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## **Rheinmetall: Electro-optical systems and products for optimum effectiveness and comprehensive protection**

High-performance sensors and fire control systems make it possible quickly to detect, identify and discriminate between potential threats, engaging them where necessary. At the Land Warfare Conference (LWC) 2012 Rheinmetall's business unit Electro-optics is presenting a selection of its diverse array of products in this field.

Visitors can take a look at the Group's trusted laser pointers, laser target marker and laser light modules, including the Vario-Ray (LLM-VR), and the LLM01, which is in service with numerous armed forces and law enforcement agencies worldwide. The Group's ZEFF identification friend-foe system, known as the Dismounted Soldier Identification Device/DSID, rounds out the company's array of products on display, together with its Multi-Ray fire control unit.

The new Multi-Ray is substantially more compact and lighter than its FeLVis forerunner, and is suitable for low and medium velocity 40mm ammunition. It features a laser rangefinder, is able to detect if the weapon is at an incline, and also calculates the necessary lead. In addition, it is equipped with a laser pointer, an IR laser pointer invisible to the human eye, an electronically focusable IR illuminator and an optional identification friend/foe device. The Multi-Ray thus performs nearly all the functions of the Vario-Ray laser light module. A further innovation: the Multi-Ray's integrated energy source, which is built into NATO-standard "power rails" in accordance with MIL-STD 1913.

Apart from the Saphir 9.6 aiming device and a fire control unit, the Vingmate aiming and fire control system features a combined tripod and gun cradle. It is thus suitable for various 40mm automatic grenade launchers such as the MK19 and GMG but also for heavy .50 cal. machine guns like the BMG, or even 20mm automatic cannon such as the GAM B01. Both, Multi-Ray and Vingmate are designed to permit programming of airburst rounds via an infrared laser beam as they leave the barrel. Along with the Vingmate fire control system, at LWC 2012 Rheinmetall will be displaying the VingSim, its accompanying training device.

The Rheinmetall products on display at LWC 2012 underscore once again the versatility of a globally leading systems supplier and longstanding partner of the world's armed forces and security services.

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