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Defence Industry

AM General Highlights Light Tactical Vehicle Readiness Initiatives at 2016 Modern Day Marine Exhibition

AM General representatives will be on hand to discuss the company's proven, affordable and innovative approaches to sustaining the rapidly aging U.S. military vehicle fleets at the 2016 Modern Day Marine Expo, Marine Corps Base, Quantico, Va., Sept. 27-29, 2016, Hall B, booth 2015.

In addition to a modernized Light Tactical Vehicle chassis display containing multiple technology insertions, AM General's representatives will be ready to discuss engineering and logistics services, their award-winning global supply chain management, field service support, training for dealers, technician and advanced driver skills, as well as parts and equipment warranty support.

AM General, the only company who can provide Original Equipment Manufacturer qualified and certified line-item HMMWV parts, has shipped millions of HMMWV parts worldwide for HMMWV fleets to their international partners in addition to U.S. armed forces. The company has also provided specialized instruction to tens of thousands of U.S. military personnel and international students as well as deployed field service representatives to numerous foreign countries.

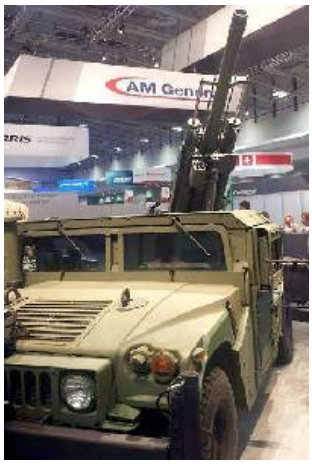
"With approximately 230,000 HMMWVs currently fulfilling the role as the backbone of tactical missions around the world, AM General plays a vital role in demonstrating innovative and affordable solutions to ensure these vehicles remain mission ready," said AM General Executive Vice President, U.S. Defense, Chris Vanslager. "The Modern Day Marine Expo is an excellent venue to show U.S. military personnel, international military delegations and many others the broad spectrum of innovative, expeditionary, versatile and affordable products and services AM General has to offer."

Exhibitions

AM General Displays Innovative Vehicle Solution Offerings Tailored For Fleet Readiness at AUSA 2016

AM General, the worldwide leader in design, manufacture and support of light tactical military vehicles, will display a wide range of products, technologies and services to support Light Tactical Vehicle fleet readiness and evolving expeditionary force missions at the Annual Meeting and Exposition of the Association of the U.S. Army (AUSA) Oct. 3-5, 2016 — Booth 6929/ Upper Level/ Hall D, at the Walter E. Washington Convention Center.

"The AUSA Expo provides a great opportunity to show our U.S. and international customers the broad spectrum of innovative, expeditionary, versatile and affordable products and services AM General has to offer," said AM General President and CEO, Andy Hove.



AM General's representatives will be ready to discuss multiple innovative vehicle displays, engineering and logistics services, their award-winning global supply chain management, field service support, training for dealers, technician and advanced driver skills, as well as parts and equipment warranty support.

AM General Exhibit Details

HMMWV/Hawkeye Howitzer System: The HMMWV/Hawkeye Howitzer System incorporates advances in protection, payload, suspensions and life-cycle sustainment – at an affordable price to meet the unique expeditionary requirements of global customers. It exemplifies the steady evolution of the HMMWV based on customer feedback, battlefield experiences, and innovation.

Hawkeye 105 MM Key Features

- Hybrid Soft Recoil technology allows weapon to be paired with AM General HMMWV
- Lightweight at less than 2,400 lbs. (1,100 kg)
- Fires 360 degrees
- Direct fire scope is digital camera in conjunction with the digital fire control
- Most maintenance can be performed at unit level
- Electronically controlled elevation and azimuth work with digital fire control
- Growth potential for all features including a longer caliber cannon
- Reduced maintenance costs due to efficient design

Light Tactical Vehicle Modernization: With approximately 230,000 HMMWVs currently fulfilling the role as the backbone of tactical missions around the world, AM General plays a vital role in demonstrating innovative and affordable solutions to ensure these vehicles remain mission ready. One prime example of this is the first of its kind, highly successful Public-Private Partnership between the National Guard, AM General and Red River Army Depot, which provides affordable, upgraded and enhanced capability HMMWVs to significantly improve readiness of National Guard units nationwide.

Services Parts and Logistics Operations (SPLO): AM General's logistics representatives will also be in the booth to provide information about the company's award-winning, worldwide supply chain management, field service support, dealer and technician training, advanced driver training, and warranty support. AM

General – the only company who can provide Original Equipment Manufactured, certified line-item HMMWV parts, has shipped millions of parts worldwide for HMMWV fleets in 21 nations in addition to U.S. armed forces. AM General has also provided specialized instruction to thousands of international students from 12 countries and has deployed field service representatives to 23 countries.

Light Tactical Vehicle Training Simulator: The AM General AUSA booth will feature a Light Tactical Vehicle Training Simulator displayed on a 180 degree, three-channel plasma screen. The Simulator creates an immersive driving environment that combines the look and feel of driving a real Light Tactical Vehicle with a variety of tactical military missions and adverse weather conditions. The driving scenarios used in this highly interactive simulator are currently being used to train U.S. and international customers at the AM General Light Tactical Vehicle Training Center, located in South Bend, Ind. The training course includes actual driving on a 320-acre off-road training area, classrooms for instruction, hands-on technical training bays as well as the driving simulator.

Contracts

Contract for Bradley Fighting Vehicle Gunner's Hand Station

Elbit Systems of America, LLC, a wholly-owned subsidiary of Elbit Systems Ltd., announced today that it received a $7.3 million contract to supply the Bradley Fighting Vehicle Gunner's Hand Station to the United States Army. The Defense Logistics Agency sole-source contract will be performed during a two-year period with work being completed in Fort Worth, Texas.

"As the trusted supplier of combat vehicles electronic and electro-optics systems for over two decades, we understand the importance of a reliable solution for improving soldiers' firepower," stated Amela Wilson, vice president of Sensors & Fire Control Solutions at Elbit Systems of America. "We have delivered the Gunner's and Commander's Hand Station units in the past and are pleased to continue providing U.S. Army Bradley gunners with this capability. We also recognize the need for advanced vehicles and are committed to supporting the Army's combat ground vehicle modernization campaigns."

The Gunner's Hand Station provides Bradley vehicle gunners the ability to acquire their target and fire accurately. Working in collaboration with the Commander's Hand Station, the Gunner's Hand Station is used to drive the rate of movement of the Bradley turret and to initiate control signals to the turret fire control systems in the Bradley M2A3/M3A3 vehicle.

In addition to the Gunner's Hand Station, Elbit Systems of America also provides the Commander's Hand Station and the Turret Processing Unit for the Bradley Fighting Vehicle.

Exhibitions

BAE Systems debuting next generation Bradley prototype

BAE Systems' Next Generation Bradley Fighting Vehicle demonstrator is debuting today at the Association of the United States Army (AUSA) annual meeting in Washington, D.C.

The concept vehicle features an upgraded chassis that allows for significantly increased underbelly protection, improved force protection for mounted troops, compartmentation of fuel and ordnance, and more space and electrical power for future technology growth.

"In the current budget environment, the Army often has to choose between maintaining an existing fleet and developing new capabilities," said Deepak Bazaz, director of Artillery and Bradley Programs at BAE Systems. "We're investing in research and development to demonstrate cost-effective options for the Army to address current gaps. We're focused on integrating current, emerging, and future technologies to significantly improve the Bradley's mobility, force protection, and lethality.

"By leveraging new and emerging technology, with an eye towards commonality within the formation, we can continue to provide superior capabilities for our troops," Bazaz added. "Key to our approach is providing built-in growth capacity that will ensure the system can support future inbound technologies, allowing our soldiers to successfully execute their mission in the coming decades."

The Next Generation Bradley includes suspension upgrades to enhance mobility to maneuver within the Armored Brigade Combat Team (ABCT). It incorporates an upgraded turret from the current Bradley and enhancements achieved during ongoing Engineering Change Proposal modernization efforts, such as suspension improvements, targeting sensors, and network connectivity. BAE Systems will use this vehicle to mature these technologies and provide a platform for

development and user experimentation and evaluation.

The prototype features armor, fuel tanks, and the driver's hatch from the Armored Multi-Purpose Vehicle, and the 600 volt electronics and final drives from the M109A7 Self-Propelled Howitzer integrated with current and future Bradley systems. Leveraging technology from other BAE Systems-built vehicles in the ABCT allows for significant savings in both development time and cost. In addition, the commonality of parts among the vehicles also provides significant cost savings opportunities over the life cycle of the vehicle and reduces the complex logistics trail.

BAE Systems is the original equipment manufacturer of the Bradley Fighting Vehicle and continues to provide full life-cycle support to the Army and allied partners.

Defence Industry

Jenoptik to supply equipment with a value of 22 million euros to Poland for military land vehicles

The Jenoptik Defense & Civil Systems division will deliver 126 electrical turret and weapon stabilization systems for the Leopard 2 tank.

Jenoptik is to supply 126 electric turret and weapon stabilization systems to the Polish company ZM Bumar Labedy S. A. as part of a modernization program for the Leopard 2 tank. The complete order amounts to 22 million euros and will be handled together with Polish subsuppliers. Delivery will be made between 2017 and 2020. Jenoptik is the first large subcontractor after Rheinmetall Defence within the Polish project. The contract was signed at the Polish International Defense Industry Exhibition, MSPO, in Kielce.

The all-electric stabilization systems replace the hydraulic systems used to date. They are mostly maintenance free and generate less heat inside the tank. Basically these systems adjust and stabilize the turret and weapon while the tank is in motion.

"We are pleased that as a premier provider of advanced technologies we are involved to the modernization projects", explains Michael Mertin, President and CEO of the Jenoptik Group. The order also makes a significant contribution to the further growth of this division.

Defence Industry

BAE Systems to Provide Battle Management Systems to Danish CV90 Infantry Fighting Vehicles

The CV90 is a family of tracked combat vehicles designed and built by BAE Systems Hдgglunds, with more than 4.5 million engineering hours contributing to the development and system integration of the advanced and modern IFV.

"CV90 is a well demonstrated solution, combat proven by the Danish Army in Afghanistan," said Peter Nygren, director of business development at BAE Systems Hдgglunds. "As a member of NATO, Denmark needs to have the CV90s in top condition. Crew survivability and interoperability are of primary importance to all armed forces, and we are proud of the confidence the Danish government has shown in us to upgrade these vehicles.

"The CV90's open electronic architecture allows for the integration of any country's chosen system and regular updates of all key electronic systems. BAE Systems can tailor the fit of C4ISR systems for each customer and vehicle variant," Nygren added.

The contract includes comprehensive industrial cooperation between BAE Systems and industrial partners in Denmark. BAE Systems' industrial solution provides a foundation for job creation, technology transfer, and investment, paving the way for economic development and national growth. Since 2009 our industrial activity has delivered close to €300M into the Danish economy as part of the commitment to use Danish companies to support the CV90 fleet.

CV90s have successfully operated worldwide, including in United Nations and NATO missions. The vehicle provides interoperability, high tactical and strategic mobility, air defence, anti-tank capability, and high survivability and lethality in any terrain or tactical environment.

There are nine CV90 variants in service, with more than 1,280 vehicles operated by seven European countries, including four NATO members. The latest variant is in production for Norway.

Defence Industry

LEGUAN – Bridge-layer for the German Bundeswehr

Munich/Koblenz -- The Federal Office of Bundeswehr Equipment (BAAINBw) and Krauss-Maffei Wegmann (KMW) have signed an agreement on the procurement of seven Leguan bridge laying systems on the Leopard 2 chassis in

Koblenz on 27.10.2016.

The project also includes transport systems as well as training simulators and ancillary equipment. The vehicles will be supplied to the Bundeswehr between 2018 and 2021. The total order volume amounts to roughly EUR 88 million.

This will enable the Bundeswehr to cross water obstacles and gaps in terrain, even with heavy machinery in military load class MLC80 (approx. 72 tons). Germany had warranted this capability to NATO regarding its involvement in the Very High Readiness Joint Task Force (VJTF) as of 2019. The system is capable of transporting and laying one 26 metre long bridge or alternatively two bridges with a length of 14 metres each.

The Leguan on Leopard 2 chassis is now being used by five user nations. A total of 17 countries operate the Leguan bridge laying system on different mobility platforms.