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**Rheinmetall at CANSEC 2011: Presenting a new vision**

Ottawa. Professionals from around the globe are expected to attend CANSEC 2011 in Ottawa, Canada, the country’s leading defence and security tradeshow, which takes place 1-2 June 2011. Top Canadian security and defence firms will be displaying their products at the event, among them Rheinmetall Defence with its subsidiary Rheinmetall Canada Inc.

The tradeshow is the perfect opportunity for Rheinmetall to highlight its new orientation in the local market, with the emphasis on four major areas of expertise: vehicle integration, weapon systems, air defence and electronic systems.

Rheinmetall will be demonstrating its competence in these fields by showcasing a number of new products, with static models and fully functional systems on show in the Boeing Hall at booth 1202 and outdoor stand 105:

* **Multi-mission radar:**

  Rheinmetall Canada, in partnership with IAI-ELTA, will be presenting the ELM-2084 Multi-Mission Radar (MMR). The ELM 2084 is a mobile, S-Band, MMR family implementing an advanced 3D Active Electronically Steered Array (AESA) and supporting modular and scalable architecture. The MMR supports artillery weapon location and air defence operational missions, and provides optimal solutions for short, medium and long range missions.

* **IC4U (“Interconnected Command Control Communications Computer Unit”) for Canada’s modular Integrated Soldier System:**

  This is a fully digital, modular system for voice, data and video transmission in real time. The system’s open architecture is based on commercial standards. Communication is via Ethernet and TCP/IP protocol. It can be easily integrated into the soldier's helmet, vest and equipment, and can be combined with physiological sensors. Low weight and intelligent energy management enable prolonged operation.

* **SC2PS integrated with “Vingtacs II” (Sensor Command and Control Planning Suite):**

  The SC2PS Sensor Command and Control Planning Suite is a real time-capable, multi-sensor exploitation tool. It integrates sensor systems such as the Counter-IED Persistent Surveillance Aerostat-(C-IED PSA) and other ground sensors as well as tactical aircraft and unmanned aerial vehicles into the Canadian Intelligence, Surveillance, Target Acquisition, and Reconnaissance system (ISTAR). SC2PS gives commanders a powerful tool for assessing the evolving tactical situation in the battlefield.
**Vingtaqs II**

Vingtaqs II is a long range target acquisition and surveillance system. The system is used for accurately determining target coordinates at long-range distances from the vehicle forward observer position. Vingtaqs II has fully integrated EO and IR sensors, laser range finder, target illuminator and designator and a ground surveillance radar. It is a stand-alone system that can be integrated in a wide range of vehicles.

**Demonstrator Gunnery and Combat Simulation, a training system for large-calibre equipment.**

Visitors to CANSEC 2011 can inspect the Gunnery and Combat Simulation Demonstrator for the Leopard 2 main battle tank, which the Canadian armed forces deploy both at home and abroad. The demonstrator system employs Virtual Battlefield 2 simulation software to ensure a highly realistic combat and gunnery training experience, underscoring the company’s ability to develop high-quality simulation technology on a game engine basis.

**Lance turret simulator:**

The Lance 30mm turret system’s modularity, growth potential and networkability make it a standout. Two electro-optical devices (SEOSS Sector and SEOSS Panoramic) provide the commander and gunner with a 360° panoramic view. Moreover, the manned and unmanned versions of the Lance turret can be mounted on numerous different platforms. The accompanying simulator offers an extremely realistic way of training the crew to shoot and fight at a significantly lower cost than using the original equipment.

A number of other systems will also be on display outdoors at Stand 105, including:

**The SX 45 8x8 heavy tactical recovery vehicle, made by Rheinmetall MAN Military Vehicles:**

During operations in Afghanistan, the SX 45 has done an excellent job of recovering damaged combat vehicles. Highly reliable, it combines superb off-road performance with a high level of protection, including electronic countermeasures for neutralizing remotely detonated improvised explosive devices (R-IED).

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