

# Mobility & Protection Systems News

## L&A Business Spotlight — *BAE Systems, AB and Land Systems*

BAE Systems, AB was formed in 2006 by the merger of Land Systems Hägglunds AB and BAE Systems Bofors. BAE Systems, AB designs, manufactures and markets military vehicle systems. It is also one of the world's leading developers in artillery systems. The company's primary products are infantry fighting vehicles (IFV), armored all-terrain vehicles (ATV) and turret systems, and the 57 mm Mk 3 Naval gun used by the U.S. Navy and Coast Guard. The first ever guided munitions for artillery guns were developed in co-operation with BAE Systems, AB. The line of business products are represented in more than 40 countries worldwide.



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### Products and Services

- Bv206S and BvS10 are protected All Terrain Vehicles with outstanding mobility for expeditionary operations all over the globe. More than 12,000 All Terrain Vehicles have been delivered and are in use by military forces in over 40 countries.
- XM982 Excalibur — Precision Guided Extended Range Artillery Projectile is the next-generation family of projectiles for U.S. Army and Marine Corps artillery. Excalibur is an artillery projectile that uses satellite guidance to provide precision accuracy for all current and future 155-mm howitzers. Excalibur produces a wide

range of effects in all terrains, at extended ranges and in all-weather conditions.

- In November 2004, the Raytheon Missile Systems and BAE Systems Excalibur teams successfully fired an Excalibur round to a target 20 kilometers down range, impacting 3.4 meters from the aim point. In December 2004, the program proved reliability by repeating the test and impacting within 6.9 meters. In May 2007, Baghdad Soldiers with the 1st Brigade Combat Team, 1st Cavalry Division, successfully conducted the first operational firing of the XM982



The BvS10 is a further development of the smaller Bv206S, with improved load capacity, based on the experience gained from more than 25 years of articulated vehicle design and production. BvS10 offers a load capacity of 3 to 5 tonnes.

Excalibur, destroying a well-known safe house for insurgents in the northern region of the Iraqi capital.

- The CV90 family — the European IFV — has superior qualities when

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it comes to fightability, survivability and mobility. CV90 is a state of the art combat vehicle system that is fully digitized. CV90 is the choice of the Armed Forces in Sweden, Norway, Switzerland, Finland, the Netherlands and Denmark.

- SEP — BAE Systems, AB is contracted for SEP, a modular armored, tactical vehicle system to be the premier military vehicle system in the medium weight class. BAE Systems, AB has developed a unique vehicle system giving higher flexibility and effectiveness than ever seen before, enabling the Armed Forces to meet the growing requirements for rapid deployment and sustainability in world wide operations.
- TLC, Through Life Capability, is the BAE Systems, AB dedicated approach of supporting its customers during the service phase of a vehicle system. This is made in close collaboration with customers to maximize the performance and reduce costs during the whole life cycle.
- Industrial co-operation — BAE Systems, AB has high ambitions to fulfill its customers' requirements for Industrial Co-operation (IC). With the long and broad experience within the area of IC through the successful performance of IC contracts in many different places of the world, the business line is well set for this task.

## BAE Systems, Land Systems

Land Systems offers an unrivalled track record in the development, delivery and support of land vehicles and platforms. The business unit includes three business streams: Land Systems UK, Land Systems Munitions and Land Systems South Africa. It also has a 50/50 joint venture with Nexter (formerly GIAT), CTA International, which is located in Bourges, France.

Land Systems is committed to supporting the UK Armed Forces through delivering enhanced military capability, Urgent Operational Requirements and upgrade programs. It is transforming the armored fighting vehicle business to be the through-life capability partner for the British Army.

The business unit is also the developer of the M77 155-mm towed howitzer for the U.S. Army and Marine Corps. The M777 was the first system to incorporate the use of titanium castings, which reduces the weight of the howitzer by 7,000 lb. and increases its transportability and mobility dramatically. Other platforms developed by Land Systems include Warrior, Challenger, and engineer vehicles and mine-protected vehicles.

By working closely with the customer to deliver a truly joint approach to procurement and support the business unit is delivering proven, tangible benefits to land forces throughout the world. Land Systems has an open, strategic and collaborative approach to working with its customers. Providing the capability to ensure successful military operations demands a fundamental understanding of the military user's requirements coupled with the flexibility, reliability and responsiveness to ensure best-of-class solutions. Land Systems supports mili-



Highly mobile on land, at sea and in the air, the M777 has increased survivability. It is the world's first 155mm Howitzer weighing less than 10000 lbs .



RG31 is the mine-protected vehicle of choice of peacekeepers. The all-steel, welded armour, monocoque hull protects the crew against AP rifle fire and anti-tank mine detonations. In standard APC configuration, this air-conditioned vehicle carries a crew of 10 (driver plus 9).

tary forces in operational environments including combat and peacekeeping roles.

As a major player in the land domain, Land Systems leverages its unique combination of experience, knowledge, tools and processes to deliver world-beating military vehicles and next generation systems technology.