 737s, we are delighted to soon start servicing New Zealand's Poseidon fleet. The strong partnership with Boeing enables us to offer the best possible service level over the entire life cycle of the aircraft," said Michael von Puttkamer, vice president special aircraft services at Lufthansa Technik. "We are very much looking forward to further cooperation with our partners in Germany and beyond."

In July 2018, the government of New Zealand announced the purchase of four P-8A Poseidon aircraft to replace their aging fleet of P-3K2 maritime patrol aircraft. The first P-8A to New Zealand was delivered December 2022, with three remaining aircraft to be delivered in 2023.

Deployed around the world with 155 aircraft delivered or in

service, and more than 450,000 collective, mishap free flight hours, the P-8A is vital for global anti-submarine warfare, intelligence, surveillance and reconnaissance and search-and-rescue operations.

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## U.S., Iraq, Kuwait Conduct 2nd Joint Patrol in Arabian Gulf



Ships from the Iraq Navy and Kuwait Coast Guard operate in the Arabian Gulf, Dec. 11. The ships completed a joint patrol with the United States in the Arabian Gulf for the second time in four months to promote regional maritime security. *U.S. ARMY / Spc. Aaron Troutman*

MANAMA, Bahrain – Maritime forces from Iraq, Kuwait and the

United States completed a joint patrol in the Arabian Gulf, Dec. 11, representing the second time in four months the three nations sailed together to promote regional maritime security, Commander U.S. Naval Forces Central Command Public Affairs said in a Dec. 12 release.

U.S. Navy mine countermeasures ship USS Dextrous (MCM 13) operated with ships from the Iraq Navy and Kuwait Coast Guard. The vessels conducted maneuvering and maritime security drills.

“Partnerships are at the foundation of maritime security and stability in the Middle East,” said Vice Adm. Brad Cooper, commander of U.S. Naval Forces Central Command, U.S. 5th Fleet and Combined Maritime Forces. “Our continued collaboration reflects our collective commitment to safeguarding regional waters.”

The three nations previously conducted a similar patrol in the Arabian Gulf on Aug. 25. U.S. Navy patrol coastal ship USS Sirocco (PC 6) and U.S. Coast Guard fast response cutter USCGC Charles Moulthrop (WPC 1141) participated.

Dextrous is an Avenger-class mine countermeasures ship designed to clear mines from vital waterways. The ship is forward-deployed to Bahrain where U.S. 5th Fleet is headquartered.

U.S. 5th Fleet’s operating area includes 21 countries, the Arabian Gulf, Gulf of Oman, Red Sea, parts of the Indian Ocean and three critical choke points at the Strait of Hormuz, Bab al-Mandeb and Suez Canal.

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# HM-14 Squadron Makes its Final Flight in MH-53E Helicopter



An MH-53E Sea Dragon, attached to the “Vanguard” of Helicopter Mine Countermeasures Squadron takes off from the Ford-class aircraft carrier USS Gerald R. Ford’s (CVN 78) flight deck, June 16, 2022. *U.S. NAVY / Mass Communication Specialist 3rd Class Jackson Adkins*

NORFOLK, Va. — The World-Famous Vanguard of Helicopter Mine Countermeasures Fourteen (HM-14) flew the final flight of the squadron in Norfolk, Virginia, on Dec. 8, said the squadron’s commanding officer, Cdr. Nicklaus Smith, in a release.

After nearly 45 years of service, flying the RH-53D and the MH-53E, the Vanguard are officially de-activating in July 2023. The sailors of HM-14 have served and flown on every continent in the world over their 45-year history and have



been a part of numerous critical military operations. With the Navy's decision to develop and field new technologies and approaches to mine countermeasures, to include a family of manned and unmanned systems, the MH-53E Sea Dragon is entering its final years of service.

HM-14 is the first of the Navy's two operational MH-53E squadrons to disestablish, ending a run of 45 years of service to the country. Throughout its history, the squadron underwent numerous changes to its manning and structure and even introduced a new helicopter, but always remained steadfast to Norfolk, Virginia.

Some of HM-14's aircraft and personnel will be absorbed by sister squadron HM-15.

The tens of thousands of sailors who called HM-14 home have served the community well, and many have permanently called Hampton Roads home. The final sailors of HM-14 have finished strong over the last year few years, winning the Battle E award in both 2020 and 2021.

"There is no greater honor than serving our fellow citizens of the USA, and doing it maintaining and flying the world's biggest and most powerful helicopter! We have so much fun doing what we do, and playing a small part in maintaining freedom in America and around the world!" Smith said. "I'm so proud of all the sailors of the Vanguard, both past and present, who have served with distinction. Our alumni have attained MCPON [master chief petty officer of the Navy] and Admiral, but I'm most proud of the young men and women who gave blood, sweat and tears, in challenging environments across the world, and kept the Big Iron flying!"

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# Attack Submarine USS California Returns from Deployment

GROTON, Conn. – The Virginia-class fast-attack submarine USS California (SSN 781) returned home to Naval Submarine Base New London on Thursday, Dec. 8, after a four-month deployment, said Lt. Cmdr. Seth Koenig of Commander, Submarine Force Atlantic, in a release.

“Our submarines provide our nation with unmatched stealth and firepower that can be wielded at any time,” said Capt. Thomas O’Donnell, commander of Submarine Squadron 12, under which California operates. “Cmdr. Henry and his California crew exhibited that high state of readiness and effectiveness over the last several months by executing a short-notice, unscheduled surge deployment to the European Command area of operations. We’re glad to welcome them home now to spend the holidays with their families after another job well-done.”

After California moored to the pier, the ship’s Petty Officer 3rd Class Louis Longwell and his girlfriend Sabine Saladrigas were recognized with the ceremonial first kiss on the pier, while Senior Chief Petty Officer Joseph Wisniewski and his three children were recognized with the ceremonial first hug.

Lt. Tom Krysil, California’s navigator, met his baby son, Christopher, for the first time. Krysil’s wife – and Christopher’s mother – is Molly Krysil, who is also a submarine-qualified Navy officer.

“I’m incredibly proud of the crew of California, who showed once again that America’s Submarine Force is agile and mission ready at all times,” said Cmdr. James Henry, commanding officer of USS California. “This is a dedicated, hard-working

team of Sailors and I'm honored to serve alongside them at sea. As with any operational period, we couldn't do it without the love, support and sacrifice of our families back home, and I'm happy to lead this crew home for the holidays."

USS California was commissioned on Oct. 29, 2011. SSN 781 is the seventh U.S. warship commissioned under the name California, following a Tennessee-class battleship active during World War II and the 1974 lead ship of a class of nuclear-powered guided missile cruisers, among others. The submarine California has a crew of more than 130 personnel, is more than 377 feet long and can displace nearly 7,900 tons.

Fast-attack submarines are multi-mission platforms enabling five of the six Navy maritime strategy core capabilities – sea control, power projection, forward presence, maritime security and deterrence. They are designed to excel in anti-submarine warfare, anti-ship warfare, strike warfare, special operations, intelligence, surveillance and reconnaissance, irregular warfare and mine warfare. Fast-attack submarines project power ashore with special operations forces and Tomahawk cruise missiles in the prevention or response to regional crises.