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- Rheinmetall to take part in new Scout Specialist Vehicle programme for the British Army
- iRobot receives \$9.8 M order for Small Unmanned Ground Vehicles (SUGV)
- Lockheed Martin Team JLTVs Continue To Roll Off Camden Production Line
- FNSS` BRAND NEW SABER-25 FIRING QUALIFICATION TESTS
- Elbit Systems Awarded \$27 Million Contract to Supply Command and Control and Artillery Systems to an Asia-Pacific Country
- U.S. Army Awards \$6.7 Billion Joint Light Tactical Vehicle Contract To Oshkosh Corporation
- Meggitt Training Systems Awarded \$25 M Support Contract with Canadian Armed Forces



Defence Industry

Rheinmetall to take part in new Scout Specialist Vehicle programme for the British Army



Rheinmetall has won an important order in connection with a key programme of the British Ministry of Defence to procure a new generation of combat vehicles for Her Majesty's Armed Forces. Lockheed Martin UK has contracted with Rheinmetall's Defence arm to manufacture the turret structures for the British Army's new Scout SV Reconnaissance vehicle. The order, issued in London, is worth a total of €130 million and covers production of up to 245 units. Rheinmetall also participated significantly in the preceding technical demonstration phase.

Once again, the Ditzeldorf, Germany-based Group is playing a pivotal role in a highly significant army technology programme in Europe, underscoring its comprehensive competence and ability to act in partnership with two international defence giants – General Dynamics and Lockheed Martin.

The Scout Specialist Vehicle (SV) is a medium-weight armoured reconnaissance vehicle. It will replace the British Army's Combat Vehicle Reconnaissance (Tracked) - CVR(T) - family of vehicles, which have been in service since the 1970s, and is intended for use in all current and future scenarios, ranging from peace enforcement and peacekeeping missions to high-intensity combat operations.

The Scout SV programme, which General Dynamics UK is responsible for design, engineering and manufacturing in its capacity as prime contractor, with the technology leading turret solution of Lockheed Martin UK and Rheinmetall will deliver significant improvements in combat capability, survivability and operational effectiveness for the British Army's infantry.

Rheinmetall has extensive, longstanding experience in developing and manufacturing turret systems, making it the ideal cooperation partner for Lockheed Martin UK in the Scout Specialist Vehicle programme. Rheinmetall's expertise, paired with Lockheed Martin's experience in reconnaissance sensor systems, fire control units and guidance technology, make the team one of the market leader in turret technology.

The Scout SV Base Turret System is a major success story in European defence cooperation. A member of the Scout SV team since 2010, in its capacity as subcontractor Rheinmetall has been in charge first of design and engineering, and now of producing, the turret structure and weapon mount (TSWM) for the Scout SV Base Turret System, a state-of-the-art 40mm

medium-calibre turret solution. The first production unit is scheduled for July 2016.

The contract award for the supply of 245 Scout SV TSWM units will mainly benefit to Rheinmetall Defence Group's Kassel plant, where fabrication as well as final assembly will take place. It is also excellent news for the Rheinmetall's German supply chain.



Defence Industry

iRobot receives \$9.8 M order for Small Unmanned Ground Vehicles (SUGV)



iRobot Corp. a leader in delivering robotic technology-based solutions, has received a \$9.8 million order from the U.S. Marine Corps Systems Command for 75 SUGV robot systems. All deliveries under the order will be completed by Q2 2016.

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The iRobot SUGV is a man-portable robot with dexterous manipulator for dismounted mobile operations. A smaller and lighter version of the combat-proven iRobot PackBot®, SUGV enters areas that are inaccessible or too dangerous for people, providing situational awareness and state-of-the-art technology for infantry troops, combat engineers, EOD technicians and other personnel.

"As threats persist globally, iRobot is proud to continue partnering with our defense forces to provide this life-saving technology," said Tom Frost, senior vice president and general manager of iRobot's Defense & Security business unit. "Rugged, lightweight robots like SUGV enable a safer and more effective way to conduct a variety of dangerous missions."

iRobot has delivered more than 5,000 of its defense and security robots to military and civil defense forces worldwide.



Future Technologies

Lockheed Martin Team JLTVs Continue To Roll Off Camden Production Line

DALLAS -- The Lockheed Martin Joint Light Tactical Vehicle (JLTV) Team continues to produce

company-funded Production Representative Vehicles (PRVs) at its Camden, Arkansas, production facility.



The PRVs are being assembled to reduce technical risk, optimize the advanced production processes at the Camden assembly plant, and to exercise and prepare the supply chain.

“The first two of these PRVs are now in Dallas going through a series of tests to validate technical capability and performance,” said Scott Greene, vice president of Ground Vehicles at Lockheed Martin Missiles and Fire Control. “Our goal is to produce the best-value, most protected, most tactically effective JLTV possible to help assure our soldiers and Marines complete their missions and return safely.”

The Lockheed Martin JLTV Team plans to produce as many as eight PRVs over the next few weeks.

“These PRVs are confirming that our processes work just as we knew they would,” Greene said. “As a Malcolm Baldrige National Quality Award winner for Manufacturing Excellence, we will leave nothing to chance in the production of the JLTV.”

The Lockheed Martin Team’s JLTV is a fully integrated combat tactical system that meets today’s requirements and was designed with the future in mind. It offers MRAP levels of protection with unprecedented cross-country mobility, a substantial increase in performance and payload, as well as greater reliability, outstanding fuel efficiency, and lower operations and sustainment costs.



Defence Industry

FNSS` BRAND NEW SABER-25 FIRING QUALIFICATION TESTS



FNSS’ Brand New SABER 25mm One Man Turret successfully completes firing qualification tests on FNSS PARS 8x8 Infantry Fighting Vehicle.

SABER is a new generation one - man turret that can be deployed on wheeled and tracked armored vehicles and designed by taking the modern combat conditions

and customer demands into consideration. The firepower of the turret consists of a 25mm automatic cannon and 7.62mm machine gun.

The design of the project has been started in November 2013 with the support of TÜBİTAK (The Scientific and Technological Research Council of Turkey) and the qualification and the firing tests have been completed in June 2015 after realization of the prototype production.

The long range firing tests of the SABER Turret mounted on FNSS Pars 8 x 8 vehicle have been conducted on 22 - 26 June in the firing test field of the Ministry of Defense located in Konya Karapınar District. During the tests, static and moving firing is conducted to the targets located at a range of 600 m to 1500 m. The targets are hit with high hit rate and all tests are completed successfully.



Contracts

Elbit Systems Awarded \$27 Million Contract to Supply Command and Control and Artillery Systems to an Asia-Pacific Country



HAIFA, Israel -- Elbit Systems Ltd. announced that it was awarded an approximately \$27 million contract for the supply of command and control systems and ATMOS long-range artillery systems to an Asia-Pacific country. This contract is a follow-on contract for this customer and will be performed over a three-year period.

The contract calls for the supply of a complete solution for an artillery unit, including self-propelled artillery, command stations, forward observation stations and target acquisition systems, as well as command and control systems, in an integrative solution to connect all systems. The solution, mounted on various wheeled - platforms, enhances mission flexibility, reaction speed and survivability of both the crew and the system.

Yehuda (Udi) Vered, General Manager of Elbit Systems Land and C4I Division, commented: "The customer's decision to order additional quantities under this follow-on contract further enhances Elbit Systems' position as a world leading artillery supplier, with a variety of systems that meet the global demand for light, maneuverable and rapid response platforms."



Defence Industry

U.S. Army Awards \$6.7 Billion Joint Light Tactical Vehicle Contract To Oshkosh Corporation

OSHKOSH, Wis. -- The U.S. Army Tank-automotive and Armaments Command (TACOM) Life Cycle Management Command (LCMC) has awarded Oshkosh Defense, LLC, an Oshkosh Corporation (NYSE: OSK) company, a \$6.7 billion firm fixed price production contract to manufacture the Joint Light Tactical Vehicle (JLTV).



The JLTV program fills a critical capability gap for the U.S. Army and Marine Corps by replacing a large portion of the legacy HMMWV fleet with a light tactical vehicle with far superior protection and off-road mobility. During the contract, which includes both Low Rate Initial Production (LRIP) and Full Rate Production (FRP), Oshkosh expects to deliver approximately 17,000 vehicles and sustainment services.

“Following a rigorous, disciplined JLTV competition, the U.S. Army and Marine Corps are giving our nation’s Warfighters the world’s most capable light vehicle – the Oshkosh JLTV,” said Charles L. Szews, Oshkosh Corporation chief executive officer. “Oshkosh is honored to be selected for the JLTV production contract, which builds upon our 90-year history of producing tactical wheeled vehicles for U.S. military operations at home and abroad. We are fully prepared to build a fleet of exceptional JLTVs to serve our troops in future missions.”

The JLTV program provides protected, sustained and networked light tactical mobility for American troops across the full spectrum of military operations and missions anywhere in the world. The JLTV production contract awarded to Oshkosh includes a base contract award and eight option years covering three years of LRIP and five years of FRP. Oshkosh will begin delivering vehicles approximately ten months after contract award.

“Because of the JLTV program, our Soldiers and Marines are getting a level of technical performance that no other vehicle can match,” said U.S. Army Major General (Retired) John M. Urias, executive vice president of Oshkosh Corporation and president of Oshkosh Defense. “Our JLTV has been extensively tested and is proven to provide the ballistic protection of a light tank, the underbody protection of an MRAP-class vehicle, and the off-road mobility of a Baja racer. The Oshkosh JLTV allows troops to travel over rugged terrain at speeds 70% faster than today’s gold standard, which is our Oshkosh M-ATV. Looking to future battlefields, we know that our troops will face a myriad of threats. Soldiers and Marines can be assured that the highly capable Oshkosh JLTV will perform the mission.”

The JLTV Family of Vehicles is comprised of two

variants, a two seat and a four seat variant, as well as a companion trailer (JLTV-T). The two seat variant has one base vehicle platform, the Utility (JLTV-UTL). The four seat variant has two base vehicle platforms, the General Purpose (JLTV-GP) and the Close Combat Weapons Carrier (JLTV-CCWC).

The Oshkosh JLTV combines the latest in automotive technologies with the Oshkosh CORE1080 crew protection and TAK-4i™ independent suspension systems to provide next generation performance. In designing its JLTV, Oshkosh leveraged its extensive experience producing and sustaining more than 150,000 heavy, medium and protected MRAP vehicles for the U.S. and its allies.

The Oshkosh JLTV Journey

- 2005: Oshkosh begins developing its next generation TAK-4i independent suspension system
- 2007: Oshkosh develops the Light Combat Tactical Vehicle (LCTV) technology demonstrator
- 2010: The Oshkosh LCTV is the first military-class vehicle to complete the Baja 1000 desert off-road race
- 2011: Oshkosh evolves its design and introduces the Light Combat Tactical All-Terrain Vehicle (L-ATV), the platform for the Oshkosh JLTV solution
- 2012: U.S. Government awards Oshkosh one of three JLTV Engineering and Manufacturing Development (EMD) contracts in August
- 2013: Oshkosh builds its JLTV EMD prototypes on a warm production line and delivers them to the U.S. Army for EMD testing and evaluation
- 2014: During EMD, Oshkosh successfully completes all requirements, testing and evaluation
- 2015: Oshkosh responds to the U.S. Government’s JLTV Production Request for Proposal in February and Request for Final Proposal Revisions in July
- 2015: Oshkosh is awarded the JLTV Production contract

“Developing our Oshkosh JLTV solution has been an incredible journey,” said Szews. “For the past decade, our entire team has been focused on putting our troops behind the wheel of the world’s most capable light vehicle. It’s our relationship with our troops and our deep appreciation for their service that inspires our best work every day. I offer my sincere thanks to our employees and suppliers for their years of dedication to reach this historic day.”



Training And Simulators

Meggitt Training Systems Awarded \$25 M Support Contract with Canadian Armed Forces

Meggitt Training Systems (Quebec) Inc. has been awarded a \$25 million, three-year contract from Public Works Government Services Canada on behalf of the Department of National Defence, to provide in-service support to the Canadian Armed Forces for Meggitt’s Small Arms Trainer (SAT) and Indirect Fire Trainer (IFT).

The contract includes operator and maintenance

support for related training activities, incorporating onsite support for health, usage and equipment monitoring at major bases across Canada.



The Meggitt SAT simulator system supports individual and group training across the spectrum of military, paramilitary and security operations. Meggitt's IFTs are used to train soldiers in forward observer, fire direction center and mortar crew skills proficiency.

“Meggitt has been a proud supplier of weapon simulation to the Canadian Armed Forces for more than 20 years,” said Andrea Czop, president of Meggitt Training Systems (Quebec), Inc. “We remain a committed partner supporting the operational readiness of Canada's soldiers, sailors and airmen with advanced simulation and training systems.”

