

Kraken Robotics Signs Cooperative Research & Development Agreement with US Navy for next Generation Synthetic Aperture Sonar Beamforming



ST. JOHN'S, NEWFOUNDLAND, 04 March 2024 /GLOBE NEWSWIRE/ – Kraken Robotics Inc. announces that its wholly owned subsidiary, Kraken Robotic Systems Inc., has signed a Cooperative Research and Development Agreement (CRADA) with Naval Undersea Warfare Center Division, Newport (NUWC DIVNPT). The objective of this CRADA is to conduct joint research into advanced signal processing techniques for the current and future generation of Synthetic Aperture Sonar (SAS) sensor technologies. This also includes exploration into enhanced image processing techniques such as data fusion, image registration, multi-spectral image enhancement and automated

target recognition.

Kraken Robotics has engaged in several CRADA's with US government agencies since 2012, including NUWC Division Newport, NOAA's Office of Ocean Exploration and Research (OER) as well as the Battery Certification and Integration Branch, Code 636 of NSWC Carderock. These CRADA's have provided invaluable testing and evaluation for Kraken's portfolio of underwater technology solutions, including Kraken's Synthetic Aperture sonar, KATFISH Actively Controlled Towed sonar, and Pressure Tolerant Subsea Batteries.

These CRADAs have showcased a strong track record of proven technology solutions and collaboration between Kraken's world-leading technical team and the US Navy's Centers of Excellence. They have allowed Kraken to test technology solutions with subject matter experts from the US Navy, providing invaluable feedback on performance and capabilities. Kraken can then point to the publicly-releasable results of our collaborative testing under the CRADA as objective evidence when bidding on opportunities domestically or internationally with other Five Eyes or NATO countries.

Greg Reid, Kraken President and CEO said "We are pleased to enter another CRADA with NUWC Division Newport. Since that first CRADA in 2012, Kraken has gone on to deliver our technology solutions to NATO allies across the globe, and the results from each CRADA have been a valuable ground truth for our customers worldwide."

David Shea, Kraken CTO said "Innovation is a core tenant of Kraken. Entering into this new Cooperative agreement with NUWC will ensure our science and technology is being evaluated by the best and brightest inside the US Navy, and this allows us to deepen our collaboration on the next generation of seabed intelligence solutions. With several of our sensors now in active use within the US Navy, we are excited to deepen our focus into data enhanced processing techniques that will

benefit both new and existing sensors, leveraging the latest developments in machine learning.”

Saildrone Launches First Production Surveyor off the Manufacturing Line at Austal USA



MOBILE, Ala., March 6, 2024 – Today, Saildrone announced it has launched the first aluminum Surveyor unmanned surface vehicle (USV) off the Austal USA production line in Mobile, Ala. Chief of Naval Operations (CNO) Admiral Lisa Franchetti was on site Monday to inspect the vehicle, ahead of these new

USVs being tested under contract to the US Navy.

Primarily designed for ocean mapping and maritime domain awareness, the Saildrone Surveyor USV is powered by wind, solar, and a diesel generator for long-range, long-endurance missions in the open ocean.

The Surveyor carries the latest multibeam sonar equipment for seafloor mapping to depths of 11,000 meters (36,000 feet) and purpose-built defense and security payloads for accurate, dynamic, and confident decisions and responses to the full spectrum of maritime threats and challenges. Upcoming Navy missions will focus on the ability of the Surveyor to deliver both surface and undersea intelligence for a range of high-priority applications, including anti-submarine warfare (ASW).

To meet the increasing demand for Surveyor USVs, Saildrone partnered with Austal USA to leverage their advanced manufacturing production techniques and rapid assembly capabilities. Austal is currently producing one Surveyor every six weeks, with the ability to scale up production as demand requires.

“It is tremendous to see the first vehicle launched of many that will be produced here in Alabama,” said Saildrone founder and CEO Richard Jenkins. “We are honored to have Admiral Franchetti here in person to witness the start of the creation of a new fleet of USVs alongside traditional manned ships. Everyone at Saildrone is very proud to be supporting the US Navy and contributing to our defense and national security.”

At 20 meters long (65 feet) and weighing 15 tons, the Surveyor classifies as a medium USV, built to American Bureau of Shipping (ABS) Light Warship code. These first Surveyors are contracted to the US Navy for the initial testing and evaluation of Surveyor-class vehicles in multiple environments.

“Using unmanned assets helps put more players on the field by freeing up manned assets for more specific and important tasks,” said Franchetti. “It’s good to see high tech industry partnering with the traditional shipbuilding industrial base to rapidly deliver cutting-edge products at scale.”

Franchetti was joined on the tour by Assistant Commandant of the Marine Corps (ACMC) Gen. Christopher J. Mahoney, Sen. Roger Wicker (R-Miss.S), ranking member of the Senate Armed Services Committee, and Rep. Jerry Carl (R-Ala.).

March 4 and 5 Red Sea Update



USCENTCOM

March 5, 2024

TAMPA, Fla. – On March 5, between the hours of 3 p.m. and 5 p.m. (Sanaa time), U.S. Central Command (CENTCOM) forces shot down one anti-ship ballistic missile and three one-way attack unmanned aerial systems launched from Iranian-backed Houthi controlled areas of Yemen toward USS Carney (DDG 64) in the Red Sea. There are no injuries or damage to the ship.

Later between 8:45 p.m. and 9:40 p.m., CENTCOM forces destroyed three anti-ship missiles and three unmanned surface vessels(USV) in self-defense.

The missiles and USVs were located in Houthi-controlled areas of Yemen.

CENTCOM forces identified the missiles, UAVs, and USVs and determined that they presented an imminent threat to merchant vessels and to the U.S. Navy ships in the region. These actions are taken to protect freedom of navigation and make international waters safer and more secure for U.S. Navy and merchant vessels.

March 4, 2024

TAMPA, Fla. – On March 4, at approximately 2:15a.m. (Sanaa time), Iranian-backed Houthi terrorists fired an anti-ship ballistic missile from Yemen into the southern Red Sea. The missile impacted the water with no reported damage or injuries to commercial or U.S. Navy ships.

Between the hours of 3:50p.m. and 4:15p.m. (Sanaa time), Iranian-backed Houthi terrorists fired two anti-ship ballistic missiles from Yemen into the Gulf of Aden at M/V MSC SKY II, a Liberian-flagged, Swiss-owned container vessel. One of the missiles impacted the vessel causing damage. Initial reports indicate there were no injuries; the ship did not request assistance and continued on its way.

At 8 p.m. (Sanaa time), CENTCOM forces conducted self-defense strikes against two anti-ship cruise missiles that presented an imminent threat to merchant vessels and U.S. Navy ships in the region. These actions are taken to protect freedom of navigation and make international waters safer and more secure for merchant and U.S. Navy vessels.

USS McCampbell Returns to Forward Deployment in Japan



By Lt.j.g. Kathryn Cole

March 4, 2024

YOKOSUKA, Japan – The Arleigh Burke-class guided missile destroyer USS McCampbell (DDG 85) returned to its forward-deployed location of Yokosuka, Japan, to rejoin Commander, Destroyer Squadron (DESRON) 15, March 2nd, 2024.

“We are excited for the opportunity to rejoin 7th Fleet and the forward-deployed naval forces in Yokosuka, Japan” said Cmdr. James Pierce III, McCampbell’s commanding officer. “Our Sailors have trained diligently over the past four years since our departure to prepare for our return to Japan. We are ready to support our allies and partners in the region in maintaining maritime security. Additionally, we are

appreciative of the hospitality shown to our families who arrived in Japan earlier this year.”

McC Campbell will make its return as one of the ten forward-deployed Arleigh Burke-class destroyers. The ship is named after Capt. David S. McC Campbell, a naval aviator who distinguished himself as the Navy’s leading fighter pilot during World War II. The ship was commissioned in his honor on August 17, 2002. McC Campbell was previously in Yokosuka for 13 years, from 2007-2020, before relocating to Portland, Oregon to undergo its midlife modernization, fortifying its warfighting capability.

“The addition of USS McC Campbell further strengthens Destroyer Squadron 15’s fighting force,” said Capt. Justin Harts, Commander, Destroyer Squadron 15. “In this demanding and ever-changing theater, McC Campbell’s dedicated crew will be a key part of our mission to operate alongside our allies and partners and ensure we remain committed to maritime security in the region and uphold the promise of a free and open Indo-Pacific. We are thrilled to have them back in Yokosuka.”

The United States values Japan’s contributions to the peace, security and stability of the Indo-Pacific and its long-term commitment and hospitality in hosting U.S. forces forward deployed there. These forces, along with their counterparts in the Japan Self-Defense Forces, make up the core capabilities needed by the alliance to meet common strategic objectives and support a free and open Indo-Pacific.

McC Campbell is a Flight IIA Arleigh Burke-class Aegis guided missile destroyer that can deploy with two MH-60 variant helicopters. It also has ballistic missile defense, anti-air and surface warfare capabilities. The ship is 155 meters in length; displacing approximately 9,250 tons, with a crew size of over 300 Sailors.

McCampbell is forward-deployed and assigned to Destroyer Squadron (DESRON) 15, the Navy's largest DESRON and the U.S. 7th Fleet's principal surface force.

U.S. 7th Fleet is the U.S. Navy's largest forward-deployed numbered fleet, and routinely interacts and operates with allies and partners in preserving a free and open Indo-Pacific region.

**Bollinger Shipyards Hosts
Chief of Naval Operations,
Asst. Commandant of the
Marine Corps, PEO Ships, &
U.S. Sen. Roger Wicker**



PASCAGOULA, Miss., March 6, 2024 – Earlier this week, Bollinger Mississippi Shipbuilding Shipyards hosted a delegation of U.S. Navy and Marine Corps leaders at its facility in Pascagoula, Mississippi. The delegation included Chief of Naval Operations Adm. Lisa Franchetti, Assistant Commandant of the Marine Corps Gen. Christopher Mahoney, Program Executive Officer-Ships Rear Admiral Tom Anderson, and U.S. Sen. Roger Wicker, R-Mississippi. The visit underscored the critical role Bollinger plays in American shipbuilding in enhancing our nation’s defense capabilities and bolstering the economy.

“Bollinger Shipyards was honored to welcome Admiral Franchetti, General Mahoney, and Senator Wicker to Pascagoula,” said Ben Bordelon, president and CEO of Bollinger Shipyards. “We take great pride in our contribution to the strength and readiness of America’s naval forces and remain dedicated to maintaining our legacy of quality, durability, and innovation in shipbuilding. This visit provided a unique opportunity to demonstrate our capabilities and ongoing

commitment to fulfilling the critical needs of our military, both today and in the years to come.”

During their visit, Franchetti, Mahoney, Anderson, Wicker toured the facility, engaged with Bollinger’s skilled workforce, and were briefed by Bollinger leadership on current and future projects. Bollinger Mississippi currently builds the T-AGS and APL programs for the U.S. Navy, as well as the Polar Security Cutter program of the U.S. Coast Guard.

“I will always showcase our skilled Gulf Coast shipbuilders and the impressive work they do. The Navy, Marine Corps, Coast Guard, and world benefit from what comes out of our shipyards,” said U.S. Senator Roger Wicker. “As one of Mississippi’s U.S. Senators and the Ranking Member of the Senate Armed Services Committee, I look for every opportunity to advance our region’s national defense contributions. This visit was worthwhile.”

This was Franchetti’s and Mahoney’s first visit to Bollinger Mississippi. The visit was part of a tour of Gulf Coast shipyards.

Bataan ARG, 26th MEU(SOC) to Return to Homeport



MEDITERRANEAN SEA (Feb. 25, 2024) The Wasp-class amphibious assault ship USS Bataan (LHD 5), Harpers Ferry-class dock landing ship USS Carter Hall (LSD 50), San Antonio-class amphibious transport dock ship USS Mesa Verde (LPD 19), and guided-missile destroyer USS Arleigh Burke (DDG 51) transit in formation with the United Kingdom primary casualty receiving ship RFA Argus (A135) in the Mediterranean Sea, Feb. 25, 2024. (U.S. Navy photo by Mass Communication Specialist 2nd Class Matthew F. Brown)

By Amphibious Squadron 8 Public Affairs

STRAIT OF GIBRALTAR – The ships of the Bataan Amphibious Ready Group (ARG), along with the embarked 26th Marine Expeditionary Unit (Special Operations Capable) (MEU(SOC)) exited the Mediterranean Sea after conducting operations in the U.S. Sixth Fleet area of operations, March 6, 2024. In the coming weeks, Sailors and Marines will sail across the Atlantic Ocean and return home to Norfolk, Virginia and Camp LeJeune, North Carolina.

Since December, the Bataan ARG and the 26th MEU(SOC) have conducted training, exercises, and operations in the U.S.

European Command and U.S. Africa Command areas of responsibility in support of maritime stability and security in defense of U.S., allied, and partner interests.

“Throughout our time in the U.S. Fifth and U.S. Sixth Fleet regions, the Sailors and Marines of the Bataan ARG and 26th MEU(SOC) showcased the unique capabilities that we bring as a response force to our allies and partners,” said Amphibious Squadron 8 Commodore, Capt. Martin Robertson. “Our presence in the Eastern Mediterranean was exactly what our nation needed: an integrated Navy and Marine Corps force ready to respond when called upon.”

Completing this transit and entering the Atlantic Ocean is a major milestone and one of the last scheduled operations of the Bataan ARG and the 26th MEU(SOC)’s nearly 8-month deployment.

The Bataan ARG is comprised of the Wasp-class amphibious assault ship USS Bataan (LHD 5), Harpers Ferry-class dock landing ship USS Carter Hall (LSD 50), and San Antonio-class amphibious transport dock ship USS Mesa Verde (LPD 19). The ships deployed from Norfolk, Virginia, July 10, and have conducted training, exercises, and operations to support maritime stability and security in defense of U.S., allied, and partner interests.

The 26th MEU(SOC) serves as one of the Nation’s premier crisis response forces capable of conducting amphibious operations, crisis response, and limited contingency operations, to include enabling the introduction of follow-on forces and designated special operations, in support of theater requirements of the Geographic Combatant Commander. Coupled with the BAT ARG, the 26th MEU(SOC) serves as a premier stand-in force with a full complement of all-domain capabilities to operate persistently within the littorals or weapons engagement zones of an adversary.

Headquartered in Naples, Italy, NAVEUR-NAVAF operates U.S. naval forces in the U.S. European Command and U.S. Africa Command areas of responsibility. U.S. 6th Fleet is permanently assigned to NAVEUR-NAVAF and employs maritime forces through the full spectrum of joint and naval operations.

Navy Opens Second Triton UAV Forward Deployment Site



Caption: NAVAL AIR STATION SIGONELLA, Italy (March 2, 2024) – Capt. Ronald H. Rumfelt, Jr., commanding officer, Unmanned Patrol Squadron (VUP) 19 “Big Red” (left), Vice Adm. Daniel “Undra” Cheever, commander, Naval Air Forces (center), and Capt. Aaron Shoemaker, commanding officer, Naval Air Station

(NAS) Sigonella (right), participate in a ribbon cutting ceremony to celebrate the inaugural deployment of VUP- 19's second forward-deployed detachment, and the opening of a new MQ-4C Triton hangar at NAS Sigonella, Italy, March 2, 2024 (U.S. Navy Photo by Mass Communication 2nd Class Jacquelin Frost)

By Richard R. Burgess, Senior Editor

ARLINGTON, Va. – The Navy squadron that operates the MQ-4C Triton high-altitude, long-endurance unmanned aerial vehicle has opened its second deployment site, with this one located at Naval Air Station (NAS) Sigonella, Sicily.

During March 2 ceremonies at Sigonella, the commanding officer of Unmanned Patrol Squadron 19 (VUP-19), Capt. Ronald H. Rumfelt Jr., was joined by Vice Adm. Daniel “Undra” Cheever, commander, Naval Air Forces, and Capt. Aaron Shoemaker, commanding officer, of NAS Sigonella in a ribbon cutting for the new hangar on the station that will support the Triton aircraft operating from the station, according to an NAS Sigonella release.

Home-based at NAS Jacksonville, Florida, Unmanned Patrol Squadron 19 (VUP-19) brought the Triton to its Initial Operational Capability status last summer with the establishment of an orbit at Andersen Air Force Base in Guam. The squadron had maintained two Tritons – equipped with the baseline Integrated Functional Capability (IFC) 3 configuration – on an Early Operational Capability deployment in Guam from May 2020 until March 2023. The Tritons provided MISR&T (maritime intelligence, surveillance, reconnaissance, and tracking) for the U.S. 7th Fleet while developing the concept of operations and the tactics to refine the Triton's operations. The detachment operated from Guam; Naval Air Facility Misawa, Japan; and Marine Corps Air Station Iwakuni, Japan.

VUP-19 since has received newer versions in the IFC 4 configuration, which are equipped with a more capable sensor

suite that will allow them to replace the Navy's fleet of EP-3E Orion electronic reconnaissance aircraft.

From Sigonella, also a rotational site for squadrons of the Navy's P-8A Poseidon maritime patrol aircraft, the Tritons will provide the U.S. Sixth Fleet with MISR&T support.

HII Hosts Naval Leaders at Ingalls Shipbuilding



PASCAGOULA, Miss., March 04, 2024 (GLOBE NEWSWIRE) – HII (NYSE: HII) announced that Chief of Naval Operations Adm. Lisa Franchetti and Assistant Commandant of the Marine Corps Gen. Christopher Mahoney joined U.S. Sen. Roger Wicker, R-Miss, for a visit to the company's Ingalls Shipbuilding division today.

While in Pascagoula, Franchetti, Mahoney and Wicker toured the shipyard's facilities and met with Ingalls leadership for an

overview of the ships under construction and the investments being made within the shipyard. During the visit, the group toured guided missile destroyers *USS Zumwalt* (DDG 1000) and *Ted Stevens* (DDG 128), amphibious assault ship *Bougainville* (LHA 8), and amphibious transport dock *Richard M. McCool Jr.* (LPD 29).

“We were honored to host Adm. Franchetti, Gen. Mahoney and Sen. Wicker and showcase the hard work being accomplished by our dedicated shipbuilders every day,” Ingalls Shipbuilding President Kari Wilkinson said. “As we continue to invest in our people, facilities and processes, we can best position ourselves to fully support the needs of our Navy and Marine Corps partners.”

A photo accompanying this release is available at: <https://hii.com/news/hii-hosts-naval-leaders-at-ingalls-shipbuilding>.

Adm. Franchetti, who was sworn in as the nation’s 33rd chief of naval operations in November 2023, also met with crewmembers of ships currently at Ingalls. This visit marked CNO’s first trip to Ingalls Shipbuilding as chief of naval operations and was part of a series of visits to Gulf Coast shipyards.

“It’s been just over two years since McCool’s launch, and because of each and every one of you, this ship will be ready and fiercely capable in this decisive decade and for the many decades that follow,” said Franchetti to the shipyard workers, industry members and ship’s crew aboard *Richard M. McCool Jr.* “I want each of you to know that I am proud of you, and I’m proud of all that you are doing to ensure our Navy remains the most powerful Navy in the world.”

During the visit, the group had the opportunity to see first-hand the work taking place in support of the Navy and Marine Corps.

“The importance of these shipyards cannot be overstated,” Mahoney said. “Manufacturing and production is essential to a strong economy and America’s maritime advantage relies on the ships that carry our Marines and Sailors around the globe. Both of those things are on display here – on these lines with these hard working men and women. It was great to meet some of them and hear their stories. Their work is critical to our National Defense.”

Wicker echoed Mahoney’s statements saying, “I will always showcase our skilled Mississippi shipbuilders and the impressive work they do along the coast. The Navy, Marine Corps, and world benefit from what comes out of our shipyards. As one of Mississippi’s U.S. Senators and the Ranking Member of the Senate Armed Services Committee, I look for every opportunity to advance our state’s national defense contributions.”

Since 2015, HII has invested nearly \$1 billion in the Ingalls Shipbuilding infrastructure, facility and toolsets enabling shipbuilders to improve product flow and process efficiency, and enhance product quality. Additionally, HII continues to invest in and expand local talent pipelines in order to meet the current and future needs of our nation’s military.

US Coast Guard Cutter Forward returns home to Virginia after lifesaving deployment



March 4, 2024

PORTSMOUTH, Va. – The crew of the U.S. Coast Guard Cutter Forward (WMEC 911) returned to their homeport in Portsmouth, Sunday, following a 75-day patrol of the Windward Passage.

During the patrol, Forward's crew intercepted five unlawful migrant voyages and rescued 33 migrants from one vessel taking on water. Forward provided essential life-saving equipment, to include personal flotation devices and dewatering equipment, to the migrants aboard.

Patrolling in support of Homeland Security Task Force – Southeast and Operation Vigilant Sentry (OVS), within the Coast Guard Seventh District's area of responsibility, Forward's crew deterred illegal migration. By conducting routine patrols of the Windward Passage, Forward was able to maintain safety of life at sea and protect U.S. maritime borders.

"We often encounter unseaworthy vessels making attempts to

illegally enter U.S. waters,” said Cmdr. Staci Rutsch, commanding officer of Forward. “The Coast Guard’s overt presence in this region is essential to deter dangerous and life-threatening migrant ventures. Our extensive Coast Guard presence in the area significantly decreased the number of migration events. The crew did an outstanding job, around the clock, ensuring that these illegal and unsafe ventures were detected and expeditiously intercepted. Once again, the Coast Guard stands out as the partner of choice for preventing loss of life at sea while protecting the homeland.”

OVS is the 2004 Department of Homeland Security plan that provides structure for deploying joint air and surface assets and personnel to respond to irregular maritime migration in the Caribbean corridor of the United States. Its primary objectives are to protect the safety of life at sea while deterring and dissuading mass maritime migration alongside our federal, state, and local partners.

Additionally, Forward’s crew conducted interactions with valued partners and the local community during a port call to the Dominican Republic. Forward hosted Dominican Republic navy leadership aboard the cutter and discussed ongoing relationships within the region. Forward’s crew also participated in a community relations project held at a local orphanage in Maimon, Dominican Republic. The crew donated toys and home items as well completed renovation and restoration projects, building stronger relationships between partners.

Forward is a 270-foot, Famous-class medium endurance cutter. The cutter’s primary missions are counter drug operations, migrant interdiction, enforcement of federal fishery laws and search and rescue in support of U.S. Coast Guard operations throughout the Western Hemisphere.

HII Completes Acceptance Trials On Richard M. McCool Jr. (LPD 29)



PASCAGOULA, Miss., March 04, 2024 (GLOBE NEWSWIRE) – HII’s (NYSE: HII) Ingalls Shipbuilding division announced today the successful completion of acceptance trials in the Gulf of Mexico for amphibious transport dock *Richard M. McCool Jr.* (LPD 29), the final Flight I transition ship before Ingalls moves into serial production of the LPD Flight II line.

“We have had a successful trial and it is only through the efforts of our shipbuilders and our dedicated Navy and industry partners that we now move solely into the Flight II ships,” Ingalls Shipbuilding President Kari Wilkinson said. “Our team remains fully committed to delivering these important assets to the Navy-Marine Corps team.”

The Ingalls' Test and Trials team spent several days with the U.S. Navy's Board of Inspection and Survey running the ship at full power and through steering maneuvers. The team will now complete final finish work on the *San Antonio*-class ship in preparation for delivery to the U.S. Navy in weeks ahead.

Photos and video accompanying this release are available at: <https://hii.com/news/hii-completes-acceptance-trials-on-richard-m-mccool-jr-lpd-29/>.

"Congratulations to our shipbuilders on accomplishing this milestone and getting the ship ready for delivery," Ingalls Shipbuilding Ship Program Manager Davianne Stokes said. "The LPD 29 team has worked very hard to make these sea trials a success, and I couldn't be more proud of how they have prevailed."

Ingalls Shipbuilding has delivered 12 *San Antonio*-class ships and currently has three LPDs under construction, including *Richard M. McCool Jr.* (LPD 29), the final transition ship; *Harrisburg* (LPD 30), the first Flight II LPD; and *Pittsburgh* (LPD 31). Ingalls was also awarded in March 2023 a modification contract for the procurement of the detail design and construction of *Philadelphia* (LPD 32), the 16th ship in the *San Antonio* class and the third LPD Flight II.

San Antonio-class ships can support a variety of amphibious assault, special operations, or expeditionary warfare missions, operating independently or as part of Amphibious Readiness Groups (ARGs), Expeditionary Strike Groups, or joint task forces. These capabilities allow the U.S. Navy to protect America's security abroad and promote regional stability and preserve future peace.